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**Contributors**

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INSTITUTE OF SOCIAL  
MEDICINE

10, PARKE ROAD,  
OXFORD



**Merioneth**  
**County Council**

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**Public Health**  
**REPORT**

for the Year

**1947**

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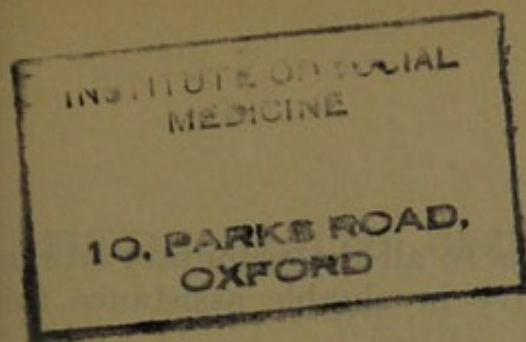
Medical Department,  
County Offices,  
Dolgelley.  
April, 1949.

**W. F. GAPPER,**  
B.Sc., M.B., Ch.B., D.P.H.,  
County Medical Officer.

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"Seren" Office, Bala. Tel. 29.





MEDICAL DEPARTMENT,  
COUNTY OFFICES,  
DOLGELLEY.

*March, 1949*

*To the Chairman, Aldermen and Councillors  
of the Merioneth County Council*

Mr. Chairman, Mrs. Jones-Roberts and Gentlemen,—

I beg to submit to you the Annual Report for the year 1947. From the study of the vital statistics over the past years it is seen that the Birth Rate is the highest recorded since 1924. There was a reduction in the General Death Rate, the Infant Mortality Rate, and the Maternal Mortality Rate, compared with the previous year.

The population as estimated by the Registrar General showed a further decrease and has declined since 1941 by over 6,000. Apart from the estimated population of 37,375 in 1918, the estimated population for 1947 is the lowest ever recorded. Taking the population in 1941 as the highest peak in the population during the present decade, and comparing the percentage decrease in population in the various districts, the highest fall in population has been in the Barmouth and Towyn districts where the decrease has been over 25 per cent. The smallest decrease has been, in the Festiniog district. The reverse is the position, however, if the population is compared with that for 1938, the year preceding the war. Barmouth and Towyn areas show an actual increase in population while the Festiniog area shows a decrease of over 14 per cent.

Preparations for the reorganisation of the various services under the National Health Service Act involved extra heavy work on the staff, and I wish to record my thanks to them, and those of other departments of the Council, for their loyal help and co-operation.

I am grateful to the District Nurses, for their willing co-operation. They became directly employed by the County Council under the New Health Service Scheme on July 5th, 1948. The inhabitants of the County owe a debt of gratitude to the County and District Nursing Associations, and all the voluntary workers associated with the association for the excellent work they have carried out for many years in establishing and promoting nursing in the home, midwifery, etc., throughout the County.

I also wish to express my thanks to all the voluntary workers at our Welfare Clinics, as they give invaluable assistance from year to year.

I thank the members of the Council for their willing help, advice, and co-operation throughout the year, and especially to the Chairmen of the Committees responsible for the main work connected with Maternity and Child Welfare, and Public Health.

I am, Your obedient servant,

W. F. GAPPER.

# PUBLIC HEALTH OFFICERS OF THE AUTHORITY

## WHOLE TIME OFFICERS

### *County Medical Officer of Health :*

E. Lewys-Lloyd, M.R.C.S., L.R.C.P., D.P.H. (31st March, 1947)

W. F. GAPPER, B.Sc., M.B., Ch.B., D.P.H. (1st April, 1947).

### *Assistant Medical Officer of Health :*

A. B. Monks, B.A., M.B., B.Ch., B.A.O., D.P.H.

### *Superintendent of Midwives :*

Mrs. Eleanor Owen, S.R.N., S.C.M., H.V.

*School Dentist :* E. Clwydwyn Jones, L.D.S.

*Dental Attendant :* Miss M. Edwards.

*School Nurse :* Miss G. Humphreys.

*Tuberculosis Health Visitor :* Miss Z. M. Evans.

*Clerks :* Miss M. J. Jones.

Miss Ann Griffith.

Miss E. Roberts.

Miss F. Freeman.

Miss R. P. Jones (May, 1947).

Miss Gwenfron Jones.

## PART-TIME OFFICERS :

*The following were the Medical Officers of the Infant*

*Welfare Centers :*

|                    |                           |
|--------------------|---------------------------|
| Aberdovey :        | Dr. W. R. Wright.         |
| Bala :             | Dr. Robert Jones.         |
| Barmouth :         | Dr. J. R. Heath.          |
| Corwen :           | Dr. D. R. Edwards.        |
| Corris :           | Dr. D. McKenzie Crooks.   |
| Dolgelley :        | Dr. H. D. Owen.           |
| Dyffryn :          | <b>Dr. J. Pugh Jones.</b> |
| Festiniog :        | Dr. O. Glyn Jones.        |
| Harlech :          | Dr. R. M. Williams.       |
| Penrhyndeudraeth : | Dr. R. J. Hogg.           |
| Towyn :            | Dr. J. A. Davies.         |
| Trawsfynydd :      | Dr. G. Williams.          |

## PUBLIC VACCINATORS

| <i>District :</i> | <i>Public Vaccinator</i> | <i>Vaccination Officers :</i> |
|-------------------|--------------------------|-------------------------------|
| Bala              | Robert Jones.            | R. G. Jones, Bala.            |
| Corwen.           | H. J. Satchwell.         | R. G. Jones, Bala.            |
| Ffestiniog        | J. W. Morris.            | R. W. Davies, Bl. Festiniog.  |
| Penrhyn           | O. M. Prichard.          | R. D. Roberts, Penrhyn.       |
| Trawsfynydd       | Gwennie Williams.        | R. W. Davies, Bl. Festiniog   |
| Harlech           | R. Morris Williams.      | R. D. Roberts, Penrhyn.       |
| Dolgelley         | H. D. Owen.              | Idwal H. Jones, Dolgelley.    |
| Mallwyd           | H. D. Owen.              | Idwal H. Jones, Dolgelley.    |
| Llanegryn         | J. A. Davies.            | Idwal H. Jones, Dolgelley.    |
| Talyllyn          | D. McKenzie Crooks.      | Idwal H. Jones, Dolgelley.    |
| Llanaber          | D. O. Williams.          | Idwal H. Jones, Dolgelley.    |
| Towyn             | J. H. Marshall Lloyd.    | R. Alfred Jones, Towyn.       |
| Pennal            | D. E. Davies.            | Idwal H. Jones, Dolgelley.    |

\*For Parishes see Table of District Medical Officers.

## DISTRICT MEDICAL OFFICERS OF HEALTH

## URBAN AREAS

|           |                  |
|-----------|------------------|
| Bala      | —Robert Jones.   |
| Barmouth  | —D. O. Williams. |
| Dolgelley | —R. W. Edwards.  |
| Festiniog | —J. W. Morris.   |
| Towyn     | —J. A. Davies.   |

## RURAL AREAS

|           |                    |
|-----------|--------------------|
| Deudraeth | —J. Wynne Roberts. |
| Dolgelley | —R. W. Edwards.    |
| Edeyrnion | —D. R. Edwards.    |
| Penllyn   | —Robert Jones.     |
| *Pennal   | —J. C. Ashton.     |

\*Is administered by the Machynlleth Rural District Council in the County of Montgomery.

## DISTRICT MEDICAL OFFICERS

## SOCIAL WELFARE

| <i>District :</i> | <i>Parishes in District :</i> | <i>Medical Officers:</i> |
|-------------------|-------------------------------|--------------------------|
| Bala              | Bala U.D.                     | Robert Jones             |
|                   | Penllyn R.D.                  |                          |
| Corwen            | Edeyrnion R.D.                | H. J. Satchwell          |
| Festinoig         | Festiniog U.D.                | J. W. Morris.            |
|                   | Maentwrog (part of)           |                          |
| Penrhyn           | Penrhyndeudraeth              | O. M. Prichard.          |
|                   | Llanfrothen                   |                          |
|                   | Llandeewyn                    |                          |
|                   | Maentwrog                     |                          |
| Trawsfynydd       | Trawsfynydd                   | Gwennie Williams         |
| Harlech           | Llandanwg                     | R. M. Williams           |
|                   | Llanbedr                      |                          |
|                   | Llanfair                      |                          |
|                   | Talsarnau                     |                          |
| Dolgelley         | Dolgelley U.D.                | H. D. Owen.              |
|                   | Brithdir and Llanfachreth     |                          |
|                   | Llanddwyweuwch                |                          |
|                   | Llanelltyd                    |                          |
| Mallwyd           | Mallwyd                       | H. D. Owen               |
|                   | Llanymawddwy                  |                          |
| Llanegryn         | Llanegryn                     | J. H. M. Lloyd           |
|                   | Llangelynin                   |                          |
|                   | Llanfihangel and part of      |                          |
|                   | Talyllyn.                     |                          |
| Talyllyn*         | Talyllyn                      | D. Mc. Kenzie Crooks     |
| Llanaber          | Barmouth U.D.                 | D. O. Williams           |
|                   | Llanaber                      |                          |
|                   | Llanddwyweis'                 |                          |
|                   | Llanenddwyn                   |                          |
| Towyn             | Towyn U.D.                    | J. H. M. Lloyd.          |
| Pennal            | Pennal C.P.                   | D. E. Davies.            |

\*A portion of the Talyllyn Parish is in the Llanegryn District.

## PUBLIC ASSISTANCE INSTITUTIONS

| <i>Name of Institution</i>         | <i>Medical Officer</i> | <i>Master or Matron</i> |
|------------------------------------|------------------------|-------------------------|
| Llys Ednyfed, Penrhyndeudraeth     | O. M. Prichard.        | Hugh Lewis.             |
| Llwyn View, Dolgelley.             | H. D. Owen.            | W. M. Roberts.          |
| Fronhyfryd Children's Home, Corwen | D. R. Edwards.         | Mrs. Lewis.             |

## ORTHOPAEDIC CLINICS

The Specialist Surgeons on the staff of the Robert Jones and Agnes Hunt Orthopaedic Hospital, Gobowen.

## TUBERCULOSIS

The Physician appointed by the Welsh National Memorial Association—Dr. M. I. Jackson.

## OPHTHALMIC

Ear, Nose and Throat Surgeon (Education Committee).

Mr. Horace Mather, 50 Rodney St., Liverpool.

Anaesthetists at School Clinics : The District Medical Officers of Health.

## Ante-Natal and Post-Natal Clinics

Mr. J. Gardiner Wigley, F.R.C.S (Eng). Chester.

## EXTRACTS FROM VITAL STATISTICS 1947

Registrar General's estimate population for mid-year 1946 : 38,790.

|              |                | <i>Total</i> | <i>M</i> | <i>F</i> |                                                   |             |
|--------------|----------------|--------------|----------|----------|---------------------------------------------------|-------------|
| Live Births  | { Legitimate   | 622          | 322      | 300      | } Birth rate per 1,000<br>estimated<br>population | ..... 17.63 |
| Births       | { Illegitimate | 53           | 23       | 30       |                                                   |             |
|              |                |              |          |          |                                                   |             |
| Still Births | .....          | 23           | 8        | 15       | } Rate per 1,000 total<br>live & still births..   | 32.95       |
|              |                |              |          |          |                                                   |             |
| Deaths       | .....          | 567          | 293      | 274      | } Death rate per 1,000<br>estimated<br>population | .... 14.81  |
|              |                |              |          |          |                                                   |             |

Deaths from puerperal causes  
headings 29 and 30 of the  
Registrar General's Short  
List :—

|                                     | <i>Deaths</i> | <i>Rate per<br/>1,000 total Live<br/>&amp; Still births</i> |
|-------------------------------------|---------------|-------------------------------------------------------------|
| No. 29 puerperal sepsis .....       |               |                                                             |
| No. 30 other puerperal causes ..... | 2             | 2.87                                                        |
|                                     | —             | —                                                           |
| Total .....                         | 2             | 2.87                                                        |

*Death rate of Infants under one year of age :—*

|                                                               |       |
|---------------------------------------------------------------|-------|
| Total number of Infant Deaths .....                           | 32    |
| All Infants per 1,000 live births .....                       | 47.40 |
| Legitimate infants per 1,000 Legitimate live births .....     | 45.01 |
| Illegitimate infants per 1,000 Illegitimate live births ..... | 75.47 |

|                                               | <i>Totals</i> | <i>Males</i> | <i>Females</i> |
|-----------------------------------------------|---------------|--------------|----------------|
| Deaths from Cancer all ages .....             | 77            | 42           | 35             |
| „ „ Measles all ages .....                    | 0             | 0            | 0              |
| „ „ Whooping Cough all<br>ages .....          | 0             | 0            | 0              |
| „ „ Diarrhoea under two<br>years of age ..... | 3             | 2            | 1              |

TABLE I.

Giving the population in 1947 (estimated) and the population as enumerated at the Census 1931, rateable value, and the produce of a penny rate in the County and the several County Districts.

|                              | <i>Popu-<br/>lation<br/>(estimated<br/>by<br/>Reg. Gen.<br/>1946</i> | <i>Popu-<br/>lation<br/>Census<br/>1931</i> | <i>Rateable<br/>value</i> | <i>Produce<br/>of a<br/>penny<br/>rate</i> |
|------------------------------|----------------------------------------------------------------------|---------------------------------------------|---------------------------|--------------------------------------------|
|                              |                                                                      |                                             | 31 / 3 / 48               | 1947 / 48                                  |
| <i>Col. 1</i>                | 2                                                                    | 3                                           | 4                         | 5                                          |
|                              |                                                                      |                                             |                           | £ s. d.                                    |
| <b>County of Merioneth</b>   | 38,280                                                               | 43,201                                      | 193,335                   | 748 2 6                                    |
| <b>Total Urban Dist. . .</b> | 16,760                                                               | 19,298                                      | 78,284                    | 294 10 7                                   |
| <b>Total Rural Dist. . .</b> | 21,520                                                               | 23,903                                      | 115,051                   | 453 12 11                                  |
| <b>Urban Districts :</b>     |                                                                      |                                             |                           |                                            |
| Bala . . . . .               | 1,397                                                                | 1,460                                       | 7,321                     | 27 1 10                                    |
| Barmouth . . . . .           | 2,311                                                                | 2,645                                       | 16,374                    | 58 12 2                                    |
| Dolgelley . . . . .          | 2,338                                                                | 2,313                                       | 10,288                    | 40 0 0                                     |
| Ffestiniog . . . . .         | 7,268                                                                | 9,078                                       | 25,384                    | 93 15 3                                    |
| Towyn . . . . .              | 3,452                                                                | 3,902                                       | 18,917                    | 75 1 4                                     |
| <b>Rural Districts :</b>     |                                                                      |                                             |                           |                                            |
| Deudraeth . . . . .          | 6,639                                                                | 7,429                                       | 57,417                    | 229 0 0                                    |
| Dolgelley . . . . .          | 7,405                                                                | 7,768                                       | 28,709                    | 105 9 1                                    |
| Edeyrnion . . . . .          | 4,038                                                                | 4,724                                       | 18,864                    | 75 7 1                                     |
| Penllyn . . . . .            | 3,086                                                                | 3,601                                       | 9,221                     | 39 11 5                                    |
| Pennal C.P. . . . .          | 352                                                                  | 381                                         | 840                       | 4 5 4                                      |

TABLE II.

Population of the County, the total Urban and Rural Districts and of the several County Districts for the years 1943-1947 inclusive.

## POPULATION

|                                 | 1943   | 1944   | 1945   | 1946   | 1947   |
|---------------------------------|--------|--------|--------|--------|--------|
| <b>County of Merioneth</b> ..   | 41,290 | 40,040 | 38,860 | 38,790 | 38,280 |
| <b>Total Urban Districts</b> .. | 18,060 | 17,420 | 17,000 | 17,070 | 16,760 |
| <b>Total Rural Districts</b>    | 23,230 | 22,620 | 21,860 | 21,720 | 21,520 |
| <b>Urban Districts :</b>        |        |        |        |        |        |
| Bala .. .. .                    | 1,415  | 1,422  | 1,435  | 1,408  | 1,397  |
| Barmouth .. .. .                | 2,860  | 2,568  | 2,390  | 2,318  | 2,311  |
| Dolgelley .. .. .               | 2,555  | 2,440  | 2,356  | 2,382  | 2,338  |
| Ffestiniog .. .. .              | 6,992  | 7,170  | 7,155  | 7,353  | 7,262  |
| Towyn .. .. .                   | 4,238  | 3,820  | 3,664  | 3,609  | 3,452  |
| <b>Rural Districts :</b>        |        |        |        |        |        |
| Deudraeth .. .. .               | 7,185  | 7,005  | 6,747  | 6,706  | 6,639  |
| Dolgelley .. .. .               | 8,097  | 7,889  | 7,577  | 7,471  | 7,405  |
| Edeyrnion .. .. .               | 4,298  | 4,071  | 4,030  | 4,090  | 4,038  |
| Penllyn .. .. .                 | 3,270  | 3,275  | 3,165  | 3,107  | 3,086  |
| Pennal .. .. .                  | 380    | 380    | 341    | 346    | 352    |

TABLE III.

## BIRTHS

Showing the number of births and the birth rates in the County and in the County Districts with the number of illegitimate births with the percentage of total births for the year 1947.

|                               | <i>No. of births, 1947</i> |                |              | <i>Birth rate per 1000 of estimated pop'n.</i> | <i>Illegitimate Births</i> |                                 |
|-------------------------------|----------------------------|----------------|--------------|------------------------------------------------|----------------------------|---------------------------------|
|                               | <i>Males</i>               | <i>Females</i> | <i>Total</i> |                                                | <i>No.</i>                 | <i>per cent of Total Births</i> |
| <i>Col. 1</i>                 | <i>2</i>                   | <i>3</i>       | <i>4</i>     | <i>5</i>                                       | <i>6</i>                   | <i>7</i>                        |
| England and Wales . . . . .   | ..                         | ..             | ..           | 20.5                                           | ..                         | ..                              |
| County of Merioneth . . . . . | 345                        | 330            | 675          | 17.63                                          | 53                         | 7.86                            |
| Total Urban Dist.             | 148                        | 131            | 279          | 16.65                                          | 20                         | 7.16                            |
| Total Rural Dist.             | 197                        | 199            | 396          | 18.38                                          | 33                         | 8.33                            |
| Urban Districts :             |                            |                |              |                                                |                            |                                 |
| Bala . . . . .                | 11                         | 17             | 28           | 20.04                                          | 1                          | 3.57                            |
| Barmouth ..                   | 18                         | 15             | 33           | 14.28                                          |                            |                                 |
| Dolgelley ..                  | 24                         | 17             | 41           | 17.53                                          | 7                          | 17.07                           |
| Festiniog . . . .             | 72                         | 53             | 125          | 17.21                                          | 6                          | 4.80                            |
| Towyn . . . . .               | 23                         | 29             | 52           | 15.06                                          | 6                          | 11.54                           |
| Rural Districts :             |                            |                |              |                                                |                            |                                 |
| Deudraeth ..                  | 64                         | 59             | 123          | 18.53                                          | 15                         | 12.19                           |
| Dolgelley . . . .             | 57                         | 77             | 134          | 18.09                                          | 7                          | 5.22                            |
| Edeyrnion ..                  | 50                         | 38             | 88           | 21.79                                          | 8                          | 9.09                            |
| Penllyn .. ..                 | 25                         | 23             | 48           | 15.55                                          | 3                          | 6.25                            |
| Pennal C.P.                   | 1                          | 2              | 3            | 8.52                                           | ..                         | ..                              |

TABLE IV.

Giving the birth rate per 1,000 of population for the decennial period, 1938-1947 in England and Wales, the County and County Districts.

| Col. 1.              | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945  | 1946  | 1947  |
|----------------------|------|------|------|------|------|------|------|-------|-------|-------|
|                      | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9     | 10    | 11    |
| England and Wales    | 15.1 | 15.0 | 14.6 | 14.2 | 15.8 | 16.5 | 17.6 | 16.1  | 19.1  | 20.5  |
| County of Merioneth  | 12.9 | 13.7 | 12.7 | 13.2 | 14.1 | 14.7 | 16.4 | 15.23 | 16.42 | 17.63 |
| Total Urban District | 12.4 | 14.0 | 12.1 | 13.2 | 14.3 | 14.0 | 16.4 | 13.71 | 17.22 | 16.65 |
| Total Rural District | 13.4 | 13.3 | 13.3 | 13.2 | 14.1 | 15.2 | 16.4 | 16.42 | 15.78 | 18.38 |
| Urban Districts :    |      |      |      |      |      |      |      |       |       |       |
| Bala ..              | 8.8  | 12.1 | 12.9 | 10.9 | 19.8 | 12.0 | 14.8 | 11.84 | 20.59 | 20.04 |
| Barmouth ..          | 13.6 | 16.2 | 12.6 | 10.8 | 14.6 | 18.5 | 18.7 | 16.73 | 21.13 | 14.28 |
| Dolgelley ..         | 14.2 | 14.5 | 18.9 | 14.1 | 10.2 | 10.2 | 11.5 | 16.97 | 11.75 | 17.53 |
| Festiniog ..         | 13.4 | 15.6 | 11.6 | 17.3 | 15.5 | 14.0 | 15.8 | 12.01 | 16.99 | 17.21 |
| Towyn..              | 9.7  | 9.1  | 8.2  | 8.4  | 12.6 | 13.9 | 19.6 | 13.64 | 17.45 | 15.06 |
| Rural Districts :    |      |      |      |      |      |      |      |       |       |       |
| Deudraeth ..         | 13.9 | 12.9 | 14.8 | 12.5 | 16.6 | 19.1 | 16.7 | 17.49 | 18.34 | 18.53 |
| Dolgelley ..         | 14.5 | 13.8 | 10.9 | 13.2 | 13.1 | 12.5 | 16.4 | 15.57 | 14.85 | 18.09 |
| Edeyrnion ..         | 11.6 | 12.2 | 15.4 | 16.8 | 12.4 | 18.1 | 17.9 | 20.84 | 17.10 | 21.79 |
| Penllyn ..           | 12.3 | 13.3 | 13.4 | 11.3 | 14.0 | 10.7 | 15.3 | 11.06 | 11.26 | 15.55 |
| Pennal C.P. ..       | 8.6  | 28.9 | 18.9 | 5.1  | 5.1  | 5.3  | 5.3  | 11.73 | 11.56 | 8.52  |

TABLE V.

Showing the total number of deaths and for each sex in the County and County Districts with the rates per 1,000 of population for 1947 and for the previous nine years.

|                          | Number of deaths<br>1947 |              |       | Death<br>Rate<br>per<br>1,000<br>popula-<br>tion<br>1947 | Death rates per 1,000 of population |      |      |      |      |      |      |       |       |  |
|--------------------------|--------------------------|--------------|-------|----------------------------------------------------------|-------------------------------------|------|------|------|------|------|------|-------|-------|--|
|                          | Males                    | Fe-<br>males | Total |                                                          | 1938                                | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945  | 1946  |  |
| Col. 1                   | 2                        | 3            | 4     | 5                                                        | 6                                   | 7    | 8    | 9    | 10   | 11   | 12   | 13    | 14    |  |
| England and Wales ..     | ..                       | ..           | ..    | 12.0                                                     | 11.6                                | 12.1 | 14.3 | 12.9 | 11.6 | 12.1 | 11.6 | 11.4  | 11.5  |  |
| County of Merioneth ..   | 293                      | 274          | 567   | 14.81                                                    | 15.9                                | 15.6 | 16.4 | 16.6 | 14.8 | 15.3 | 15.3 | 14.46 | 16.68 |  |
| Total Urban Districts .. | 129                      | 115          | 244   | 14.56                                                    | 16.4                                | 15.9 | 17.8 | 17.6 | 15.2 | 16.5 | 16.5 | 14.94 | 18.63 |  |
| Total Rural Districts .. | 164                      | 159          | 323   | 15.01                                                    | 15.6                                | 15.4 | 15.3 | 15.8 | 14.6 | 13.9 | 14.3 | 14.09 | 15.15 |  |
| Urban Districts :        |                          |              |       |                                                          |                                     |      |      |      |      |      |      |       |       |  |
| Bala .. ..               | 10                       | 5            | 15    | 10.74                                                    | 19.5                                | 11.1 | 15.4 | 18.3 | 25.0 | 16.9 | 18.3 | 16.72 | 20.60 |  |
| Barmouth .. ..           | 16                       | 19           | 35    | 15.14                                                    | 19.6                                | 16.5 | 18.7 | 15.4 | 15.2 | 11.9 | 18.4 | 12.55 | 17.26 |  |
| Dolgelly .. ..           | 20                       | 14           | 34    | 14.54                                                    | 11.0                                | 13.1 | 15.8 | 18.9 | 12.0 | 16.0 | 15.6 | 10.61 | 20.57 |  |
| Festiniog .. ..          | 60                       | 49           | 109   | 15.01                                                    | 16.1                                | 17.4 | 17.9 | 19.1 | 16.4 | 20.3 | 15.9 | 16.35 | 18.49 |  |
| Towyn .. ..              | 23                       | 28           | 51    | 14.77                                                    | 17.6                                | 14.6 | 16.7 | 15.9 | 11.6 | 11.4 | 16.2 | 15.82 | 17.73 |  |
| Rural Districts :        |                          |              |       |                                                          |                                     |      |      |      |      |      |      |       |       |  |
| Deudraeth .. ..          | 61                       | 50           | 111   | 16.70                                                    | 14.7                                | 15.5 | 12.8 | 14.4 | 13.0 | 11.3 | 13.6 | 13.04 | 14.17 |  |
| Dolgelly .. ..           | 47                       | 60           | 107   | 14.44                                                    | 17.4                                | 16.6 | 16.4 | 15.9 | 15.8 | 13.6 | 14.2 | 13.86 | 15.26 |  |
| Edeyrnion .. ..          | 34                       | 30           | 64    | 15.85                                                    | 14.1                                | 14.6 | 15.9 | 19.9 | 14.8 | 19.5 | 19.9 | 16.13 | 14.91 |  |
| Penllyn .. ..            | 20                       | 16           | 36    | 11.67                                                    | 14.8                                | 14.0 | 16.7 | 13.9 | 15.5 | 12.2 | 9.8  | 12.64 | 16.74 |  |
| Pennal C.P.              | 2                        | 3            | 5     | 14.20                                                    | 20.1                                | 11.2 | 27.3 | 12.6 | 10.2 | 21.1 | 10.5 | 29.33 | 20.23 |  |

TABLE VI.

Giving the principal causes of deaths with the numbers in the County, Urban and Rural Districts with percentage of the total deaths in 1947.

|                                        | <i>Number of Deaths<br/>1947</i> |              |                      | <i>Deaths<br/>in<br/>Urban<br/>Districts</i> | <i>Deaths<br/>in<br/>Rural<br/>Districts</i> | <i>Percentage<br/>of total<br/>deaths<br/>in 1947</i> |
|----------------------------------------|----------------------------------|--------------|----------------------|----------------------------------------------|----------------------------------------------|-------------------------------------------------------|
|                                        | <i>Total</i>                     | <i>Males</i> | <i>Fe-<br/>males</i> |                                              |                                              |                                                       |
| <i>Col. 1</i>                          | <i>2</i>                         | <i>3</i>     | <i>4</i>             | <i>5</i>                                     | <i>6</i>                                     | <i>7</i>                                              |
| Heart diseases                         | 151                              | 76           | 75                   | 59                                           | 92                                           | 26.63                                                 |
| Other diseases of the Circul'ry system | 18                               | 9            | 9                    | 8                                            | 10                                           | 3.18                                                  |
| Cancer                                 | 77                               | 42           | 35                   | 33                                           | 44                                           | 13.57                                                 |
| Intra Cranial vasc. diseases           | 69                               | 23           | 46                   | 27                                           | 42                                           | 12.17                                                 |
| Nephritis ..                           | 23                               | 11           | 12                   | 11                                           | 12                                           | 4.06                                                  |
| Pulmonary T'culosis                    | 39                               | 29           | 10                   | 22                                           | 17                                           | 6.88                                                  |
| Bronchitis                             | 27                               | 12           | 15                   | 13                                           | 14                                           | 4.76                                                  |
| Pneumonia                              | 13                               | 9            | 4                    | 6                                            | 7                                            | 2.29                                                  |
| Influenza                              | 9                                | 5            | 4                    | 7                                            | 2                                            | 1.58                                                  |

The main cause of death, responsible for more than 25 per cent. of the deaths was diseases of the heart, while intra-cranial vascular diseases together with other diseases of the circulatory system accounted for one sixth of the total deaths. These three causes together with cancer accounted for more than half the deaths throughout the year. There was an increase in the number of deaths from tuberculosis, the death rate per 1,000 of population being the highest recorded during the past ten years.

Giving the number of cases, male and female whose deaths have been registered from this cause, together with rate per 1,000 of estimated population in 1947, mean death rate for 1936 to 1938 and for the years 1942 to 1946.

## CANCER

|                       | 1947<br>Numbers of Death |         |       | Death<br>Rate<br>per<br>1,000<br>of<br>popula-<br>tion | Mean<br>Death<br>Rate<br>1936<br>to<br>1938 | Death rates per 1,000 of<br>estimated population in the<br>years |      |      |      |      |
|-----------------------|--------------------------|---------|-------|--------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------|------|------|------|------|
|                       | Males                    | Females | Total |                                                        |                                             | 1942                                                             | 1943 | 1944 | 1945 | 1946 |
|                       |                          |         |       |                                                        |                                             | 7                                                                | 8    | 9    | 10   | 11   |
| Col. 1                | 2                        | 3       | 4     | 5                                                      | 6                                           |                                                                  |      |      |      |      |
| England and Wales     | ..                       | ..      | ..    | 1.85                                                   | 1.59                                        | 1.83                                                             | 1.90 | 1.90 | 1.93 | 1.85 |
| County of Merioneth   | ..                       | ..      | 77    | 2.01                                                   | 2.03                                        | 2.47                                                             | 2.13 | 2.07 | 2.39 | 2.55 |
| Total Urban Districts | 17                       | 16      | 33    | 1.97                                                   | 1.99                                        | 2.43                                                             | 2.27 | 2.35 | 2.76 | 3.04 |
| Total Rural Districts | 25                       | 19      | 44    | 2.04                                                   | 2.06                                        | 2.51                                                             | 2.02 | 1.86 | 2.10 | 2.16 |
| Urban Districts :     |                          |         |       |                                                        |                                             |                                                                  |      |      |      |      |
| Bala ..               | 1                        | 1       | 2     | 1.43                                                   | 1.78                                        | 5.27                                                             | 3.53 | 3.52 | 1.39 | 4.26 |
| Barmouth ..           | 1                        | 6       | 7     | 3.03                                                   | 1.67                                        | 1.99                                                             | 2.09 | 1.95 | 2.09 | 1.72 |
| Dolgelly ..           | 4                        | 1       | 5     | 2.14                                                   | 1.09                                        | 1.13                                                             | 2.34 | 2.46 | 0.84 | 5.03 |
| Festiniog ..          | 5                        | 6       | 11    | 1.51                                                   | 2.14                                        | 2.06                                                             | 2.28 | 2.37 | 3.35 | 2.71 |
| Towyn ..              | 6                        | 2       | 8     | 2.32                                                   | 2.57                                        | 3.15                                                             | 1.88 | 2.09 | 3.82 | 2.77 |
| Rural Districts :     |                          |         |       |                                                        |                                             |                                                                  |      |      |      |      |
| Deudraeth ..          | 11                       | 9       | 20    | 3.01                                                   | 1.89                                        | 2.13                                                             | 0.97 | 2.28 | 1.93 | 1.49 |
| Dolgelly ..           | 8                        | 5       | 13    | 1.74                                                   | 1.79                                        | 2.43                                                             | 2.47 | 1.52 | 1.72 | 1.60 |
| Edeyrnion ..          | 3                        | 3       | 6     | 1.48                                                   | 2.58                                        | 2.25                                                             | 1.86 | 2.46 | 2.73 | 3.42 |
| Penllyn ..            | 2                        | 2       | 4     | 1.30                                                   | 2.33                                        | 4.18                                                             | 2.44 | 0.92 | 0.95 | 2.57 |
| Pennal C.P. ..        | 1                        | 0       | 1     | 2.85                                                   | 1.91                                        | ..                                                               | 10.5 | 2.63 | 5.86 | 8.67 |

TABLE VIII.

The following Table gives the sites of Cancer and the number who died (male and female) in each sanitary district in the County in 1947.

|                       | Cancer of<br>Buccal<br>cavity<br>and<br>o'phagus (m)<br>uterus (f) |    | Cancer of<br>Stomach<br>and<br>duodenum |    | Cancer of<br>Breast |    | Cancer of<br>all other<br>Sites |    | Total all<br>Sites |    | Total<br>both<br>Sexes |
|-----------------------|--------------------------------------------------------------------|----|-----------------------------------------|----|---------------------|----|---------------------------------|----|--------------------|----|------------------------|
|                       | M                                                                  | F  | M                                       | F  | M                   | F  | M                               | F  | M                  | F  |                        |
| <i>Col. 1</i>         | 2                                                                  | 3  | 4                                       | 5  | 6                   | 7  | 8                               | 9  | 10                 | 11 | 12                     |
| County of Merioneth.. | 4                                                                  | 2  | 14                                      | 9  | ..                  | 9  | 24                              | 15 | 42                 | 35 | 77                     |
| Total Urban Districts | 1                                                                  | 2  | 3                                       | 5  | ..                  | 2  | 13                              | 7  | 17                 | 16 | 33                     |
| Total Rural Districts | 3                                                                  | 0  | 11                                      | 4  | ..                  | 7  | 11                              | 8  | 25                 | 19 | 44                     |
| Urban Districts :     |                                                                    |    |                                         |    |                     |    |                                 |    |                    |    |                        |
| Bala ..               | ..                                                                 | 1  | 1                                       | 0  | ..                  | .. | ..                              | .. | 1                  | 1  | 2                      |
| Barmouth ..           | ..                                                                 | .. | ..                                      | 2  | ..                  | 2  | 1                               | 2  | 1                  | 6  | 7                      |
| Dolgelley ..          | ..                                                                 | 1  | ..                                      | .. | ..                  | .. | 4                               | .. | 4                  | 1  | 5                      |
| Festiniog ..          | ..                                                                 | .. | 1                                       | 3  | ..                  | .. | 4                               | 3  | 5                  | 6  | 11                     |
| Towyn ..              | 1                                                                  | .. | 1                                       | .. | ..                  | .. | 4                               | 2  | 6                  | 2  | 8                      |
| Rural Districts :     |                                                                    |    |                                         |    |                     |    |                                 |    |                    |    |                        |
| Deudraeth ..          | 2                                                                  | .. | 6                                       | .. | ..                  | 4  | 3                               | 5  | 11                 | 9  | 20                     |
| Dolgelley ..          | ..                                                                 | .. | 2                                       | 3  | ..                  | 1  | 6                               | 1  | 8                  | 5  | 13                     |
| Edeyrnion ..          | 1                                                                  | .. | 1                                       | .. | ..                  | 1  | 1                               | 2  | 3                  | 3  | 6                      |
| Penllyn ..            | ..                                                                 | .. | 1                                       | 1  | ..                  | 1  | 1                               | .. | 2                  | 2  | 4                      |
| Pennal C.P. ..        | ..                                                                 | .. | 1                                       | .. | ..                  | .. | ..                              | .. | 1                  | .. | 1                      |

## GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

### *Laboratory Facilities :*

The laboratories established at Aberystwyth and Conway under the jurisdiction of the Minister of Health provide the necessary services for the bacteriological examinations of swabs, etc., and of water.

### *Ambulance :*

The Council provided an ambulance stationed at Dolgelley, for the conveyance of infectious cases from within the County. Ambulances for non-infectious cases were provided by certain sanitary authorities and voluntary bodies.

### *Nursing in the Home, Midwifery and Health Visiting :*

Nurses employed by the County and District Nursing Associations carried out nursing in the home and, by arrangements with the County Council, Midwifery and Health Visiting throughout the County. An annual grant is made by the County Council to the Associations for these services.

The non-Medical Supervisor of Midwives and Superintendent Health Visitor is Mrs. Eleanor Owen, S.R.N., S.M., H.V., who also acts as County Superintendent of general nursing.

### *Hospitals for Infectious Cases :*

No infectious disease hospital is owned by the County Council. Enquiries were made regarding the possibility of establishing such a hospital at an ex-military hospital built within the County, but no definite action was taken. Infectious cases requiring hospital treatment were admitted to isolation hospitals at Caernarvon, St. Asaph, Wrexham and Aberystwyth.

### *Ante-Natal and Post-Natal Clinics :*

There were no changes in the arrangements made for ante-natal and post-natal clinics from those existing in previous years but it will be necessary to establish more frequent clinics to make the service more efficient.

### *Venereal Diseases :*

Treatment of cases suffering from Venereal Diseases was carried out mostly at the Bangor and Wrexham centres. Arrangements were made for certain treatment to be carried out by general practitioners following examination of the patients and advice by the V.D. Specialists.

### *Child Welfare Clinics :*

Clinics were established at the centres shown in the table. Some clinics have been well attended. Most of the clinics have been held in chapel vestries, church halls or similar buildings. In the most populated areas the Council might consider building or adapting suitable premises for this purpose which could also provide for school clinics for the treatment of minor ailments.

### *Sanitary Circumstances of the Area :*

Various schemes for improving the water supplies and sewerage schemes were submitted from some of the County Districts under the Rural Water Supplies Act, 1944. These were submitted to the Welsh Board of Health for consideration.

## IMMUNISATION AGAINST DIPHTHERIA

*Children immunised up to 31st December, 1947,  
by Officers of the County Council*

| <i>Sanitary District :</i> | <i>No. of children<br/>immunised by<br/>Officers of the<br/>County Council</i> |                      | <i>No. of children<br/>immunised by<br/>private<br/>practitioners</i> |  | <i>Total</i> |
|----------------------------|--------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------|--|--------------|
|                            | <i>aged<br/>0-5</i>                                                            | <i>aged<br/>5-15</i> |                                                                       |  |              |
| Bala U.D. .. ..            | 59                                                                             | 148                  | 1                                                                     |  | 208          |
| Barmouth U.D. ..           | 77                                                                             | 288                  | 10                                                                    |  | 375          |
| Dolgelley U.D. .. ..       | 56                                                                             | 267                  | —                                                                     |  | 323          |
| Festiniog U.D. .. ..       | 292                                                                            | 875                  | 2                                                                     |  | 1,169        |
| Towyn U.D. .. ..           | 142                                                                            | 391                  | 2                                                                     |  | 535          |
| Deudraeth R.D. ..          | 361                                                                            | 772                  | 2                                                                     |  | 1,135        |
| Dolgelley R.D. .. ..       | 284                                                                            | 763                  | —                                                                     |  | 1,047        |
| Edeyrnion R.D. ..          | 189                                                                            | 419                  | 4                                                                     |  | 612          |
| Penllyn R.D. .. ..         | 143                                                                            | 305                  | ..                                                                    |  | 448          |
| <i>Total ..</i>            |                                                                                |                      |                                                                       |  | <u>5,852</u> |

THE ROBERT JONES AND AGNES HUNT ORTHOPAEDIC HOSPITAL,  
GOBOWEN, OSWESTRY

RETURN, showing the number of MEIRIONETHSHIRE patients treated at the Orthopaedic Clinics during the year 1947, and the number of attendances made by such patients:—

| Scheme                                                             | On<br>books<br>1/1/47 | Ad-<br>mitted<br>during<br>1947 | Total<br>treated | Dis-<br>charged<br>during<br>1947 | On Books 31/12/46                    |                                           |                  |
|--------------------------------------------------------------------|-----------------------|---------------------------------|------------------|-----------------------------------|--------------------------------------|-------------------------------------------|------------------|
|                                                                    |                       |                                 |                  |                                   | On books<br>Active<br>treat-<br>ment | 31/12/47<br>Ap'liance<br>super-<br>vision | Attend-<br>ances |
| Maternity & Child Welfare<br>(under 5) .. .. .                     | 35                    | 36                              | 71               | 27                                | 44                                   | ..                                        | 131              |
| School Medical Service<br>(5-16) .. .. .                           | 143                   | 103                             | 246              | 84                                | 162                                  | ..                                        | 590              |
| Voluntary Orthopaedic<br>Association (16 and up-<br>wards) .. .. . | 192                   | 118                             | 310              | 133                               | 151                                  | 26                                        | 549              |
| TOTALS .. .. .                                                     | 370                   | 257                             | 627              | 244                               | 357                                  | 26                                        | 1,270            |
|                                                                    |                       |                                 |                  |                                   | 383                                  |                                           |                  |

During the year 7 patients attained the age of 5 years and 5 attained the age of 16 years. These are included in both age groups, in which they were treated, and the total number treated is therefore 615.

In addition 53 patients were seen by the Surgeons for whom no treatment was advised. This brings the total attendances to—1,323.

*Institutional Provision for the Care of Mental Defectives :*

Part of the Public Assistance Institution at Penrhyndeudraeth was set aside for the reception of mental defectives of low grade of both sexes over the age of sixteen. Those under sixteen requiring institutional care were sent to Institutions outside the County, mainly to the Institution at Caersws, Montgomeryshire.

# MENTAL DEFICIENCY ACTS, 1913-1935

Particulars of Mental Defectives as and on 31st December, 1947.

| <i>Number of Mental Defectives<br/>subject to be dealt with :</i>                                                            | <i>Males</i> | <i>Females</i> | <i>Total</i> |
|------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|--------------|
| Under "Orders"—                                                                                                              |              |                |              |
| In Institutions :                                                                                                            |              |                |              |
| (i) Under 16 years of age ..                                                                                                 | 2            | ..             | 2            |
| (ii) Aged 16 years and over ..                                                                                               | 10           | 14             | 24           |
| Action not yet taken .. ..                                                                                                   | 15           | 23             | 38           |
| Reported to the Local Authority<br>from any reliable source, but<br>as to whom no action under<br>the Acts has been taken .. | 6            | 11             | 17           |

## BLIND PERSONS

The number of Blind Persons upon the County Register at the end of the year was 41 males and 40 females making a total of 81.

Two cases were referred to an ophthalmic Surgeon and two were certified blind. One other case was seen by the County Medical Officer of Health and placed on the Register.

Similar arrangements were continued with the North Wales Society for the Blind for carrying out the welfare of the Blind, as in past years.

| Year | Males | Females | Total |
|------|-------|---------|-------|
| 1917 | 41    | 40      | 81    |
| 1918 | 41    | 40      | 81    |
| 1919 | 41    | 40      | 81    |
| 1920 | 41    | 40      | 81    |
| 1921 | 41    | 40      | 81    |
| 1922 | 41    | 40      | 81    |

## MATERNITY AND CHILD WELFARE

## MIDWIVES

TABLE IX.

|                                                                         |    |
|-------------------------------------------------------------------------|----|
| The number of Midwives on register on the 1st January, 1947 .. .. .     | 48 |
| Number who notified their intention to practice during the year .. .. . | 4  |
| Number who left the County .. .. .                                      | 1  |
| Number on register on 31st December, 1947 ..                            | 51 |

## BIRTHS

|                                                                                                                 | <i>Domi-<br/>ciliary<br/>Cases</i> | <i>Cases<br/>in<br/>Insti-<br/>tutions</i> | <i>Total</i> |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------|--------------|
| Number of Maternity cases in the area of the Local Supervising Authority attended during the year by midwives : |                                    |                                            |              |
| (a) Employed by the Council or other Welfare Councils—                                                          |                                    |                                            |              |
| As Midwives .. .. .                                                                                             | ..                                 | ..                                         | ..           |
| As Maternity Nurses .. ..                                                                                       | ..                                 | ..                                         | ..           |
| (b) Employed by Voluntary Associations :—                                                                       |                                    |                                            |              |
| As Midwives .. .. .                                                                                             | 235                                | 109                                        | 344          |
| As Maternity Nurses .. ..                                                                                       | 61                                 | 90                                         | 151          |
| (c) In private practice :—                                                                                      |                                    |                                            |              |
| As Midwives .. .. .                                                                                             | 1                                  | ..                                         | 1            |
| As Maternity Nurses .. ..                                                                                       | ..                                 | ..                                         | ..           |
| <i>Total</i> —As Midwives .. .. .                                                                               | 236                                | 109                                        | 345          |
| As Maternity Nurses .. ..                                                                                       | 61                                 | 90                                         | 151          |

The number of cases of women who attended the Ante-Natal and Post-Natal clinics of the Authority were—

|                  |    |    |    |    |    |    |
|------------------|----|----|----|----|----|----|
| Ante-natal cases | .. | .. | .. | .. | .. | 89 |
| Post-natal cases | .. | .. | .. | .. | .. | 16 |

The clinics are held at the Cottage Hospitals in the County at Blaenau Festiniog, Dolgelley and Towyn.

Cases from Bala, Penllyn and Edeyrnion are seen at Chester by arrangements with the Obstetric Specialist of the Authority.

*Medical Aid :*

The number of Medical Aid forms issued by certified midwives during the year were :—

|                  |    |    |    |    |    |                 |
|------------------|----|----|----|----|----|-----------------|
| Ante-natal cases | .. | .. | .. | .. | .. | 38              |
| Natal Cases      | .. | .. | .. | .. | .. | 42              |
| Post-Natal cases | .. | .. | .. | .. | .. | 54              |
| To baby          | .. | .. | .. | .. | .. | 10              |
| <i>Total</i>     | .. | .. | .. | .. | .. | <hr/> 144 <hr/> |

TABLE X.  
INFANT WELFARE CENTRES

| Centre :                 | Number of Meetings. | Total number of children in attendance |             |       | Average No. of Children in attendance |             |       | Number of children in attendance for the first time |             |       |
|--------------------------|---------------------|----------------------------------------|-------------|-------|---------------------------------------|-------------|-------|-----------------------------------------------------|-------------|-------|
|                          |                     | Under one                              | One to five | Total | Under one                             | One to five | Total | Under one                                           | One to five | Total |
| Bala .. .. .             | 25                  | 205                                    | 80          | 285   | 8                                     | 3           | 11    | 33                                                  | ..          | 33    |
| Barmouth .. .. .         | 25                  | 184                                    | 148         | 332   | 7                                     | 6           | 13    | 24                                                  | 6           | 30    |
| Corwen .. .. .           | 12                  | 65                                     | 69          | 134   | 6                                     | 6           | 12    | 20                                                  | 2           | 22    |
| Corris .. .. .           | 9                   | 121                                    | 62          | 183   | 13                                    | 7           | 20    | 27                                                  | 4           | 31    |
| Dolgelley .. .. .        | 23                  | 128                                    | 97          | 225   | 6                                     | 4           | 10    | 25                                                  | 8           | 33    |
| Festiniog .. .. .        | 25                  | 770                                    | 268         | 1038  | 31                                    | 11          | 42    | 145                                                 | 22          | 167   |
| Harlech .. .. .          | 11                  | 66                                     | 43          | 109   | 6                                     | 4           | 10    | 28                                                  | 7           | 35    |
| Penrhyndeudraeth .. .. . | 24                  | 527                                    | 517         | 1044  | 22                                    | 22          | 44    | 49                                                  | ..          | 49    |
| Towyn .. .. .            | 23                  | 128                                    | 187         | 315   | 6                                     | 8           | 14    | 27                                                  | 7           | 34    |
| Trawsfynydd .. .. .      | 12                  | 85                                     | 97          | 182   | 7                                     | 8           | 15    | 13                                                  | 9           | 22    |
| Aberdovey .. .. .        | 9                   | 95                                     | 226         | 321   | 11                                    | 25          | 36    | 26                                                  | 46          | 72    |
| Dyffryn .. .. .          | 10                  | 49                                     | 69          | 118   | 5                                     | 7           | 12    | 13                                                  | 26          | 39    |

TABLE XI.  
BIRTHS

|                            | No. of Births<br>1947 |                                   | No. of<br>Births<br>notified<br>by<br>Doctors | No. of<br>Births<br>notified<br>by<br>State<br>certified<br>mid-<br>wives | No. of<br>cases<br>attended<br>by<br>doctors &<br>certified<br>mid-<br>wives | No. of<br>Notifi-<br>cations<br>received<br>from<br>Regi-<br>strars<br>of<br>Bir ths. |
|----------------------------|-----------------------|-----------------------------------|-----------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                            | Regis-<br>tered       | Noti-<br>fied<br>in the<br>County |                                               |                                                                           |                                                                              |                                                                                       |
| Col. 1.                    | 2                     | 3                                 | 4                                             | 5                                                                         | 6                                                                            | 7                                                                                     |
| <b>County of Merioneth</b> | 675                   | 496                               | ..                                            | 345                                                                       | 151                                                                          | ..                                                                                    |
| <b>Total Urban Dists.</b>  | 279                   | 321                               | —                                             | 210                                                                       | 111                                                                          | ..                                                                                    |
| <b>Total Rural Dists.</b>  | 396                   | 175                               | ..                                            | 135                                                                       | 40                                                                           | ...                                                                                   |
| <b>Urban Districts :</b>   |                       |                                   |                                               |                                                                           |                                                                              |                                                                                       |
| Bala .....                 | 28                    | 16                                | —                                             | 12                                                                        | 4                                                                            | ...                                                                                   |
| Barmouth ..                | 33                    | 84                                | ..                                            | 29                                                                        | 55                                                                           | ...                                                                                   |
| Dolgelley ....             | 41                    | 63                                | ..                                            | 41                                                                        | 22                                                                           | ...                                                                                   |
| Festiniog ....             | 125                   | 81                                | —                                             | 69                                                                        | 12                                                                           | ...                                                                                   |
| Towyn .....                | 52                    | 77                                | ..                                            | 59                                                                        | 18                                                                           | ...                                                                                   |
| <b>Rural Districts :</b>   |                       |                                   |                                               |                                                                           |                                                                              |                                                                                       |
| Deudraeth ..               | 123                   | 58                                | ..                                            | 35                                                                        | 23                                                                           | ...                                                                                   |
| Dolgelley ....             | 134                   | 39                                | ..                                            | 30                                                                        | 9                                                                            | ...                                                                                   |
| Edeyrnion ..               | 88                    | 43                                | ..                                            | 39                                                                        | 4                                                                            | ...                                                                                   |
| Penllyn .....              | 48                    | 35                                | ..                                            | 31                                                                        | 4                                                                            | ...                                                                                   |
| Pennal C.P. ...            | 3                     | 0                                 | ..                                            | —                                                                         | —                                                                            | ...                                                                                   |

TABLE XII.

Giving the number of Still Births registered and notified with certain "Still Births" rates, 1947.

|                             | No. of Still Births in Registrar General's return | No. of cases of still-births notified by |                                    |                                | No. of Cases attended by Doctor and Certified Midwife | Still birth rates                     |                                                               |
|-----------------------------|---------------------------------------------------|------------------------------------------|------------------------------------|--------------------------------|-------------------------------------------------------|---------------------------------------|---------------------------------------------------------------|
|                             |                                                   | Doc-<br>tor                              | State<br>Certified<br>Mid-<br>wife | Regis-<br>trar<br>of<br>Births |                                                       | per<br>1,000<br>of<br>popula-<br>tion | per 1,000<br>Total<br>Births<br>(Live and<br>Still<br>births) |
| Col. 1                      | 2                                                 | 3                                        | 4                                  | 5                              | 6                                                     | 7                                     | 8                                                             |
| England and Wales .. ..     | ..                                                | ..                                       | ..                                 | ..                             | ..                                                    | 0.50                                  | ..                                                            |
| County of Merioneth .. ..   | 23                                                | 1                                        | 9                                  | ..                             | 11                                                    | 0.60                                  | 32.95                                                         |
| Total Urban Districts .. .. | 8                                                 | ..                                       | 4                                  | ..                             | 8                                                     | 0.48                                  | 27.87                                                         |
| Total Rural Districts .. .. | 15                                                | 1                                        | 5                                  | ..                             | 3                                                     | 0.69                                  | 36.50                                                         |
| Urban Districts :           |                                                   |                                          |                                    |                                |                                                       |                                       |                                                               |
| Bala .. ..                  | ..                                                | ..                                       | ..                                 | ..                             | ..                                                    | ..                                    | ..                                                            |
| Barmouth .. ..              | 1                                                 | ..                                       | 4                                  | ..                             | 3                                                     | 0.43                                  | 29.41                                                         |
| Dolgelley .. ..             | 1                                                 | ..                                       | 3                                  | ..                             | 3                                                     | 0.43                                  | 23.81                                                         |
| Festiniog .. ..             | 4                                                 | ..                                       | ..                                 | ..                             | ..                                                    | 0.55                                  | 31.01                                                         |
| Towyn .. ..                 | 2                                                 | ..                                       | 5                                  | ..                             | 2                                                     | 0.58                                  | 31.04                                                         |
| Rural Districts :           |                                                   |                                          |                                    |                                |                                                       |                                       |                                                               |
| Deudraeth .. ..             | 2                                                 | 1                                        | 2                                  | ..                             | 2                                                     | 0.30                                  | 16.00                                                         |
| Dolgelley .. ..             | 7                                                 | ..                                       | 2                                  | ..                             | 1                                                     | 0.94                                  | 49.65                                                         |
| Edeyrnion .. ..             | 1                                                 | ..                                       | ..                                 | ..                             | ..                                                    | 0.25                                  | 11.24                                                         |
| Penllyn .. ..               | 5                                                 | ..                                       | 3                                  | ..                             | ..                                                    | 1.62                                  | 94.34                                                         |

TABLE XIII.  
HEALTH VISITING, 1947

Showing the number of Health Visits paid by part-time Health Visitors.

| <i>Districts</i>   | <i>Visits to children 0-1<br/>years of age</i> |                         | <i>to<br/>children<br/>1-5 years<br/>of age</i> | <i>Total<br/>Health<br/>Visits<br/>to<br/>0-5 years</i> |
|--------------------|------------------------------------------------|-------------------------|-------------------------------------------------|---------------------------------------------------------|
|                    | <i>Primary<br/>Visits</i>                      | <i>Total<br/>Visits</i> |                                                 |                                                         |
| Aberdovey .. ..    | 10                                             | 72                      | 104                                             | 176                                                     |
| Bala .. ..         | 50                                             | 182                     | 272                                             | 454                                                     |
| Barmouth .. ..     | 34                                             | 216                     | 206                                             | 422                                                     |
| Corris .. ..       | 18                                             | 135                     | 92                                              | 227                                                     |
| Corwen .. ..       | 74                                             | 259                     | 345                                             | 604                                                     |
| Dinas Mawddwy..    | 10                                             | 52                      | 59                                              | 111                                                     |
| Dolgelley .. ..    | 80                                             | 338                     | 342                                             | 680                                                     |
| Dyffryn .. ..      | 21                                             | 113                     | 112                                             | 225                                                     |
| Celynin .. ..      | 17                                             | 63                      | 54                                              | 117                                                     |
| Festiniog .. ..    | 111                                            | 469                     | 537                                             | 1006                                                    |
| Harlech .. ..      | 20                                             | 129                     | 196                                             | 325                                                     |
| Llanbedr .. ..     | 5                                              | 35                      | 39                                              | 74                                                      |
| Llanegryn .. ..    | 13                                             | 57                      | 90                                              | 147                                                     |
| Maentwrog .. ..    | 11                                             | 46                      | 85                                              | 131                                                     |
| Penrhyndeudraeth   | 50                                             | 219                     | 254                                             | 473                                                     |
| Towyn .. ..        | 30                                             | 158                     | 170                                             | 328                                                     |
| Trawsfynydd ..     | 21                                             | 192                     | 176                                             | 368                                                     |
| <i>Total</i> .. .. | 585                                            | 2735                    | 3133                                            | 5868                                                    |

TABLE XIV.

Giving the Maternal Mortality rate per 1,000 live births in quinquennial periods and the years 1946, 1947

| <i>Quin-<br/>quennial<br/>Periods</i> | <i>Puerperal Fever</i> |                                  | <i>Other accidents<br/>and diseases of<br/>pregnancy</i> |                                  | <i>Totals of columns<br/>2 &amp; 4 and<br/>3 and 5</i> |                                  |
|---------------------------------------|------------------------|----------------------------------|----------------------------------------------------------|----------------------------------|--------------------------------------------------------|----------------------------------|
|                                       | <i>Mer-<br/>ioneth</i> | <i>England<br/>and<br/>Wales</i> | <i>Mer-<br/>ioneth</i>                                   | <i>England<br/>and<br/>Wales</i> | <i>Mer-<br/>ioneth</i>                                 | <i>England<br/>and<br/>Wales</i> |
| <i>Col. 1</i>                         | 2                      | 3                                | 4                                                        | 5                                | 6                                                      | 7                                |
| 1911-1915                             | 2.6                    | 1.5                              | 5.4                                                      | 2.3                              | 8.0                                                    | 3.6                              |
| 1916-1920                             | 1.3                    | 1.6                              | 4.3                                                      | 2.3                              | 5.6                                                    | 3.9                              |
| 1921-1925                             | 1.8                    | 1.6                              | 2.7                                                      | 2.5                              | 2.7                                                    | 4.1                              |
| 1926-1930                             | 1.7                    | 1.7                              | 3.8                                                      | 2.5                              | 5.5                                                    | 4.3                              |
| 1931-1935                             | 2.2                    | 1.8                              | 5.1                                                      | 2.5                              | 6.8                                                    | 4.3                              |
| 1936-1940                             | 0.8                    | 0.9                              | 1.5                                                      | 2.1                              | 2.3                                                    | 3.0                              |
| 1941-1945                             | 0.6                    | 0.5                              | 0.9                                                      | 1.5                              | 1.6                                                    | 2.0                              |
| 1946                                  | 1.5                    | 0.1                              | 4.5                                                      | 1.0                              | 6.0                                                    | 1.1                              |
| 1947                                  | ..                     | 0.1                              | 2.9                                                      | 0.8                              | 2.9                                                    | 0.9                              |

TABLE XV.  
INFANT MORTALITY, 1947

| <i>Number of deaths of Infants at the different age periods</i> |                     |                     |                     |                     |                                  |                                   |                                    |                                    |                                     |                          |                              |                                                    |
|-----------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-------------------------------------|--------------------------|------------------------------|----------------------------------------------------|
| <i>Ages at Death</i>                                            | <i>Under 1 week</i> | <i>1 to 2 weeks</i> | <i>2 to 3 weeks</i> | <i>3 to 4 weeks</i> | <i>Total under 4 wks (1 mth)</i> | <i>4 weeks and under 3 months</i> | <i>3 months and under 6 months</i> | <i>6 months and under 9 months</i> | <i>9 months and under 12 months</i> | <i>Total 2-12 months</i> | <i>Total under 12 months</i> | <i>Infant mortality rate per 1,000 live births</i> |
| <i>Col. 1.</i>                                                  | 2                   | 3                   | 4                   | 5                   | 6                                | 7                                 | 8                                  | 9                                  | 10                                  | 11                       | 12                           | 13                                                 |
| County of Merioneth .....                                       | 19                  | 2                   | 1                   | 1                   | 23                               | 3                                 | 1                                  | 2                                  | 3                                   | 9                        | 32                           | 47.40                                              |
| Total Urban Dists.                                              | 7                   | 1                   | ..                  | 1                   | 9                                | 1                                 | 1                                  | 1                                  | 3                                   | 3                        | 12                           | 43.01                                              |
| Total Rural Dists.                                              | 12                  | 1                   | 1                   | ..                  | 14                               | 2                                 | —                                  | 1                                  | 3                                   | 6                        | 20                           | 50.51                                              |
| Urban Dists. :                                                  |                     |                     |                     |                     |                                  |                                   |                                    |                                    |                                     |                          |                              |                                                    |
| Bala .....                                                      | ..                  | ..                  | ..                  | ..                  | —                                | ..                                | ..                                 | ..                                 | ..                                  | ..                       | —                            | ..                                                 |
| Barmouth ..                                                     | ..                  | ..                  | ..                  | ..                  | ..                               | —                                 | ..                                 | ..                                 | ..                                  | ..                       | —                            | ..                                                 |
| Dolgelley ....                                                  | 3                   | ..                  | ..                  | 1                   | 4                                | ..                                | ..                                 | ..                                 | ..                                  | ..                       | 4                            | 97.56                                              |
| Festiniog ....                                                  | 4                   | 1                   | ..                  | ..                  | 5                                | 1                                 | 1                                  | 1                                  | —                                   | 3                        | 8                            | 64.00                                              |
| Towyn .....                                                     | ..                  | ..                  | ..                  | ..                  | —                                | ..                                | ..                                 | ..                                 | ..                                  | ..                       | —                            | ..                                                 |
| Rural Dists. :                                                  |                     |                     |                     |                     |                                  |                                   |                                    |                                    |                                     |                          |                              |                                                    |
| Deudraeth ....                                                  | 3                   | 1                   | ..                  | ..                  | 4                                | —                                 | ..                                 | 1                                  | 2                                   | 3                        | 7                            | 56.91                                              |
| Dolgelley ....                                                  | 4                   | ..                  | ..                  | ..                  | 4                                | 2                                 | ..                                 | ..                                 | ..                                  | 2                        | 6                            | 44.78                                              |
| Edeyrnion ....                                                  | 3                   | ..                  | 1                   | ..                  | 4                                | ..                                | ..                                 | ..                                 | ..                                  | —                        | 4                            | 45.46                                              |
| Penllyn .....                                                   | 2                   | ..                  | ..                  | ..                  | 2                                | ..                                | ..                                 | ..                                 | 1                                   | 1                        | 3                            | 62.50                                              |
| Pennal C.P. ..                                                  | ..                  | ..                  | ..                  | ..                  | —                                | ..                                | ..                                 | ..                                 | ..                                  | ..                       | ..                           | ..                                                 |

TABLE XVI.

## INFANT MORTALITY

Showing the causes of death and number of infants who died under one year of age in the several County Districts and in the County.

| Cause of Death              | URBAN AREAS |          |          |           |       |                             | RURAL AREAS |          |           |         |        |                             | Total<br>County |
|-----------------------------|-------------|----------|----------|-----------|-------|-----------------------------|-------------|----------|-----------|---------|--------|-----------------------------|-----------------|
|                             | Bala        | Barmouth | Dolgelly | Festiniog | Towyn | Total<br>Urban<br>Districts | Deudraeth   | Dolgelly | Edeyrnion | Pentlyn | Pennal | Total<br>Rural<br>Districts |                 |
| Col. 1                      | 2           | 3        | 4        | 5         | 6     | 7                           | 8           | 9        | 10        | 11      | 12     | 13                          | 14              |
| 1. Measles..                | ..          | ..       | ..       | ..        | ..    | ..                          | ..          | ..       | ..        | ..      | ..     | ..                          | ..              |
| 2. Whooping Cough           | ..          | ..       | ..       | ..        | ..    | ..                          | ..          | ..       | ..        | ..      | ..     | ..                          | ..              |
| 3. Bronchitis ..            | ..          | ..       | ..       | 1         | ..    | 1                           | ..          | ..       | ..        | ..      | ..     | ..                          | 1               |
| 4. Pneumonia ..             | ..          | ..       | ..       | ..        | ..    | ..                          | ..          | ..       | ..        | ..      | ..     | ..                          | ..              |
| 5. Meningitis ..            | ..          | ..       | ..       | ..        | ..    | 3                           | ..          | ..       | ..        | ..      | ..     | ..                          | 3               |
| 6. Gastro-enteritis         | ..          | ..       | 1        | 2         | ..    | ..                          | ..          | ..       | ..        | ..      | ..     | ..                          | ..              |
| 7. Marasmus                 | ..          | ..       | ..       | ..        | ..    | ..                          | ..          | ..       | ..        | ..      | ..     | ..                          | ..              |
| 8. Convulsions ..           | ..          | ..       | ..       | ..        | ..    | 2                           | 1           | 2        | 3         | 1       | ..     | 2                           | 2               |
| 9. Prematurity              | ..          | ..       | 1        | 1         | ..    | ..                          | 2           | 2        | 3         | 1       | ..     | 8                           | 10              |
| 10. Difficult Labour..      | ..          | ..       | ..       | 1         | ..    | 1                           | ..          | 1        | ..        | ..      | ..     | 1                           | 2               |
| 11. Congenital Causes       | ..          | ..       | ..       | 3         | ..    | 3                           | ..          | ..       | ..        | ..      | ..     | ..                          | 3               |
| 12. Other Defined Causes .. | ..          | ..       | 1        | ..        | ..    | 1                           | 3           | 3        | 1         | 1       | ..     | 8                           | 9               |
| 13. Uncertified ..          | ..          | ..       | ..       | ..        | ..    | ..                          | ..          | ..       | ..        | ..      | ..     | ..                          | ..              |
| 14. Coroner                 | ..          | ..       | 1        | ..        | ..    | 1                           | 1           | ..       | ..        | ..      | ..     | 1                           | 2               |

It will be noted that the main cause for infant mortality is prematurity which accounted for 10 deaths out of a total of 32, nine of which died within the first week of birth. Seven deaths were due to congenital causes so that over half the deaths were due to these two causes.

TABLE XVII.

Giving the causes of deaths of infants under one year of age and ages at death, 1947

| Causes of Death            | Number of deaths of infants at the several age periods |           |              |              |                               |                            |                             |                             |                              |                   |                       |  |
|----------------------------|--------------------------------------------------------|-----------|--------------|--------------|-------------------------------|----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------|-----------------------|--|
|                            | Under one week                                         | 1-2 weeks | 2 to 3 weeks | 3 to 4 weeks | Total under 4 weeks (1 month) | 4 weeks and under 3 months | 3 months and under 6 months | 6 months and under 9 months | 9 months and under 12 months | Total 2-12 months | Total under 12 months |  |
|                            | 2                                                      | 3         | 4            | 5            | 6                             | 7                          | 8                           | 9                           | 10                           | 11                | 12                    |  |
| Col. 1                     |                                                        |           |              |              |                               |                            |                             |                             |                              |                   |                       |  |
| 1. Measles                 | ..                                                     | ..        | ..           | ..           | ..                            | ..                         | ..                          | ..                          | ..                           | ..                | ..                    |  |
| 2. Whooping Cough          | ..                                                     | ..        | ..           | ..           | ..                            | ..                         | ..                          | ..                          | ..                           | ..                | ..                    |  |
| 3. Bronchitis              | ..                                                     | ..        | ..           | ..           | ..                            | ..                         | ..                          | 1                           | ..                           | 1                 | 1                     |  |
| 4. Pneumonia               | ..                                                     | ..        | ..           | ..           | ..                            | ..                         | ..                          | ..                          | ..                           | ..                | ..                    |  |
| 5. Meningitis              | ..                                                     | ..        | ..           | ..           | ..                            | ..                         | ..                          | ..                          | ..                           | ..                | ..                    |  |
| 6. Gastro-enteritis        | ..                                                     | ..        | ..           | 1            | 1                             | 1                          | 1                           | ..                          | ..                           | 2                 | 3                     |  |
| 7. Marasmus                | ..                                                     | ..        | ..           | ..           | ..                            | ..                         | ..                          | ..                          | ..                           | ..                | ..                    |  |
| 8. Convulsions             | ..                                                     | ..        | ..           | ..           | ..                            | ..                         | ..                          | ..                          | 2                            | 2                 | 2                     |  |
| 9. Prematurity             | 9                                                      | ..        | 1            | ..           | 10                            | ..                         | ..                          | ..                          | ..                           | ..                | 10                    |  |
| 10. Difficult Labour       | 2                                                      | ..        | ..           | ..           | 2                             | ..                         | ..                          | ..                          | ..                           | ..                | 2                     |  |
| 11. Congenital Causes      | 2                                                      | 1         | ..           | ..           | 3                             | ..                         | ..                          | ..                          | ..                           | ..                | 3                     |  |
| 12. Other defined diseases | 5                                                      | ..        | ..           | ..           | 5                             | 2                          | ..                          | 1                           | 1                            | 4                 | 9                     |  |
| 13. Uncertified            | ..                                                     | ..        | ..           | ..           | ..                            | ..                         | ..                          | ..                          | ..                           | ..                | ..                    |  |
| 14. Coroner                | 2                                                      | ..        | ..           | ..           | 2                             | ..                         | ..                          | ..                          | ..                           | ..                | 2                     |  |

TABLE XVIII.  
VACCINATION 1947

| Vaccination district | Name of Public Vaccinator | Numbers of successful primary vaccinations of persons |                    |       | Nos. of successful re-vaccinations made |
|----------------------|---------------------------|-------------------------------------------------------|--------------------|-------|-----------------------------------------|
|                      |                           | Under 1 year of age                                   | 1 year and upwards | Total |                                         |
| Col. 1.              | 2                         | 3                                                     | 4                  | 5     | 6                                       |
| ...                  | Robert Jones              | 46                                                    | 6                  | 52    | 3                                       |
| ven                  | H. J. Satchwell           | 54                                                    | 5                  | 59    | 2                                       |
| draeth               | O. M. Prichard            | 17                                                    | ..                 | 17    | 1                                       |
| velley               | H. D. Owen                | 20                                                    | ..                 | 20    | 2                                       |
| iniog                | J. W. Morris              | 8                                                     | 3                  | 11    | 1                                       |
| ech                  | R. M. Williams            | ..                                                    | ..                 | ..    | ..                                      |
| aber                 | D. O. Williams            | 3                                                     | 5                  | 8     | ..                                      |
| egryn                | J. A. Davies              | 21                                                    | ..                 | 21    | 2                                       |
| wyd                  | H. D. Owen                | 6                                                     | ..                 | 6     | ..                                      |
| ial                  | D. E. Davies              | ..                                                    | ..                 | ..    | ..                                      |
| lyn                  | D. McKenzie Crooks        | ..                                                    | ..                 | ..    | ..                                      |
| rn                   | J. H. M. Lloyd            | 40                                                    | 1                  | 41    | 12                                      |
| rsfynydd             | Gwennie Williams          | ..                                                    | ..                 | ..    | 2                                       |

TABLE XIX.

| Registration Sub-Districts<br>comprised in the<br>Vaccination officer's District | Number of<br>Births<br>returned in<br>the 'Birth<br>List Sheets',<br>as registered<br>from<br>1st January<br>to 31st<br>December<br>1946 | Number of these Births duly entered by<br>31st January, 1948, in Columns I., II., IV and V of the<br>"Vaccination Register" (Birth List Sheets), viz.: |                                      |                  |                                                                                                                          |                                 |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|                                                                                  |                                                                                                                                          | Col. I.<br>Success-<br>fully<br>Vaccinated                                                                                                             | Col. II.                             |                  | Col. IV.<br>No. in respect<br>of whom Statu-<br>tory Declarations<br>of Conscientious<br>Objection have<br>been received | Col. V.<br>Died<br>unvaccinated |
|                                                                                  |                                                                                                                                          |                                                                                                                                                        | Insus-<br>ceptible of<br>Vaccination | Had<br>Small Pox |                                                                                                                          |                                 |
| 1                                                                                | 2                                                                                                                                        | 3                                                                                                                                                      | 4                                    | 5                | 6                                                                                                                        | 7                               |
| 1. Bala .. .. .                                                                  | 68                                                                                                                                       | 43                                                                                                                                                     | ..                                   | ..               | 6                                                                                                                        | 1                               |
| 2. Dolgelley .. .. .                                                             | 59                                                                                                                                       | 14                                                                                                                                                     | ..                                   | ..               | 3                                                                                                                        | 1                               |
| 3. Barmouth (Llanaber) .. .. .                                                   | 83                                                                                                                                       | 10                                                                                                                                                     | ..                                   | ..               | 1                                                                                                                        | 3                               |
| 4. Llanegryn .. .. .                                                             | 5                                                                                                                                        | 5                                                                                                                                                      | ..                                   | ..               | ..                                                                                                                       | ..                              |
| 5. Talyllyn .. .. .                                                              | 1                                                                                                                                        | 1                                                                                                                                                      | ..                                   | ..               | ..                                                                                                                       | ..                              |
| 6. Mallwyd .. .. .                                                               | 4                                                                                                                                        | 3                                                                                                                                                      | ..                                   | ..               | ..                                                                                                                       | ..                              |
| 7. Pennal .. .. .                                                                | ..                                                                                                                                       | ..                                                                                                                                                     | ..                                   | ..               | ..                                                                                                                       | ..                              |
| 8. Festiniog .. .. .                                                             | 91                                                                                                                                       | 3                                                                                                                                                      | ..                                   | ..               | ..                                                                                                                       | 9                               |
| 9. Towyn .. .. .                                                                 | 84                                                                                                                                       | 53                                                                                                                                                     | ..                                   | ..               | 1                                                                                                                        | ..                              |
| 10. Deudraeth .. .. .                                                            | 43                                                                                                                                       | 15                                                                                                                                                     | 2                                    | ..               | 4                                                                                                                        | 2                               |
| <b>TOTAL</b> .. .. .                                                             | <b>438</b>                                                                                                                               | <b>147</b>                                                                                                                                             | <b>2</b>                             | <b>..</b>        | <b>15</b>                                                                                                                | <b>16</b>                       |

TABLE XIX.—Continued.

| Number of these Births which on 31st January, 1948, remained unentered in the "Vaccination" Register on account (as shown by "Report Book") of |                                                                                 |                                                                                        | No. of these Births remaining on 31st Jan. 1948, neither duly entered in the 'Vaccination Register' (cols. 3, 4, 5, 6 and 7 of this Return) nor temporarily accounted for in the 'Report Book' (columns 8, 9 and 10 of this Return) | Total number of Certificates & copies of Certificates of Successful Primary Vaccination of Children under 14 received during the Calendar Year 1947 | Number of Statutory Declarations of Conscientious Objection actually received by the Vaccination Officer irrespective of the dates of birth of the children to which they relate, during the Calendar Year 1947 |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Postponement by Medical Certificate                                                                                                            | Removal to Districts the Vaccination Officers of which have been duly appraised | Removal to places unknown, or which account be reached and Cases not having been found |                                                                                                                                                                                                                                     |                                                                                                                                                     |                                                                                                                                                                                                                 |
| 8                                                                                                                                              | 9                                                                               | 10                                                                                     | 11                                                                                                                                                                                                                                  | 12                                                                                                                                                  | 13                                                                                                                                                                                                              |
| ..                                                                                                                                             | ..                                                                              | ..                                                                                     | 18                                                                                                                                                                                                                                  | These figures are to be obtained from Cols. 2 and 6 of the Summary (Form N.).                                                                       |                                                                                                                                                                                                                 |
| ..                                                                                                                                             | ..                                                                              | ..                                                                                     | 41                                                                                                                                                                                                                                  | 122                                                                                                                                                 | 5                                                                                                                                                                                                               |
| ..                                                                                                                                             | ..                                                                              | ..                                                                                     | 69                                                                                                                                                                                                                                  | 6                                                                                                                                                   | 2                                                                                                                                                                                                               |
| ..                                                                                                                                             | ..                                                                              | ..                                                                                     | ..                                                                                                                                                                                                                                  | 5                                                                                                                                                   | 1                                                                                                                                                                                                               |
| ..                                                                                                                                             | ..                                                                              | ..                                                                                     | ..                                                                                                                                                                                                                                  | 2                                                                                                                                                   | ..                                                                                                                                                                                                              |
| ..                                                                                                                                             | ..                                                                              | ..                                                                                     | 1                                                                                                                                                                                                                                   | ..                                                                                                                                                  | ..                                                                                                                                                                                                              |
| ..                                                                                                                                             | ..                                                                              | ..                                                                                     | ..                                                                                                                                                                                                                                  | ..                                                                                                                                                  | ..                                                                                                                                                                                                              |
| ..                                                                                                                                             | 4                                                                               | 1                                                                                      | 74                                                                                                                                                                                                                                  | 6                                                                                                                                                   | ..                                                                                                                                                                                                              |
| ..                                                                                                                                             | ..                                                                              | ..                                                                                     | 30                                                                                                                                                                                                                                  | 43                                                                                                                                                  | 4                                                                                                                                                                                                               |
| ..                                                                                                                                             | 2                                                                               | ..                                                                                     | 18                                                                                                                                                                                                                                  | ..                                                                                                                                                  | 2                                                                                                                                                                                                               |
| ..                                                                                                                                             | ..                                                                              | 1                                                                                      | 251                                                                                                                                                                                                                                 | 184                                                                                                                                                 | ..                                                                                                                                                                                                              |
| ..                                                                                                                                             | ..                                                                              | 1                                                                                      |                                                                                                                                                                                                                                     |                                                                                                                                                     | 14                                                                                                                                                                                                              |

# INFECTIOUS DISEASES—TABLE XX.

The number of cases of Infectious Diseases notified from each County District will be found in the following table.

| Col. 1.               | Scarlet Fever |                     |               | Diphtheria   |                     |               | Whooping Cough |                     |               | Measles      |                     |               | Puerperal pyrexia | Acute Pneumonia | Erysipelas   |
|-----------------------|---------------|---------------------|---------------|--------------|---------------------|---------------|----------------|---------------------|---------------|--------------|---------------------|---------------|-------------------|-----------------|--------------|
|                       | No. of Cases  | Incidence per 1,000 | No. of deaths | No of Cases. | Incidence per 1,000 | No. of deaths | No. of Cases   | Incidence per 1,000 | No. of deaths | No. of Cases | Incidence per 1,000 | No. of deaths | No. of Cases      | No. of Cases    | No. of Cases |
| 2                     | 3             | 4                   | 5             | 6            | 7                   | 8             | 9              | 10                  | 11            | 12           | 13                  | 14            | 15                | 16              | 38           |
| County of Merioneth   | 19            | 0.49                | ..            | 10           | 0.26                | ..            | 30             | 0.78                | ..            | 66           | 1.72                | ..            | ..                | 7               | 2            |
| Total Urban Districts | 13            | .77                 | ..            | 1            | 0.56                | ..            | 15             | 0.88                | ..            | 14           | 0.84                | ..            | ..                | 2               | ..           |
| Total Rural Districts | 6             | .03                 | ..            | 9            | 0.42                | ..            | 15             | 0.69                | ..            | 52           | 2.42                | ..            | ..                | 5               | 2            |
| Urban Districts       |               |                     |               |              |                     |               |                |                     |               |              |                     |               |                   |                 |              |
| Bala.....             | ..            | ..                  | ..            | ..           | ..                  | ..            | 9              | 6.44                | ..            | 1            | 0.72                | ..            | ..                | ..              | ..           |
| Barmouth .....        | 1             | .04                 | ..            | ..           | ..                  | ..            | 4              | 1.73                | ..            | 5            | 2.16                | ..            | ..                | ..              | ..           |
| Dolgelley .....       | ..            | ..                  | ..            | ..           | ..                  | ..            | ..             | ..                  | ..            | 7            | 2.99                | ..            | ..                | ..              | ..           |
| Festiniog .....       | 11            | 1.51                | ..            | 1            | 0.14                | ..            | 2              | 0.28                | ..            | ..           | ..                  | ..            | 2                 | ..              | ..           |
| Towyn .....           | 1             | 0.29                | ..            | ..           | ..                  | ..            | ..             | ..                  | ..            | 1            | 0.29                | ..            | ..                | ..              | ..           |
| Rural Districts :     |               |                     |               |              |                     |               |                |                     |               |              |                     |               |                   |                 |              |
| Deudraeth .....       | 3             | .52                 | ..            | ..           | ..                  | ..            | ..             | ..                  | ..            | 2            | 0.30                | ..            | ..                | 1               | ..           |
| Dolgelley .....       | 1             | .14                 | ..            | 6            | 0.81                | ..            | 2              | 0.27                | ..            | 38           | 5.13                | ..            | ..                | ..              | ..           |
| Edeyrnion .....       | 1             | .25                 | ..            | 3            | 0.74                | ..            | 9              | 2.29                | ..            | 8            | 1.98                | ..            | ..                | 4               | 2            |
| Penllyn .....         | 1             | .32                 | ..            | ..           | ..                  | ..            | 3              | 0.97                | ..            | ..           | ..                  | ..            | ..                | ..              | ..           |
| Pennal C.P. ....      | ..            | ..                  | ..            | ..           | ..                  | ..            | ..             | ..                  | ..            | 4            | 11.37               | ..            | ..                | ..              | ..           |



TABLE XXII.  
FOOD AND DRUGS ADULTERATION ACTS

| Article :         | Samples |          |       | Adulterated |          | Legal proceedings, fines and costs                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|---------|----------|-------|-------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | Formal  | Informal | Total | Formal      | Informal |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Milk .. .. .      | 36      | ..       | 36    | 19          | ..       | 19<br>(a) 17 Certified Genuine.<br>(b) 1 7% added water.<br>(c) 3 4% added water.<br>(d) 1 7% deficient in Fat<br>also below for Solids, not<br>Fat. No added water.<br>Freezing point normal.<br>(e) 13—All below stan-<br>dard for Solids not Fat. No<br>added Water. All Freezing<br>Points normal.<br>(f) 1 33% deficient in fat<br>' Appeal to cow' samples<br>taken in cases (d) and (f)<br>} All samples genuine. |
| Butter .. .. .    | 1       | ..       | 1     | ..          | ..       | ..                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Margarine .. .. . | 1       | ..       | 1     | ..          | ..       | ..                                                                                                                                                                                                                                                                                                                                                                                                                       |

TABLE XXIII.

Showing the numbers of deaths from Tuberculosis in the several County Districts, with the "phthisis" death rate and the total tuberculosis rate per 1,000 of population.

|                      | 1947<br>Deaths<br>from Tuberculosis |                                           | Death rates per 1,000<br>of population |                                                        |
|----------------------|-------------------------------------|-------------------------------------------|----------------------------------------|--------------------------------------------------------|
|                      | <i>Pul-<br/>monary<br/>cases</i>    | <i>Non-<br/>Pul-<br/>monary<br/>cases</i> | <i>Phthisis<br/>Death<br/>rate</i>     | <i>Total<br/>Tuber-<br/>culosis<br/>Death<br/>rate</i> |
| <i>Col. 1</i>        | <i>2</i>                            | <i>3</i>                                  | <i>4</i>                               | <i>5</i>                                               |
| County of Merioneth  | 39                                  | 4                                         | 1.02                                   | 1.12                                                   |
| Total Urban Dists... | 22                                  | 1                                         | 1.31                                   | 1.37                                                   |
| Total Rural Dists... | 17                                  | 3                                         | 0.77                                   | 0.93                                                   |
| Urban Districts :    |                                     |                                           |                                        |                                                        |
| Bala .. ..           | 1                                   | ..                                        | 0.79                                   | 0.72                                                   |
| Barmouth .. ..       | 1                                   | ..                                        | 0.43                                   | 0.43                                                   |
| Dolgelley .. ..      | 1                                   | ..                                        | 0.43                                   | 0.42                                                   |
| Festiniog .. ..      | 18                                  | 1                                         | 2.48                                   | 2.62                                                   |
| Towyn .. ..          | 1                                   | ..                                        | 0.29                                   | 0.29                                                   |
| Rural Districts :    |                                     |                                           |                                        |                                                        |
| Deudraeth .. ..      | 8                                   | 2                                         | 1.20                                   | 1.51                                                   |
| Dolgelley .. ..      | 6                                   | 1                                         | 0.81                                   | 0.94                                                   |
| Edeyrnion .. ..      | 2                                   | ..                                        | 0.49                                   | 0.49                                                   |
| Penllyn .. ..        | 1                                   | ..                                        | 0.32                                   | 0.32                                                   |
| Pennal C.P. .. ..    | ..                                  | ..                                        | ..                                     | ..                                                     |

TABLE XXIV.

## TUBERCULOSIS

New Cases and total deaths from Tuberculosis during the year 1947 in various age groups.

| Age<br>Periods         | NEW CASES   |         |                 |         | DEATHS      |         |                 |         |
|------------------------|-------------|---------|-----------------|---------|-------------|---------|-----------------|---------|
|                        | Respiratory |         | Non-respiratory |         | Respiratory |         | Non-respiratory |         |
|                        | Males       | Females | Males           | Females | Males       | Females | Males           | Females |
| Col. 1                 | 2           | 3       | 4               | 5       | 6           | 7       | 8               | 9       |
| 0-1                    | ..          | ..      | ..              | ..      | ..          | ..      | ..              | ..      |
| 1-5                    | 1           | ..      | ..              | ..      | ..          | ..      | 1               | ..      |
| 5-10                   | ..          | ..      | ..              | 1       | ..          | ..      | ..              | ..      |
| 10-15                  | 1           | 1       | 1               | 2       | ..          | 1       | ..              | 1       |
| 15-20                  | 5           | 3       | 1               | ..      | 1           | ..      | 1               | ..      |
| 20-25                  | 3           | 8       | 1               | 2       | 2           | 2       | ..              | ..      |
| 25-35                  | 6           | 11      | 2               | ..      | 3           | 4       | ..              | 1       |
| 35-45                  | 3           | 5       | 1               | ..      | 3           | 1       | ..              | ..      |
| 45-55                  | 3           | 2       | ..              | ..      | 7           | 1       | ..              | ..      |
| 55-65                  | 8           | 1       | ..              | ..      | 8           | 1       | ..              | ..      |
| 65 & Upwards           | 3           | ..      | ..              | ..      | 5           | ..      | ..              | ..      |
| Totals of All Ages ... | 33          | 31      | 6               | 5       | 29          | 10      | 2               | 2       |

TABLE XXV.

Showing new cases of Tuberculosis and the total deaths from tuberculosis in the County and the several districts.

|                       | NEW CASES   |         |                 |         | DEATHS      |         |                 |         |
|-----------------------|-------------|---------|-----------------|---------|-------------|---------|-----------------|---------|
|                       | Respiratory |         | Non respiratory |         | Respiratory |         | Non respiratory |         |
|                       | Males       | Females | Males           | Females | Males       | Females | Males           | Females |
| Col. 1                | 2           | 3       | 4               | 5       | 6           | 7       | 8               | 9       |
| County of Merioneth   | ..          | ..      | ..              | ..      | ..          | ..      | ..              | ..      |
| Total Urban Districts | 33          | 31      | 6               | 5       | 29          | 10      | 2               | 2       |
| Total Rural Districts | 18          | 16      | 4               | 3       | 18          | 4       | ..              | 1       |
| Urban Districts:      | 15          | 15      | 2               | 2       | 11          | 6       | 2               | 1       |
| Bala ..               | ..          | 2       | ..              | 2       | 1           | ..      | ..              | ..      |
| Barmouth ..           | 1           | 1       | 1               | 1       | 1           | ..      | ..              | ..      |
| Dolgelley ..          | 2           | 1       | ..              | ..      | ..          | 1       | ..              | ..      |
| Festiniog ..          | 11          | 9       | 3               | ..      | 15          | 3       | ..              | 1       |
| Towyn ..              | 4           | 3       | ..              | ..      | 1           | ..      | ..              | ..      |
| Rural Districts:      | ..          | ..      | ..              | ..      | ..          | ..      | ..              | ..      |
| Deudraeth ..          | 5           | 5       | ..              | ..      | 6           | 2       | 1               | 1       |
| Dolgelley ..          | 5           | 3       | 1               | 1       | 3           | 3       | 1               | ..      |
| Edeyrnion ..          | 3           | 4       | 1               | ..      | 2           | ..      | ..              | ..      |
| Penllyn ..            | 1           | 3       | ..              | 1       | ..          | 1       | ..              | ..      |
| Pennal C.P. ..        | 1           | ..      | ..              | ..      | ..          | ..      | ..              | ..      |

TABLE XXVI.

Showing the total tuberculosis death rate for the decennial period 1938—1946.

| Total Tuberculosis death rate per 1,000 of population |      |      |      |      |      |      |      |      |      |      |  |
|-------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|--|
|                                                       | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 |  |
| Col. 1                                                | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   |  |
| County of Merioneth ..                                | 1.00 | 1.05 | 0.91 | 0.93 | 0.75 | 0.77 | 0.99 | 0.84 | 0.92 | 1.12 |  |
| Total Urban Districts ..                              | 0.89 | 1.04 | 0.80 | 0.95 | 0.89 | 0.99 | 1.15 | 0.94 | 1.23 | 1.37 |  |
| Total Rural Districts ..                              | 1.08 | 1.01 | 1.00 | 0.92 | 0.63 | 0.60 | 0.88 | 0.77 | 0.68 | 0.93 |  |
| Urban Districts :                                     |      |      |      |      |      |      |      |      |      |      |  |
| Bala ..                                               | 0.67 | ..   | 1.85 | ..   | 1.30 | ..   | 1.41 | ..   | 0.71 | 0.72 |  |
| Barmouth ..                                           | 1.40 | 1.78 | 0.38 | 1.23 | 0.66 | 0.69 | 0.78 | 0.41 | 1.29 | 0.43 |  |
| Dolgelley ..                                          | ..   | ..   | 0.79 | 1.45 | 0.75 | 0.78 | 1.23 | 0.42 | 0.41 | 0.42 |  |
| Festiniog ..                                          | 1.29 | 1.67 | 1.20 | 1.05 | 1.23 | 2.00 | 1.53 | 1.39 | 2.17 | 2.62 |  |
| Towyn ..                                              | 0.30 | 0.28 | ..   | 0.62 | 0.44 | ..   | 0.52 | 1.09 | 0.00 | 0.29 |  |
| Rural Districts :                                     |      |      |      |      |      |      |      |      |      |      |  |
| Deudraeth ..                                          | 0.71 | 1.35 | 1.36 | 1.27 | 1.06 | 0.55 | 1.43 | 1.03 | 1.04 | 1.51 |  |
| Dolgelley ..                                          | 1.24 | 1.67 | 1.09 | 0.77 | 0.80 | 0.36 | 0.49 | 0.63 | 0.66 | 0.94 |  |
| Edeyrnion ..                                          | 0.46 | 0.47 | 0.24 | 0.89 | 0.45 | 0.93 | 0.49 | 0.74 | ..   | 0.49 |  |
| Penllyn ..                                            | 1.54 | 1.24 | 1.56 | 0.58 | 0.60 | 0.61 | 0.61 | 0.63 | 0.96 | 0.32 |  |
| Pennal C.P. ..                                        | ..   | ..   | 2.70 | ..   | ..   | ..   | 2.63 | 2.93 | ..   | ..   |  |

TABLE XXVII.

NEW CASES EXAMINED BY THE TUBERCULOSIS  
OFFICER, 1947

|                                                                                   |         |     |
|-----------------------------------------------------------------------------------|---------|-----|
| Number of new cases examined                                                      | .. .. . | 812 |
| Number found Tuberculous :—                                                       |         |     |
| Pulmonary .. .. .                                                                 |         | 57  |
| Non-Pulmonary .. .. .                                                             |         | 10  |
| Non-tuberculous .. .. .                                                           |         | 592 |
| Number of other cases previously found on re-<br>examination to be Tuberculous :— |         |     |
| Pulmonary .. .. .                                                                 |         | 9   |
| Non-Pulmonary .. .. .                                                             |         | 2   |
| found Non-Tuberculous .. .. .                                                     |         | 51  |

TABLE XXVIII.

## HOSPITAL RESIDENTIAL TREATMENT

|                                      | <i>Definitely Tuberculous</i> |                       | <i>Admitted for Observation</i> |                       |
|--------------------------------------|-------------------------------|-----------------------|---------------------------------|-----------------------|
|                                      | <i>Pul-monary</i>             | <i>Non-Pul-monary</i> | <i>Pul-monary</i>               | <i>Non-Pul-monary</i> |
| In Institution, Jan. 1st, 1947 .. .. | 27                            | 5                     | ..                              | ..                    |
| Admitted during 1947.. ..            | 16                            | 4                     | 7                               | ..                    |
| Transferred .. ..                    | ..                            | ..                    | 1                               | ..                    |
| <i>Total</i> ..                      | 43                            | 9                     | 8                               | ..                    |
| <i>Discharged :</i>                  |                               |                       |                                 |                       |
| Quiescent .. ..                      | 8                             | 3                     | ..                              | ..                    |
| Improved .. ..                       | 8                             | 2                     | ..                              | ..                    |
| No material improvement ..           | 8                             | ..                    | ..                              | ..                    |
| As tuberculous ..                    | ..                            | ..                    | 3                               | ..                    |
| Non tuberculous ..                   | ..                            | ..                    | 2                               | ..                    |
| Doubtfully tuberculous .. ..         | ..                            | ..                    | 2                               | ..                    |
| Died .. ..                           | 3                             | 1                     | ..                              | ..                    |
| Transferred .. ..                    | 1                             | ..                    | ..                              | ..                    |
| In Institution, Dec. 31st, 1947 ..   | 15                            | 3                     | 1                               | ..                    |

TABLE XXIX.

## SANATORIUM RESIDENTIAL TREATMENT

|                              | <i>Definitely<br/>Tuberculosis</i> | <i>Admitted for<br/>Observation</i> |
|------------------------------|------------------------------------|-------------------------------------|
|                              | <i>Pulmonary</i>                   | <i>Pulmonary</i>                    |
| In Institutions, 1 /1 /47 .. | 13                                 | 8                                   |
| Admitted during year ..      | 10                                 | 6                                   |
| Transferred .. ..            | ..                                 | ..                                  |
| <i>Total</i> .. ..           | 23                                 | 14                                  |
| <i>Discharged :</i>          |                                    |                                     |
| Quiescent ..... ..           | 7                                  | ..                                  |
| Improved .. ..               | 3                                  | ..                                  |
| No material improvement      | 6                                  | ..                                  |
| As Tuberculous .. ..         | ..                                 | ..                                  |
| Non tuberculous .. ..        | ..                                 | 1                                   |
| As Doubtfully Tuberculous    | ..                                 | 8                                   |
| Died .. ..                   | ..                                 | ..                                  |
| Transferred .. ..            | ..                                 | ..                                  |
| In Institutions, 31 /12 /47  | 7                                  | 5                                   |



## URBAN DISTRICTS

## —TABLE XXX.—

## RURAL DISTRICTS

Causes of death in the several County Districts, 1947.

| No. in R. G. List | CAUSES OF DEATH                                            | Bala U.D. | Barmouth U.D. | Dolgellau U.D. | Festiniog U.D. | Towyn U.D. | Total Urban Districts | Deudraeth R.D. | Dolgellau R.D. | Edeyrnion R.D. | Penllyn R.D. | Pennal C.P. | Total Rural Districts | Total County |
|-------------------|------------------------------------------------------------|-----------|---------------|----------------|----------------|------------|-----------------------|----------------|----------------|----------------|--------------|-------------|-----------------------|--------------|
|                   |                                                            | M F       | M F           | M F            | M F            | M F        | M F                   | M F            | M F            | M F            | M F          | M F         | M F                   | M F          |
| 2                 | ALL AGES .....                                             | 10 5      | 16 19         | 20 14          | 60 49          | 23 28      | 129 115               | 61 50          | 47 60          | 34 30          | 20 16        | 2 3         | 164 159               | 293 274      |
| 3                 | Cerebro-spinal fever .....                                 | .. ..     | .. ..         | .. ..          | .. ..          | .. ..      | .. ..                 | .. ..          | .. ..          | .. ..          | .. ..        | .. ..       | .. ..                 | .. ..        |
| 3                 | Scarlet Fever .....                                        | .. ..     | .. ..         | .. ..          | .. ..          | .. ..      | .. ..                 | .. ..          | .. ..          | .. ..          | .. ..        | .. ..       | .. ..                 | .. ..        |
| 4                 | Whooping Cough .....                                       | .. ..     | .. ..         | .. ..          | .. ..          | .. ..      | .. ..                 | .. ..          | .. ..          | .. ..          | .. ..        | .. ..       | .. ..                 | .. ..        |
| 5                 | Diphtheria .....                                           | .. ..     | .. ..         | .. ..          | .. ..          | .. ..      | .. ..                 | .. ..          | .. ..          | .. ..          | .. ..        | .. ..       | .. ..                 | .. ..        |
| 6                 | Tb. of Respiratory System ..                               | 1 ..      | 1 ..          | 1 ..           | 15 3           | 1 ..       | 18 4                  | 6 2            | 3 3            | 2 ..           | 1 ..         | .. ..       | 11 6                  | 29 10        |
| 7                 | Other form of Tuberculosis ..                              | .. ..     | .. ..         | .. ..          | .. 1           | .. ..      | .. 1                  | 1 1            | 1 ..           | .. ..          | .. ..        | .. ..       | 2 1                   | 2 2          |
| 8                 | Syphilitic Diseases .....                                  | 1 ..      | .. ..         | .. ..          | .. ..          | 1 ..       | 2 ..                  | .. ..          | .. ..          | 1 1            | .. ..        | .. ..       | 1 1                   | 3 1          |
| 9                 | Influenza .....                                            | .. ..     | 2 ..          | .. ..          | 3 2            | .. ..      | 5 2                   | 1 ..           | .. ..          | .. ..          | 1 ..         | .. ..       | .. 2                  | 5 4          |
| 10                | Measles .....                                              | .. ..     | .. ..         | .. ..          | .. ..          | .. ..      | .. ..                 | .. ..          | .. ..          | .. ..          | .. ..        | .. ..       | .. ..                 | .. ..        |
| 12                | Acute inf. encephalitis .....                              | .. ..     | .. ..         | .. ..          | .. ..          | .. ..      | .. ..                 | .. ..          | 1 ..           | .. ..          | .. ..        | .. ..       | .. 1                  | .. 1         |
| 13                | Cancer of buccal cavity, oesophagus (M), uterus (F) ..     | 1 ..      | .. ..         | 1 ..           | .. ..          | 1 ..       | 1 2                   | 2 ..           | .. ..          | 1 ..           | .. ..        | .. ..       | 3 ..                  | 4 2          |
| 14                | Cancer of Stomach and duodenum .....                       | 1 ..      | 2 ..          | .. ..          | 1 3            | 1 ..       | 3 5                   | 6 ..           | 2 3            | 1 ..           | 1 1          | 1 ..        | 11 4                  | 14 9         |
| 15                | Cancer of Breast .....                                     | .. ..     | 2 ..          | .. ..          | .. ..          | .. ..      | 2 ..                  | 4 ..           | .. 1           | .. 1           | .. 1         | .. ..       | .. 7                  | .. 9         |
| 16                | Cancer of all other Sites .....                            | .. ..     | 1 2           | 4 ..           | 4 3            | 4 2        | 13 7                  | 3 5            | 6 1            | 1 2            | 1 ..         | .. ..       | 11 8                  | 24 15        |
| 17                | Diabetes .....                                             | .. ..     | .. ..         | .. ..          | .. 1           | .. ..      | .. 1                  | .. ..          | 1 1            | .. ..          | 1 ..         | .. ..       | 2 1                   | 2 2          |
| 18                | Intra cranial vascular lesions ..                          | .. ..     | 1 2           | 2 4            | 4 7            | 3 4        | 10 17                 | 4 10           | 4 11           | 3 7            | 2 1          | .. ..       | 13 29                 | 23 46        |
| 19                | Heart Diseases .....                                       | 4 1       | 5 4           | 7 3            | 11 11          | 4 9        | 31 28                 | 19 11          | 9 21           | 12 7           | 5 5          | .. 3        | 45 47                 | 76 75        |
| 20                | Other diseases of circulatory system ..                    | .. ..     | 1 1           | 1 1            | 1 2            | .. 1       | 3 5                   | 1 ..           | 2 2            | .. 1           | 3 1          | .. ..       | 6 4                   | 9 9          |
| 21                | Bronchitis .....                                           | .. ..     | 3 ..          | 1 ..           | 4 2            | 1 2        | 6 7                   | 1 3            | 2 2            | .. 3           | 3 ..         | .. ..       | 6 8                   | 12 15        |
| 22                | Pneumonia .....                                            | .. ..     | .. ..         | .. ..          | 4 1            | 1 ..       | 5 1                   | 3 ..           | .. 3           | .. ..          | 1 ..         | .. ..       | 4 3                   | 9 4          |
| 23                | Other Respiratory Diseases ..                              | 1 ..      | 2 1           | 1 ..           | 1 ..           | 1 1        | 6 2                   | 4 2            | 2 1            | .. ..          | .. ..        | .. ..       | 6 3                   | 12 5         |
| 24                | Ulcer of stomach or d'denum ..                             | .. ..     | .. ..         | 1 ..           | 2 ..           | .. ..      | 3 ..                  | .. ..          | 1 ..           | 1 ..           | .. ..        | .. ..       | 2 ..                  | 5 ..         |
| 25                | Diarrhoea under 2 years ..                                 | .. ..     | .. ..         | 1 ..           | 2 ..           | .. ..      | 2 1                   | .. ..          | .. ..          | .. ..          | .. ..        | .. ..       | .. ..                 | .. ..        |
| 26                | Appendicitis .....                                         | .. ..     | .. ..         | .. ..          | .. ..          | .. ..      | .. ..                 | 1 ..           | .. ..          | .. ..          | .. ..        | .. ..       | 1 ..                  | 2 1          |
| 27                | Other digestive diseases ..                                | .. ..     | 1 ..          | .. 1           | 2 4            | .. ..      | 3 5                   | 2 1            | 2 1            | 2 1            | .. 1         | .. ..       | 6 4                   | 9 9          |
| 28                | Nephritis .....                                            | 2 ..      | 1 1           | .. 1           | 2 2            | 1 1        | 4 7                   | 2 3            | 3 ..           | 2 1            | .. 1         | .. ..       | 7 5                   | 11 12        |
| 29                | Puerperal and post abortion sepsis ..                      | .. ..     | .. ..         | .. ..          | .. ..          | .. ..      | .. ..                 | .. ..          | .. ..          | .. ..          | .. ..        | .. ..       | .. ..                 | .. ..        |
| 30                | Other maternal causes .....                                | .. ..     | .. ..         | .. ..          | .. 2           | .. ..      | .. 2                  | .. ..          | .. ..          | .. ..          | .. ..        | .. ..       | .. ..                 | .. 2         |
| 31                | Premature Birth .....                                      | .. ..     | .. ..         | 1 ..           | 1 ..           | .. ..      | 2 ..                  | 2 ..           | 2 ..           | 2 ..           | 1 ..         | .. ..       | 7 ..                  | 9 ..         |
| 32                | Congenital malformations, birth injuries, inf. diseases .. | .. ..     | .. ..         | .. 1           | 1 2            | .. 1       | 1 4                   | .. 2           | 2 1            | 1 1            | .. 1         | .. ..       | 3 5                   | 4 9          |
| 33                | Suicide .....                                              | .. ..     | .. ..         | .. ..          | .. ..          | .. ..      | .. ..                 | .. ..          | .. ..          | .. ..          | .. ..        | .. ..       | .. ..                 | .. ..        |
| 34                | Road Traffic Accidents .....                               | .. ..     | .. ..         | .. ..          | .. ..          | .. 1       | .. 1                  | .. ..          | .. ..          | 1 ..           | .. ..        | .. ..       | 1 ..                  | 1 1          |
| 35                | Other violent causes .....                                 | 1 ..      | 1 1           | 1 ..           | 2 ..           | .. 1       | 4 3                   | 2 ..           | .. ..          | 2 1            | 2 ..         | .. ..       | 6 1                   | 10 4         |
| 36                | All other causes .....                                     | 2 ..      | .. ..         | 1 ..           | .. 3           | 4 5        | 7 8                   | 2 5            | 5 8            | 2 4            | .. 2         | 1 ..        | 10 19                 | 17 27        |



## URBAN DISTRICTS

## —TABLE XXXI. —

## RURAL DISTRICTS

Showing the ages at death from the several causes in Urban and Rural Districts

| No. in R.G. List | CAUSES OF DEATH                                              | All ages | Under 1 year | 1 to 5 years | 5 to 15 years | 15 to 45 years | 45 to 65 years | 65 and over | All ages | under 1 year | 1 under 5 years | 5 to 15 years | 15 to 45 years | 45 to 65 years | 65 and upwards |
|------------------|--------------------------------------------------------------|----------|--------------|--------------|---------------|----------------|----------------|-------------|----------|--------------|-----------------|---------------|----------------|----------------|----------------|
|                  |                                                              | M F      | M F          | M F          | M F           | M F            | M F            | M F         | M F      | M F          | M F             | M F           | M F            | M F            | M F            |
| 2                | ALL AGES.....                                                | 129 115  | 8 4          | 3 ..         | — 2           | 12 10          | 43 20          | 63 79       | 164 159  | 12 8         | 2 —             | 3 2           | 15 11          | 31 28          | 101 110        |
| 3                | Cerebro Spinal Fever .....                                   | .. ..    | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | .. ..       | .. ..    | .. ..        | .. ..           | .. ..         | .. ..          | .. ..          | .. ..          |
| 4                | Scarlet Fever .....                                          | .. ..    | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | .. ..       | .. ..    | .. ..        | .. ..           | .. ..         | .. ..          | .. ..          | .. ..          |
| 5                | Whooping Cough.....                                          | .. ..    | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | .. ..       | .. ..    | .. ..        | .. ..           | .. ..         | .. ..          | .. ..          | .. ..          |
| 6                | Diphtheria .....                                             | .. ..    | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | .. ..       | .. ..    | .. ..        | .. ..           | .. ..         | .. ..          | .. ..          | .. ..          |
| 7                | Tb. of respiratory System ..                                 | 18 4     | .. ..        | .. ..        | .. ..         | 4 3            | 12 1           | 2 ..        | 11 6     | .. ..        | .. ..           | .. ..         | 6 4            | 2 1            | 3 ..           |
| 8                | Other forms of tuberculosis ..                               | .. 1     | .. ..        | .. ..        | .. 1          | .. ..          | .. ..          | .. ..       | 2 1      | .. ..        | .. ..           | .. ..         | 1 1            | .. ..          | .. ..          |
| 9                | Syphilitic Diseases .....                                    | 2 ..     | .. ..        | .. ..        | .. ..         | .. ..          | 2 ..           | .. ..       | 1 1      | .. ..        | .. ..           | .. ..         | .. ..          | 1 1            | .. ..          |
| 10               | Influenza .....                                              | 5 2      | .. ..        | .. ..        | .. ..         | .. ..          | 3 1            | 2 1         | .. 2     | .. ..        | .. ..           | .. ..         | .. ..          | .. ..          | .. 2           |
| 11               | Measles .....                                                | .. ..    | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | .. ..       | .. 1     | .. ..        | .. ..           | .. ..         | .. ..          | .. ..          | .. ..          |
| 12               | Acute inf. encephalitis ..                                   | .. ..    | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | .. ..       | .. 1     | .. ..        | .. ..           | .. ..         | .. ..          | .. ..          | .. 1           |
| 13               | Cancer of buccal cavity :<br>oesophagus (M), uterus (F)      | 1 2      | .. ..        | .. ..        | .. ..         | .. ..          | .. 1           | 1 1         | 3 ..     | .. ..        | .. ..           | .. ..         | .. ..          | .. ..          | 3 ..           |
| 14               | Cancer of stomach & d'denum                                  | 3 5      | .. ..        | .. ..        | .. ..         | .. ..          | 1 ..           | 2 5         | 11 4     | .. ..        | .. ..           | .. ..         | .. ..          | 5 ..           | 6 4            |
| 15               | Cancer of Breast .....                                       | .. 2     | .. ..        | .. ..        | .. ..         | .. ..          | .. 2           | .. ..       | .. 7     | .. ..        | .. ..           | .. ..         | .. ..          | .. 6           | .. 1           |
| 16               | Cancer of all other sites ..                                 | 13 7     | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | .. ..       | .. 8     | .. ..        | .. ..           | .. ..         | .. ..          | 4 4            | 7 4            |
| 17               | Diabetes .....                                               | .. 1     | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | .. 1        | 2 1      | .. ..        | .. ..           | .. ..         | 1 ..           | .. ..          | 1 1            |
| 18               | Intra cranial vascular lesions                               | 10 17    | .. ..        | .. ..        | .. ..         | 1 ..           | 1 3            | 8 14        | 13 29    | .. ..        | .. ..           | .. ..         | .. 1           | .. 3           | 13 25          |
| 19               | Heart Diseases.....                                          | 31 28    | .. ..        | .. ..        | .. ..         | 1 2            | 6 2            | 24 24       | 45 47    | .. ..        | .. ..           | .. ..         | 2 1            | 9 7            | 34 39          |
| 20               | Other diseases of circulatory<br>system .....                | 3 5      | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | 3 5         | 6 4      | .. ..        | .. ..           | .. ..         | .. ..          | .. 2           | 6 2            |
| 21               | Bronchitis .....                                             | 6 7      | 2 ..         | 1 ..         | .. ..         | .. ..          | 2 ..           | 1 7         | 6 8      | .. ..        | .. ..           | .. ..         | .. ..          | 1 ..           | 5 8            |
| 22               | Pneumonia .....                                              | 5 1      | .. ..        | 1 ..         | .. ..         | .. ..          | 2 1            | 2 ..        | 4 3      | .. 1         | 1 ..            | .. ..         | .. ..          | .. ..          | 3 2            |
| 23               | Other respiratory diseases ..                                | 6 2      | .. ..        | .. ..        | .. ..         | 1 ..           | 3 ..           | 3 1         | 6 3      | .. ..        | .. ..           | .. ..         | 1 ..           | 3 1            | 3 1            |
| 24               | Ulcer of stomach or d'denum                                  | 3 0      | .. ..        | .. ..        | .. ..         | 2 ..           | 1 ..           | .. ..       | 2 ..     | .. ..        | .. ..           | .. ..         | 1 ..           | 1 ..           | .. ..          |
| 25               | Diarrhoea under 2 years ..                                   | 2 1      | 2 1          | .. ..        | .. ..         | .. ..          | .. ..          | .. ..       | .. ..    | .. ..        | .. ..           | .. ..         | .. ..          | .. ..          | .. ..          |
| 26               | Appendicitis .....                                           | .. ..    | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | .. ..       | 1 ..     | .. ..        | .. ..           | 1 ..          | .. ..          | .. ..          | .. ..          |
| 27               | Other digestive diseases ..                                  | 3 5      | .. ..        | .. ..        | .. ..         | 1 ..           | .. ..          | 3 ..        | 6 4      | 2 ..         | .. ..           | 1 ..          | .. 1           | .. 2           | 3 1            |
| 28               | Nephritis .....                                              | 4 7      | .. ..        | .. ..        | .. ..         | .. ..          | 2 1            | 2 6         | 7 5      | .. ..        | .. ..           | .. ..         | 1 1            | 1 ..           | 5 4            |
| 29               | Puerperal & post abort'n sepsis                              | .. ..    | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | .. ..       | .. ..    | .. ..        | .. ..           | .. ..         | .. ..          | .. ..          | .. ..          |
| 30               | Other maternal causes .....                                  | .. 2     | .. ..        | .. ..        | .. ..         | .. 2           | .. ..          | .. ..       | .. ..    | .. ..        | .. ..           | .. ..         | .. ..          | .. ..          | .. ..          |
| 31               | Premature Birth .....                                        | 2 ..     | 2 ..         | .. ..        | .. ..         | .. ..          | .. ..          | .. ..       | 7 ..     | 7 ..         | .. ..           | .. ..         | .. ..          | .. ..          | .. ..          |
| 32               | Congenital malformations,<br>birth injuries, infant diseases | 1 4      | 1 3          | .. ..        | .. ..         | .. ..          | 1 ..           | .. ..       | 3 5      | 2 5          | .. ..           | .. ..         | .. ..          | 1 ..           | .. ..          |
| 33               | Suicide .....                                                | .. ..    | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | .. ..       | .. ..    | .. ..        | .. ..           | .. ..         | .. ..          | .. ..          | .. ..          |
| 34               | Road traffic accidents .....                                 | .. 1     | .. ..        | .. ..        | .. ..         | .. ..          | .. ..          | .. 1        | 1 ..     | .. ..        | .. ..           | .. ..         | 1 ..           | .. ..          | .. ..          |
| 35               | Other violent causes .....                                   | 4 3      | 1 ..         | .. ..        | .. ..         | 1 ..           | 2 ..           | .. 3        | 6 1      | 1 ..         | .. ..           | .. ..         | 1 1            | 2 ..           | 2 ..           |
| 36               | All other causes .....                                       | 7 8      | .. ..        | 1 ..         | 1 ..          | 1 ..           | 1 ..           | 6 5         | 10 19    | .. 2         | .. ..           | 1 1           | 1 ..           | 1 1            | 7 15           |

| Year | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |      |