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CARMARTHENSHIRE COUNTY COUNCIL.

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# ANNUAL REPORT

OF THE

County Medical Officer  
of Health

FOR THE YEAR 1944.

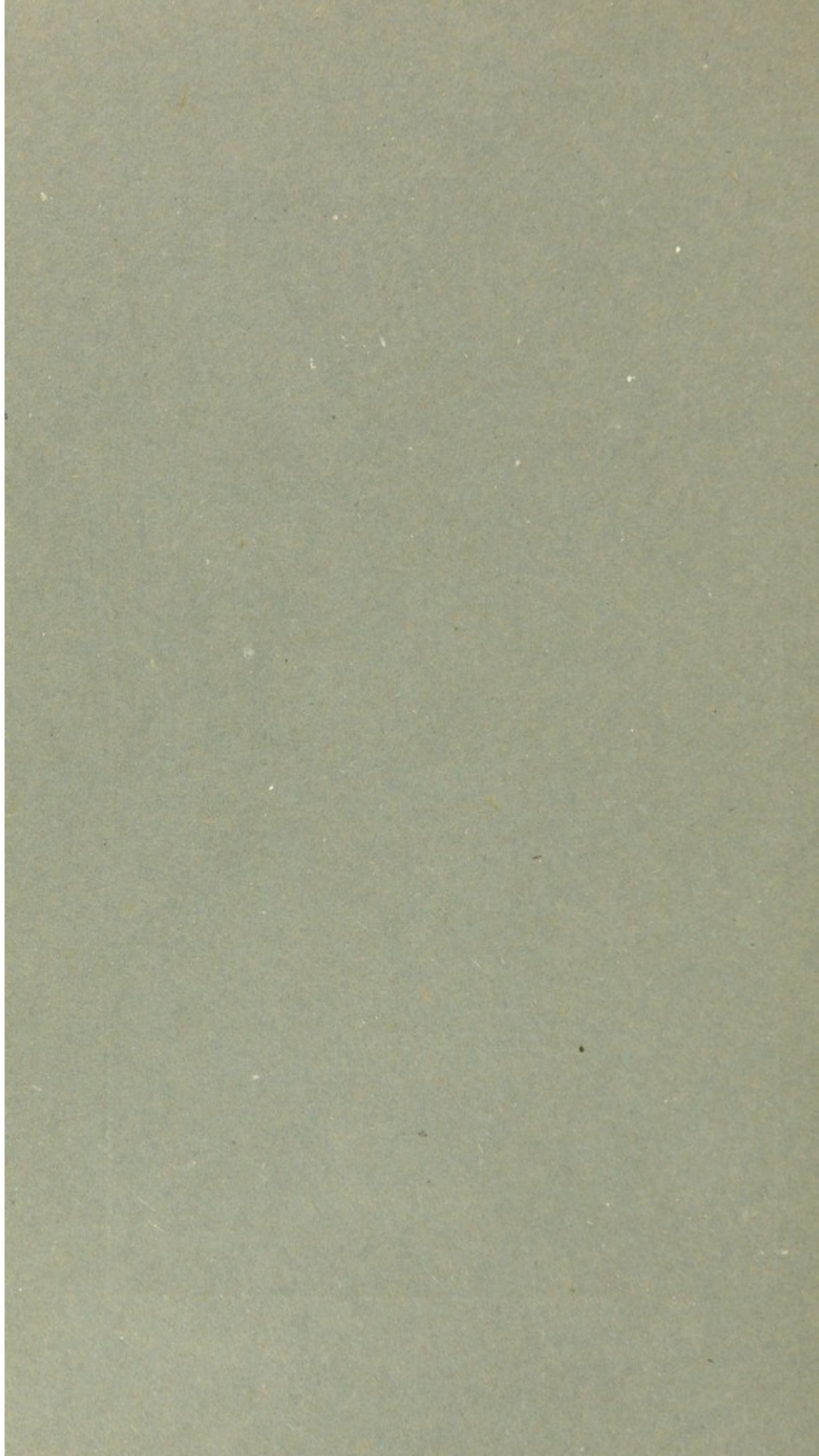
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WILLIAM M. LLOYD,

M.B., Ch.B., D.P.H.

"Mercury," Llanelli.





CARMARTHENSHIRE COUNTY COUNCIL.

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ANNUAL REPORT

1903-1904

OF THE

COMMISSIONER

OF THE LANDS

AND MINES

OF THE

STATE OF

Public Health Department,

Shire Hall,

Carmarthen.

To the Chairman and Members of the Carmarthenshire  
County Council.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to submit my eighth Annual Report on the Health Services and the state of the Public Health of Carmarthenshire for the year 1944.

The following is a brief summary of the principal vital statistics for 1944 :—

|   |        |
|---|--------|
| Area of County in acres .....   | 588472 |
| Population at 1931 Census .....   | 179100 |
| Estimated population in mid-year .....                                    | 164490 |
| Nett Births (live) .....  | 2924   |
| Birth rate for the County per 1000 population .....                       | 17.7   |
| Birth rate for England and Wales per 1000 population .....                | 17.6   |
| Number of deaths in County .....  | 2123   |
| Death rate for County per 1000 population.....                            | 12.9   |
| Death rate for England and Wales per 1000 population .....                | 11.6   |
| Infant Mortality rate per 1000 live births in County.....                 | 47.1   |
| Infant Mortality rate per 1000 live births for England<br>and Wales ..... | 46.0   |
| Number of Deaths from Heart Disease .....                                 | 461    |
| Death rate from Heart Disease for the County per 1000<br>population ..... | 2.8    |
| Number of Deaths from Cancer .....  | 302    |
| Death rate from Cancer for the County per 1000<br>population .....        | 1.8    |
| Number of Deaths from Tuberculosis (all forms) .....                      | 133    |
| Death rate from Tuberculosis for the County per 1000<br>population .....  | .80    |
| Death rate of Mothers during childbirth (per 1000 total<br>births) .....  | 3.9    |

I wish to thank the Chairman, Vice-Chairman and Members of the Public Health and Maternity and Child Welfare Committee for their interest and support during the year. I also desire to express my appreciation of the work of my Clerical Staff.

I am,

Your obedient Servant,

WILLIAM M. LLOYD,

*County Medical Officer.*



## Public Health Staff.

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|  |   |
|--|---|
| <i>County Medical Officer of Health<br/>and Chief School Medical Officer</i> | Dr. William M. Lloyd, M.B.,<br>Ch.B., D.P.H.  |
| <i>Deputy County Medical Officer<br/>of Health</i> .....                     | Dr. Rees Evans, B.Sc., M.D., D.P.H.<br><br>Commenced duties : 6th January, 1941.  |
| <i>Assistant School Medical Officers.</i>                                    | Dr. Gladys M. Herbert, M.R.C.S.,<br>L.R.C.P., D.P.H.<br><br>Dr. E. T. Davies Humphreys,<br>M.R.C.S., L.R.C.P. (Temporary).  |
| <i>Ophthalmic Surgeons (part-time).</i>                                      | Mr. J. J. Healy, M.B., Ch.B.<br>Mr. E. K. Roy Thomas, F.R.C.S.E.  |
| <i>Ear, Nose and Throat Surgeons<br/>(part-time)</i> .....                   | Mr. T. I. Williams, F.R.C.S.E.<br>Mr. C. P. Robinson, M.Ch.,<br>F.R.C.S.E.<br><br>Mr. J. Crowther, F.R.C.S.E.<br>Mr. H. H. Mathias, F.R.C.S.  |
| <i>Orthopaedic Surgeon (part-time).....</i>                                  | Mr. A. O. Parker, M.D., C.M.  |
| <i>Obstetric Consultant</i> .....  | Mr. J. Lloyd Davies, M.D.,<br>M.R.C.P., F.R.C.S.E.  |
| <i>Consultant in Plastic Surgery<br/>(Cleft Palate, Hare Lip, etc.)</i>      | Mr. T. Pomfret Kilner, F.R.C.S.   |
| <i>Medical Superintendent at County<br/>Isolation Hospital.</i>              | Dr. Rees Evans, B.Sc., M.D.,<br>D.P.H.  |
| <i>Matron to County Isolation<br/>Hospital.</i>                              | Miss B. E. Coward, S.R.N., R.F.N.   |
| <i>Senior Dental Officer</i> .....   | Mr. G. Ungood Griffiths, L.D.S.,<br>R.C.S.  |
| <i>Assistant Dental Officers</i> .....                                       | Mr. F. G. Day.<br>Mr. J. R. Jones.<br>Commenced temporary duties :<br>24th March, 1941.<br><br>W. U. Auerbach, M.D. (Berlin)<br>Commenced duties (Temporary) :<br>20th April, 1942. |

|  |  |
|--|--|
| <i>Orthopaedic Sisters—Senior</i> .....              | Miss E. R. Buckley, C.S.M.M.G.<br>Senior as from 1st August, 1940.                                   |
| <i>Orthopaedic Sisters—Assistant</i> .....           | Miss V. Owen, C.S.M.M.G.<br>Commenced duties : 1st April, 1941.<br>Ceased duties : 31st March, 1943. |
| <i>Supervisor of Nurses and Mid-<br/>wives</i> ..... | Miss L. G. Newcomb, S.R.N.,<br>S.C.M.  |
| <i>County Analyst</i> .....                          | Mr. H. J. Evans, B.Sc., F.I.C.,<br>F.C.S.  |
| <i>Bacteriologists</i> .....                         | Dr. A. F. Sladden, M.D.<br>Emergency Public Health Laboratory<br>Service.                            |



## HEALTH VISITORS.

## Whole-Time.

| District.              | Nurse.               |
|------------------------|----------------------|
| Amman Valley .....     | Nurse R. A. Roberts. |
| Ammanford .....        | " A. Howells.        |
| Trimsaran .....        | " H. E. James.       |
| Burry Port .....       | " F. M. Williams.    |
| Llanelly Rural .....   | " M. Jones.          |
| St. Clears .....       | " C. F. Isaacs.      |
| Carmarthen Rural ..... | " E. G. Davies.      |

## Part-Time.

| District.                      | Nurse.               |
|--------------------------------|----------------------|
| Drefach .....                  | Nurse E. Sprague.    |
| Llangendeirne .....            | " M. E. John.        |
| Abergwili .....                | " M. F. Davies.      |
| Llanegwad .....                | " H. Morgan.         |
| Llangathen .....               | " E. Evans.          |
| Llanfihangel-Aberbythich ..... | " B. Davies.         |
| Llandilo .....                 | " E. Williams.       |
| Llandilo South .....           | " E. A. Davies.      |
| Llansawel .....                | " A. Harris.         |
| Talley .....                   | " J. Evans.          |
| Llanfynydd .....               | " E. A. Jones.       |
| Llandovery .....               | " M. David.          |
| Cilycwm .....                  | " E. G. Cox.         |
| Caio .....                     | " E. A. Rees.        |
| Llangadock .....               | " C. Jones.          |
| Llansadwrn and Llanwrda .....  | " M. Preece.         |
| Newcastle Emlyn .....          | " V. James-Jones.    |
| Velindre .....                 | " M. Adams.          |
| Ferryside .....                | " M. M. T. Richards. |
| Llanstephan .....              | " E. Jones.          |
| Whitland .....                 | " M. Owen.           |
| Llandilo North .....           | " E. J. Hughes.      |
| Llangunnor .....               | " K. E. Critchley.   |
| Duffryn Taf .....              | " S. F. Riley.       |
| Felinfoel .....                | " A. R. Harries.     |
| Pontyates .....                | " M. B. Harries.     |
| Gorslas and Cefneithin .....   | " A. A. Jones.       |
| Saron—Ammanford .....          | " M. L. James.       |
| Tycroes .....                  | " M. Williams.       |
| Tumble .....                   | " H. E. A. Ratford.  |
| Dafen .....                    | " E. M. Jones.       |
| Pencader .....                 | " E. Jenkins.        |
| Llanybyther .....              | " D. Jones.          |
| Kidwelly .....                 | " G. M. Thomas.      |
| Pontyberem .....               | " O. Evans.          |
| Penygroes .....                | " G. M. Thomas.      |
| Llandeibie .....               | " C. Alewood.        |

## SANITARY DISTRICTS AND OFFICERS.

| Name of District. | Medical Officer of Health.                                | Whole time or Part time. | Sanitary Inspector.   | Whole time or Part time.         | Whether holding R. S. Institute Certificate.  |
|-------------------|---|--------------------------|---|----------------------------------|---|
| <b>URBAN.</b>     |   |                          |   |                                  |   |
| Llanelli          | Dr. L. W. Pole  | Whole time.              | Richard Evans<br>John E. Marks<br>Ivor Reynold Rees<br>John James Nener | Whole time.<br>Do.<br>Do.<br>Do. | Yes and Meat Certificate.<br>Yes.<br>Yes.<br>Yes.                                   |
| Carmarthen        | Dr. Elfyn T. Jones  | Do.                      | E. W. Francis   | Do.                              | Yes.  |
| Llandilo          | Dr. I. King Thomas  | Part time.               | Leslie Vivian   | Part time.                       | Yes.  |
| Llandovery        | Dr. J. T. Price   | Do.                      | Evan Williams   | Do.                              | No ; appointed in 1902.   |
| Kidwelly          | Dr. D. Beynon Davies                                      | Do.                      | J. E. Vaughan Evans   | Do.                              | Yes.  |
| Newcastle-Emllyn  | Dr. J. Penry  | Do.                      | W. J. Griffiths   | Do.                              | Yes.  |
| Ammanford         | Dr. R. A. McMillan  | Do.                      | L. Sunderland   | Whole time.                      | Yes.  |
| Burry Port        | Dr. W. D. Williams  | Do.                      | J. E. Vaughan Evans   | Part time.                       | Yes.  |
| Cwmnaman          | Dr. John Davies   | Do.                      | J. Owen Parry   | Do.                              | Yes.  |
| <b>RURAL.</b>     |   |                          |   |                                  |   |
| Llanelli          | Dr. D. C. Evans   | Do.                      | T. M. Griffiths<br>D. E. Jones<br>D. I. Treharne<br>T. J. Bibbs         | Whole time.<br>Do.<br>Do.<br>Do. | Yes.<br>Yes and Meat Certificate.<br>Yes.<br>Yes.                                   |
| Carmarthen        | Dr. Elfyn T. Jones  | Whole time.              | W. Williams<br>W. E. Jones<br>H. E. Williams                            | Do.<br>Do.<br>Do.                | Yes and Meat Certificate.<br>Yes and Meat Certificate.<br>Yes and Meat Certificate. |
| Llandilo-fawr     | Dr. I. King Thomas<br>Dr. W. T. Lawson<br>Dr. M. J. Evans | Part time.<br>Do.<br>Do. | David Owen<br>Evan Williams<br>R. P. Walters                            | Do.<br>Part time.<br>Whole time. | Yes.<br>No ; appointed in 1902.<br>Yes.   |
| Newcastle-Emllyn  | Dr. E. Evans  | Do.                      |   |                                  |   |



## GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

### (1) Hospitals—Public and Voluntary.

1.—*Infectious Diseases*.—The number of beds available in the County for cases of infectious diseases other than smallpox is as follows :—

|   |                |
|---|----------------|
| County Isolation Hospital .....   | 44             |
| Penygroes Emergency Isolation Hospital (opened<br>November, 1940) ..... | 30             |
|   | <hr/> 74 <hr/> |

2.—*Smallpox*.—No provision for a smallpox hospital has been made by the Council.

3.—*For Tuberculosis*.—Institutional treatment of tuberculosis is carried out in the sanatoria and hospitals of the Welsh National Memorial Association.

4.—*For Venereal Diseases*.—The Council have arrangements for in-patient treatment of patients with Venereal diseases at the Swansea General and Eye Hospital.

5.—*For Maternity Cases*.—Sixteen beds for maternity cases were allocated at the County Infirmary, Carmarthen, for the use of County Council cases during 1942 and 1943. Cases of puerperal sepsis are treated at the County Isolation Hospital. There are also five beds available in the Public Assistance Institutions of the County for Maternity cases. Eleven Beds at the Amman Valley Hospital were taken over mainly for Evacuee Maternity cases in November, 1940.

6.—*For Cases of Tonsils and Adenoids, Polypi, Deviated Nasal Septum, Mastoid Disease and other Nasal, Antral and Sinus Conditions*.—The Council have arrangements with the Carmarthen Infirmary, Llandovery Cottage Hospital, Goring Road Nursing Home, Llanelly, and Amman Valley Hospital, for the treatment of these conditions in pre-school and school children.

7.—*For Cleft Palate*.—Arrangements have been made for the treatment of cleft palate in pre-school and school children at the Lord Mayor Treloar Hospital, Alton, Hampshire, by Mr. T. Pomfret Kilner, F.R.C.S.

8.—*For Orthopaedic Cases*.—Institutional treatment of cripples up to the age of 16 years is carried out for the Council at the Prince of Wales Hospital, Cardiff, and at the country branch of the hospital at Crossways, Cowbridge.

9.—*For Mental Cases*.—Mental cases from the County are admitted to the Joint Counties Mental Hospital, Carmarthen.

10.—Beds for Sick, Maternity and Mental Cases are available in the Public Assistance Institutions at Carmarthen, Llanelly and Llandilo.



## (2) Treatment Centres and Clinics.

1.—*Infant Welfare Centre*.—There are twenty-two in number, viz., Ammanford, Brynamman, Burry Port, Cwmamman, Llandovery, Llwynhendy, Pwll, Furnace, Gorslas, Tumble, Pontyberem, Ystradowen, Penygroes, Llandilo, Ffairfach, Trimsaran, Kidwelly, Whitland, Llanstephan, Llangennech, Newcastle Emlyn and Llandeibie.

There are in addition two contributory centres supported by joint authorities, viz., one at Pontardulais and the other at Henllan.

2.—*Orthopaedic Clinics*.—There are fifteen orthopaedic clinics, viz., at Llanelly, Ammanford, Garnant, Brynamman, Llandeibie, Tumble, Pontyberem, Llandilo, Llandovery, Pencader, St. Clears, Carmarthen, Trimsaran, Burry Port, Halfway.

These are visited weekly or fortnightly by the two Orthopaedic Sisters employed by the Council. Mr. Parker, the Council's part-time Orthopaedic Surgeon, visits the County six times a year, and attends at the three Central Clinics, viz., at Carmarthen, Llanelly, and Ammanford.

3.—*Eye Clinics*.—There are four Eye Clinics, viz., at Carmarthen, Llanelly, Ammanford and Lampeter. Pre-school and school children and cases under the Blind Persons Act are examined at these clinics as occasion arises by the two part-time Ophthalmic Surgeons.

4.—*Ear, Nose and Throat Clinics*.—Pre-school and school children suffering from any ear, nose and throat condition requiring specialist advice are examined under arrangements made by the Council at Llandovery Cottage Hospital, Carmarthen Infirmary, Goring Road Nursing Home, Llanelly, and the Amman Valley Hospital.

5.—*Dental Clinics*.—The School Dental Officers carry out their work at the schools.

6.—*Tuberculosis*.—Consultations are carried out at the Dispensaries of the Welsh National Memorial Association.

7.—*Venereal Diseases Centre*.—Clinics for County cases are held at the Swansea General and Eye Hospital.

## (3) Laboratory Facilities.

The Council have arrangements with :—

(a) The Medical Research Council's Public Health Laboratory, Wellfield Road, Carmarthen. This Laboratory was established in 1940 and very extensive use has been made of the facilities provided, particularly for the Bacteriological examination of specimens from cases of infectious diseases. I wish to record my sincere appreciation of the work carried out in this connection by Dr. Fry and Dr. Boissard, and of their valued



assistance and advice in the investigation of cases of infectious diseases. The diagnosis and investigation of infections, and the administrative measures taken for the prevention of spread of infection can never be complete without the facilities of a properly staffed and equipped Laboratory, and these facilities are greatly enhanced when the accessibility of the Laboratory allows of ready consultation between bacteriologist and medical officer of health or general practitioner. It is my sincere hope that the Medical Research Council's Laboratory at Carmarthen will remain a permanent institution after the war, so that Carmarthenshire and its neighbouring Counties will continue to reap the advantages of facilities which before the war were the prerogative of the large and wealthy cities and county boroughs.

(b) Beck Laboratory, Swansea General and Eye Hospital, under the direction of Dr. Sladden. Bacteriological specimens, especially in connection with Venereal Diseases, are also examined for the County at this Laboratory.

(c) Bacteriological Laboratory of the University College of Wales at Aberystwyth. Examination of milk samples taken in the County is undertaken at this Laboratory.

(d) Welsh National Memorial Association—undertakes the examination of Sputa and other specimens for tubercle bacilli.

#### **(4) Motor Ambulance Transport Service.**

The facilities of transport provided are the following :—

##### **(1) Infectious Diseases :**

County Council Ambulance stationed at the County Isolation Hospital.

##### **(2) Non-Infectious Diseases :**

(a) Red Cross Ambulance stationed at Llandovery.

(b) Five St. John's Ambulances, of which two are stationed in Ammanford and one each in Llanelly, Trimsaran and Tumble.

(c) St. John's Ambulances stationed in West Glamorgan serving Carmarthenshire areas; these are stationed at Cwmllynfell, Gowerton, Gwaun-cae-Gurwen, Pontardulais and Clydach.

#### **(5) Nursing in the Home.**

This is carried out by District Nursing Associations. There are forty-eight District Nursing Associations affiliated to the County Nursing Association, and these forty-eight Associations employ a total of fifty-three Nurses distributed as follows :—

7 Associations employ 8 Queen's Nurses.

21 Associations employ 25 State Registered Nurses.

20 Associations employ 20 Village Nurse Midwives.



Of the fifty-three district Nurses, fifty-two act as Midwives in addition to district nursing, and thirty-seven undertake part-time school nursing and health visiting. Visits are paid to tubercular cases when notified by the Tuberculosis Physicians, while attendances are made at Tuberculosis Dispensaries when required. A report of the work done is submitted quarterly to the Tuberculosis Medical Officer.

In addition to the affiliated Associations there are two District Nursing Associations working independently, viz., the Llanelly District Nursing Association, which undertakes midwifery practice mainly, and the Burry Port District Nursing Association, which employs one Nurse to carry out District Nursing only.

### GENERAL STATISTICS.

#### Area.

The Administrative County, which has an area of 588,472 acres, is the largest in Wales. It is divided into four Municipal Boroughs, viz., Llanelly, Carmarthen, Kidwelly and Llandovery; five Urban Districts, viz., Llandilo, Newcastle Emlyn, Ammanford, Burry Port and Cwmamman; four Rural Districts, viz., Llanelly, Carmarthen, Llandilo and Newcastle Emlyn.

#### Population.

At first Census : 1801—67,317.  
 1901—135,328—increase of 101% over 1801.  
 1911—160,406—increase of 18.5% over 1901.  
 1921—175,073—increase of 9.1% over 1911.  
 1931—179,100—increase of 2.3% over 1921.

Estimated Mid-  
 year Populations { 1942—172,180.  
 1943—165,810.  
 1944—164,490.

#### Births.

The number of births and stillbirths in the County in 1944 were :—

| Year. | Sex.        | Live Births. |               |        | Stillbirths. |        |        |
|-------|-------------|--------------|---------------|--------|--------------|--------|--------|
|       |             | Legitimate.  | Illegitimate. | Total. | Leg.         | Illeg. | Total. |
| 1944  | M.          | 1378         | 77            | 1455   | 42           | 3      | 45     |
|       | F.          | 1369         | 100           | 1469   | 29           | 6      | 35     |
|       | Total ..... | 2747         | 177           | 2924   | 71           | 9      | 80     |

The birth rate for the County per 1,000 population was 17.7 in 1944. The corresponding figure for England and Wales was 17.6.

The 80 stillbirths in 1944 give a rate per 1,000 total births (live and still-) of 26.6.



**Deaths.**

The number of civilian deaths which occurred in the County in 1944 are tabulated below, with the death rates per 1,000 population :—

| Year. | Urban. |       | Rural. |       | County. |       | Death Rate for England and Wales. |
|-------|--------|-------|--------|-------|---------|-------|-----------------------------------|
|       | No.    | Rate. | No.    | Rate. | No.     | Rate. |                                   |
| 1939  | 876    | 12.05 | 1354   | 13.5  | 2230    | 12.9  | 12.1                              |
| 1940  | 966    | 13.2  | 1363   | 13.6  | 2329    | 13.4  | 14.3                              |
| 1941  | 946    | 12.6  | 1330   | 12.6  | 2276    | 12.6  | 12.9                              |
| 1942  | 875    | 12.1  | 1231   | 12.2  | 2106    | 12.2  | 11.6                              |
| 1943  | 883    | 12.8  | 1242   | 12.8  | 2125    | 12.8  | 12.1                              |
| 1944  | 864    | 12.7  | 1259   | 13.0  | 2123    | 12.9  | 11.6                              |

The chief causes of death during 1944 and the rates per 1,000 population compared with previous years were :—

| Cause of Death.                 | 1940 |       | 1941 |       | 1942 |       | 1943 |       | 1944 |       |
|---------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|
|                                 | No.  | Rate. | No.  | Rate. | No.  | Rate. | No.  | Rate. | No.  | Rate. |
| Heart Disease .....             | 465  | 2.7   | 477  | 2.6   | 453  | 2.6   | 476  | 2.8   | 461  | 2.8   |
| Cancer .....                    | 285  | 1.6   | 271  | 1.5   | 277  | 1.6   | 299  | 1.8   | 302  | 1.8   |
| Tuberculosis (all forms) .....  | 150  | .86   | 134  | .74   | 140  | .81   | 126  | .75   | 133  | .80   |
| Vascular Lesions of Brain ..... | 266  | 1.5   | 228  | 1.2   | 225  | 1.3   | 242  | 1.4   | 254  | 1.5   |
| Pneumonia .....                 | 86   | 0.5   | 99   | 0.5   | 75   | 0.4   | 96   | 0.5   | 74   | .45   |
| Bronchitis .....                | 158  | 0.9   | 159  | 0.7   | 119  | 0.6   | 139  | 0.8   | 119  | .7    |
| Influenza .....                 | 36   | 0.2   | 32   | 0.17  | 22   | 0.12  | 47   | 0.2   | 18   | .1    |

Deaths from the above causes constitute about 60% of the total deaths.

The senile mortality *i.e.* the number of deaths of persons over 65 years was 1,068 or 50% of the total deaths in 1944.

**Infant Mortality Rate.**

The number of deaths of infants under one year was 138 in 1944 giving an infant mortality rate per 1,000 live births of 47.1 in 1944. This compares with a rate of 46 for England and Wales in 1944.

### Maternal Mortality Rate.

In 1944 there were 12 maternal deaths, of which 5 were due to Sepsis ; the maternal mortality rate per 1,000 total births was 3.9 in 1944.

### CANCER.

The number of deaths from Cancer in the County in 1944 was 302 compared with 299 in 1943 ; the corresponding Cancer death rates were 1.8 and 1.8 per 1,000 population respectively. Cancer is the second highest cause of death, and deaths from this condition are considerably in excess of those from Tuberculosis or any other condition, with the exception of heart disease, which is the most frequent cause of death.

The following Table gives the number of deaths in the County for the last 10 years due to the three predominant causes of death, viz., Heart Disease, Cancer, and Tuberculosis :—

| Year. | Heart<br>Disease. | Cancer. | Tuberculosis,<br>All Forms. |
|-------|-------------------|---------|-----------------------------|
| 1935  | 504               | 244     | 169                         |
| 1936  | 584               | 277     | 193                         |
| 1937  | 548               | 254     | 148                         |
| 1938  | 522               | 239     | 122                         |
| 1939  | 607               | 258     | 111                         |
| 1940  | 465               | 285     | 150                         |
| 1941  | 477               | 271     | 134                         |
| 1942  | 453               | 277     | 140                         |
| 1943  | 476               | 299     | 126                         |
| 1944  | 461               | 302     | 133                         |

Deaths from Cancer are thus about  $1\frac{1}{2}$ — $2\frac{1}{4}$  times as many as those due to Tuberculosis.



The following are the causes of death from Cancer at various ages during 1944 :—

| Year. | Site of Cancer.      | All Ages. |     |     | Age Periods. |    |    |     |     |     |
|-------|----------------------|-----------|-----|-----|--------------|----|----|-----|-----|-----|
|       |                      | M.        | F.  | T.  | 0-           | 1- | 5- | 15- | 45- | 65- |
| 1944  | Mouth and Gullet     | 13        |     | 13  |              |    |    | 4   | 16  | 13  |
|       | Uterus               |           | 20  | 20  |              |    |    |     |     |     |
|       | Stomach and Duodenum | 41        | 37  | 78  |              |    |    | 1   | 39  | 38  |
|       | Breast               |           | 30  | 30  |              |    |    | 4   | 19  | 7   |
|       | All other sites      | 89        | 72  | 161 |              | 1  | 1  | 6   | 74  | 79  |
|       | Totals               | 143       | 159 | 302 |              | 1  | 1  | 15  | 148 | 137 |

### ACUTE INFECTIOUS DISEASES.

#### Isolation Hospitals.

These consist of—

(a) The County Isolation Hospital, Upper Tumble. This provides normally accommodation for 44 patients, the beds being distributed as follows :—

|   |      |    |
|---|------|----|
| Diphtheria Pavilion—2 large wards and 2 single bed wards..... | beds | 24 |
| Scarlet Fever Pavilion—2 large wards and 2 single bed wards   | beds | 12 |
| Cubicle Block—8 cubicles separated by glazed partitions ..... | beds | 8  |
| Total Beds .....  |      | 44 |

(b) Emergency Isolation Hospital, Penygroes.—This was opened on November 23rd, 1940, for Evacuee cases of Diphtheria and Scarlet Fever. It provides accommodation for 30 patients. In addition, temporary use of the Caretaker's Lodge at the County Isolation Hospital and increase of beds in the latter made available an additional 14 beds for peak periods.

## Incidence of Main Infectious Diseases.

| Disease.                | 1944                  |                       |               |
|-------------------------|-----------------------|-----------------------|---------------|
|                         | Total Cases Notified. | Admitted to Hospital. | Total Deaths. |
| Smallpox .....          | .....                 | .....                 | .....         |
| Scarlet Fever .....     | 335                   | 181                   | .....         |
| Diphtheria .....        | 72                    | 93                    | 3             |
| Enteric Fever .....     | 2                     | .....                 | .....         |
| Puerperal Pyrexia ..... | 31                    | 8                     | .....         |
| Pneumonia .....         | 148                   | 10                    | .....         |
| Measles .....           | 237                   | 21                    | .....         |
| Whooping Cough .....    | 613                   | 19                    | 2             |
| Erysipelas .....        | 20                    | 8                     | .....         |
| C.S. Meningitis .....   | 12                    | 11                    | 1             |

## VENEREAL DISEASES.

The diagnosis and treatment of County cases suffering from Venereal Diseases is undertaken at the Swansea General Hospital Clinic.

The following Table gives comparative numbers of new cases dealt with for the first time during each of the last seven years :—

| Year.      | Acquired and Congenital Syphilis. |    |    | Soft Sore. | Gonorrhoea. |    |     | Undiagnosed and Non-V.D. |
|------------|-----------------------------------|----|----|------------|-------------|----|-----|--------------------------|
|            | M.                                | F. | T. |            | M.          | F. | T.  |                          |
| 1938 ..... | 18                                | 11 | 29 | .....      | 110         | 23 | 133 | 23                       |
| 1939 ..... | 18                                | 10 | 28 | 1          | 103         | 28 | 131 | 30                       |
| 1940 ..... | 26                                | 10 | 36 | 1          | 76          | 9  | 85  | 21                       |
| 1941 ..... | 28                                | 23 | 51 | 1          | 62          | 14 | 76  | 15                       |
| 1942 ..... | 31                                | 34 | 65 | .....      | 32          | 13 | 45  | 31                       |
| 1943 ..... | 31                                | 26 | 57 | .....      | 24          | 11 | 35  | 66                       |
| 1944 ..... | 38                                | 25 | 63 | .....      | 27          | 8  | 35  | 90                       |

The following Table gives comparative numbers of new cases of Congenital Syphilis (included in the Syphilis figures in the previous Table) during each of the last five years :—

| New cases of Congenital Syphilis. | 1940  | 1941 | 1942 | 1943 | 1944 |
|-----------------------------------|-------|------|------|------|------|
|                                   | ..... | 4    | 3    | 5    | 7    |



The following Table summarises the work of the Clinic during 1944 :—

| New and Old Cases.  | 1944  |       |       |
|---|-------|-------|-------|
|   | M.    | F.    | T.    |
| (1) Cases under treatment or observation on January 1st .....   | 98    | 84    | 182   |
| (2) Returned defaulters .....                                   | ..... | 2     | 2     |
| (3) New cases dealt with for the first time and suffering from— |       |       |       |
| (a) Syphilis : primary .....                                    | 21    | 10    | 31    |
| secondary .....   | 5     | 9     | 14    |
| latent .....  | 4     | 4     | 8     |
| later stages .....  | 3     | ..... | 3     |
| congenital .....  | 5     | 2     | 7     |
| (b) Soft sore .....   | ..... | ..... | ..... |
| (c) Gonorrhoea.....   | 27    | 8     | 35    |
| (d) Non-Venereal or undiagnosed .....                           | 42    | 48    | 90    |
| (4) New cases previously treated at other Centres, etc. ....    | 12    | 2     | 14    |
| Totals .....  | 217   | 169   | 386   |
| Attendances as Out-patients—                                    |       |       |       |
| (a) Seen by Medical Officer .....                               | 1088  | 603   | 1691  |
| (b) For intermediate treatment ....                             | 771   | 456   | 1227  |
| Total attendances .....   | 1859  | 1059  | 2918  |
| " INPATIENTS."  |       |       |       |
| Inpatients admitted for treatment during year .....             | 2     | 2     | 4     |
| No. of Inpatient days of treatment .....                        | 4     | 62    | 66    |

The following Table shows the results of treatment of County cases at the Swansea Hospital Clinic in 1944 :—

|   | 1944           |               |                  |                     |
|---|----------------|---------------|------------------|---------------------|
|   | Syph-<br>ilis. | Soft<br>Sore. | Gonorr-<br>hoea. | Not<br>V.D.<br>etc. |
| Cases under treat-<br>ment, etc., on<br>January 1st .....   | 115            | .....         | 27               | 40                  |
| Cases dealt with for<br>first time, includ-<br>ing new cases,<br>returned default-<br>ers and transfers<br>in ..... | 73             | .....         | 41               | 90                  |
| Total .....   | 188            | .....         | 68               | 130                 |
| Discharged cured<br>after completion<br>of treatment .....  | 9              | .....         | 19               | 80                  |
| Ceased to attend<br>before completion<br>of treatment .....   | 54             | .....         | 9                | .....               |
| Ceased to attend<br>after completion<br>of treatment but<br>before final tests<br>of cure .....                     | 7              | .....         | 4                | .....               |
| Transferred out to<br>other Centres, In-<br>stitutions, etc. ....   | 2              | .....         | 3                | .....               |
| Cases remaining<br>under treatment,<br>etc., on 31st<br>December .....  | 116            | .....         | 33               | 50                  |
| TOTAL .....   | 188            | .....         | 68               | 130                 |

The cost charged to the County Council for treatment at the Centre in 1944 was £1008 2s. 1d., as compared with £934 2s. 2d. in 1943.

The amount paid as travelling expenses to and from the Swansea Treatment Centre for necessitous cases was £71 13s. 9d. in 1944, as compared with £57 1s. 2d. in 1943.

#### TUBERCULOSIS.

The Council have contracted with the Welsh National Memorial Association for the institutional treatment of Tuberculosis. The work of the Association is carried out at Dispensaries, Sanatoria and Hospitals.



### Notifications.

In 1944, the number of primary notifications of new cases of Tuberculosis was 313, of whom 258 were pulmonary cases (142 males and 116 females), and 55 non-pulmonary (30 males and 25 females). In addition, 43 cases (32 pulmonary and 11 non-pulmonary) came to the knowledge of the Medical Officer of Health by supplemental returns, viz., 31 from Death Returns from local Registrars and 12 from Transferable Deaths from the Registrar-General.

There is complete interchange of information with regard to notifications received between the Tuberculosis Officers, the District Medical Officers of Health and the County Medical Officer of Health. The general practitioner notifies the District Medical Officer of Health, who sends weekly returns of the notifications received to the County Medical Officer of Health; a copy of the weekly returns is forwarded to the Tuberculosis Officer, who in turn notifies the County Medical Officer of Health of any cases coming to his notice, and this information is forwarded to the District Medical Officer of Health concerned.

The following Table shows the total known number of new cases of Tuberculosis for each of the last 10 years :—

| Year. | Pulmonary Tuberculosis. |                       |                    |                                | Non-Pulmonary Tuberculosis. |                       |                    |                                | Tuberculosis all forms |
|-------|-------------------------|-----------------------|--------------------|--------------------------------|-----------------------------|-----------------------|--------------------|--------------------------------|------------------------|
|       | Primary Notifications.  | Supplemental Returns. | Total known Cases. | Case Rate per 1000 Population. | Primary Notifications.      | Supplemental Returns. | Total known Cases. | Case Rate per 1000 Population. | Total known Cases.     |
| 1935  | 227                     | 4                     | 231                | 1.3                            | 77                          | 3                     | 80                 | .45                            | 311                    |
| 1936  | 212                     | 27                    | 239                | 1.3                            | 43                          | 4                     | 47                 | .26                            | 286                    |
| 1937  | 200                     | 9                     | 209                | 1.2                            | 61                          | 3                     | 64                 | .36                            | 273                    |
| 1938  | 177                     | 16                    | 193                | 1.1                            | 51                          | 3                     | 54                 | .31                            | 247                    |
| 1939  | 176                     | 17                    | 193                | 1.1                            | 54                          | 10                    | 64                 | .37                            | 257                    |
| 1940  | 185                     | 8                     | 193                | 1.1                            | 45                          | 5                     | 50                 | .28                            | 243                    |
| 1941  | 167                     | 9                     | 176                | 0.9                            | 69                          | 12                    | 81                 | .40                            | 257                    |
| 1942  | 144                     | 27                    | 171                | 0.9                            | 55                          | 9                     | 64                 | .37                            | 235                    |
| 1943  | 204                     | 21                    | 225                | 1.3                            | 48                          | 8                     | 56                 | .33                            | 281                    |
| 1944  | 258                     | 32                    | 290                | 1.7                            | 55                          | 11                    | 66                 | .40                            | 356                    |

The following Table shows the age distribution of all new cases notified or which came to light from supplemental returns (e.g., Death Returns, etc.) during 1944 :—

| Age<br>Periods.      | 1944       |       |                    |       | Total. |
|----------------------|------------|-------|--------------------|-------|--------|
|                      | Pulmonary. |       | Non-<br>Pulmonary. |       |        |
|                      | M.         | F.    | M.                 | F.    |        |
| 0—1 .....            | .....      | ..... | 1                  | ..... | 1      |
| 1—5 .....            | 2          | ..... | 5                  | 4     | 11     |
| 5—15 .....           | 6          | 9     | 9                  | 6     | 30     |
| 15—25 .....          | 51         | 54    | 10                 | 7     | 122    |
| 25—35 .....          | 30         | 31    | 2                  | 6     | 69     |
| 35—45 .....          | 21         | 18    | 2                  | 6     | 47     |
| 45—55 .....          | 19         | 8     | 1                  | ..... | 28     |
| 55—65 .....          | 19         | 10    | 3                  | ..... | 32     |
| 65+ .....            | 9          | 3     | 3                  | 1     | 16     |
| TOTAL .....          | 157        | 133   | 36                 | 30    |        |
| GRAND<br>TOTAL ..... | 290        |       | 66                 |       | 356    |

The number of cases included in the above Table which were brought to light by supplemental returns (other than formal notification) and the sources of information were as follows :—

|  | Number of Cases. |                |
|--|------------------|----------------|
|  | Pulmonary.       | Non-Pulmonary. |
| Death Returns from Local Registrars .....                            | 24               | 7              |
| Transferable Deaths from Registrar-General .....                     | 8                | 4              |
| Posthumous Notifications .....                                       | .....            | .....          |
| Transfers from other areas (other than<br>Transferable Deaths) ..... | .....            | .....          |
| Other sources .....  | .....            | .....          |
| Total .....  | 32               | 11             |



### Mortality from Tuberculosis.

The number of deaths from Tuberculosis in 1944 was 133, giving a death rate of .80 per 1,000 population. Of the deaths, 112 were due to pulmonary Tuberculosis (57 males and 55 females) and 21 to non-pulmonary Tuberculosis (12 males and 9 females).

The following Table shows the deaths from Tuberculosis in Carmarthen-shire in recent years :—

| Year.      | Popu-<br>lation. | No. of Deaths.        |                           |                      | Death rate per 1000<br>Population. |                           |                      |
|------------|------------------|-----------------------|---------------------------|----------------------|------------------------------------|---------------------------|----------------------|
|            |                  | Pul-<br>monary<br>TB. | Non-Pul-<br>monary<br>TB. | TB.<br>All<br>Forms. | Pul-<br>monary<br>TB.              | Non-Pul-<br>monary<br>TB. | TB.<br>All<br>Forms. |
| 1934 ..... | 177350           | 110                   | 25                        | 135                  | .62                                | .14                       | .76                  |
| 1935 ..... | 176900           | 139                   | 30                        | 169                  | .79                                | .17                       | .96                  |
| 1936 ..... | 176390           | 162                   | 31                        | 193                  | .92                                | .18                       | 1.09                 |
| 1937 ..... | 174090           | 122                   | 26                        | 148                  | .70                                | .15                       | .85                  |
| 1938 ..... | 172700           | 101                   | 21                        | 122                  | .58                                | .12                       | .706                 |
| 1939 ..... | 172410           | 90                    | 21                        | 111                  | .52                                | .12                       | .64                  |
| 1940 ..... | 172920           | 125                   | 25                        | 150                  | .72                                | .14                       | .86                  |
| 1941 ..... | 180950           | 102                   | 32                        | 134                  | .56                                | .17                       | .74                  |
| 1942 ..... | 172180           | 114                   | 26                        | 140                  | .66                                | .15                       | .81                  |
| 1943 ..... | 165810           | 103                   | 23                        | 126                  | .62                                | .13                       | .75                  |
| 1944 ..... | 164490           | 112                   | 21                        | 133                  | .68                                | .12                       | .80                  |

The following Table shows the deaths from Tuberculosis classified into the various age groups for the year 1944 :—

| Age<br>Periods. | Deaths from Tuberculosis. |       |                |       |
|-----------------|---------------------------|-------|----------------|-------|
|                 | 1944                      |       |                |       |
|                 | Pulmonary.                |       | Non-Pulmonary. |       |
|                 | M.                        | F.    | M.             | F.    |
| 0—1 .....       | .....                     | ..... | .....          | ..... |
| 1—5 .....       | .....                     | ..... | 3              | 1     |
| 5—15 .....      | .....                     | 1     | 2              | 4     |
| 15—45 .....     | 27                        | 46    | 6              | 3     |
| 45—65 .....     | 18                        | 7     | 1              | ..... |
| 65 + .....      | 12                        | 1     | .....          | 1     |
| Total .....     | 57                        | 55    | 12             | 9     |
| Grand Total     | 112                       |       | 21             |       |



## Midwifery and Maternity Services

The County Council is responsible for the general supervision and regulation of the practice of midwives throughout the County.

### Notice of Intention to Practice.

Every woman certified under the Midwives Acts is required to give notice in writing to the County Council of her intention to practice as a Midwife, and to give a like notice in January of each year. The number of Midwives who notified their intention to practice in Carmarthenshire in 1944 was 119, and all were qualified by examination and held the Central Midwives Board Certificate.

The following Table shows the classification of Midwives who notified their intention to practice in 1944 :—

| Midwives Practising<br>in County.  | 1944                          |                                   |        |
|--|-------------------------------|-----------------------------------|--------|
|  | Domi-<br>ciliary<br>Midwives. | Midwives<br>in Insti-<br>tutions. | Total. |
| (a) Employed by the<br>County Council .....  | 14                            | 3                                 | 17     |
| (b) Employed by other<br>Local Authorities<br>but temporarily<br>working in the area   | 1                             | —                                 | 1      |
| (c) Employed by Dis-<br>trict Nursing Asso-<br>ciations :  |                               |                                   |        |
| (i) Under arrange-<br>ments made<br>with the County<br>Council in pur-<br>suance of Sec-<br>tion 1 of the<br>Midwives Act,<br>1936 ..... | 57                            | —                                 | 57     |
| (ii) Others .....  | 2                             | 10                                | 12     |
| (d) In private practice  | 32                            | —                                 | 32     |
| Totals .....   | 106                           | 13                                | 119    |

### Attendance at Birth.

Midwives may attend at birth either in the role of midwife or as a maternity nurse. A woman is acting as a maternity nurse when a doctor has been engaged to deliver the patient, and she has sent for him on the outset of labour, and he arrives before she leaves the house and continues to be in charge of and responsible for the case throughout the lying-in period.

The following Table shows the number of cases attended by Midwives during 1944.

| Cases Attended by Midwives.   | 1944                       |                                |        |
|---|----------------------------|--------------------------------|--------|
|   | Domi-<br>ciliary<br>Cases. | Cases in<br>Insti-<br>tutions. | Total. |
| (a) Employed by the County Council :  |                            |                                |        |
| { As Midwives .....   | 486                        | .....                          | 486    |
| { As Maternity Nurses.....  | 15                         | .....                          | 15     |
| (b) Employed by other Local Authorities but temporarily working in the area :                             |                            |                                |        |
| { As Midwives .....   | 8                          | .....                          | 8      |
| { As Maternity Nurses.....  | .....                      | .....                          | .....  |
| (c) Employed by Voluntary Associations :  |                            |                                |        |
| (i) Under arrangements made with the County Council in pursuance of Section 1 of the Midwives Act, 1936 : |                            |                                |        |
| { As Midwives .....   | 887                        | .....                          | 887    |
| { As Maternity Nurses.....  | 287                        | .....                          | 287    |
| (ii) Others :   |                            |                                |        |
| { As Midwives .....   | 28                         | 777                            | 805    |
| { As Maternity Nurses.....  | .....                      | 225                            | 225    |
| (e) In private practice :   |                            |                                |        |
| { As Midwives .....   | 194                        | .....                          | 194    |
| { As Maternity Nurses.....  | 22                         | .....                          | 22     |
| Totals { As Midwives .....  | 1603                       | 777                            | 2380   |
| { As Maternity Nurses.....  | 324                        | 225                            | 549    |

The number of stillbirths which occurred in the practice of Midwives was 48 in 1944.

The number of abortions or miscarriages was 111 in 1944.



### Notifications received from Midwives.

|   |     |
|---|-----|
| (1) Sending for Medical Help .....              | 673 |
| (2) Stillbirths .....                           | 21  |
| (3) Liability to be a source of infection ..... | 31  |
| (4) Artificial Feeding .....                    | 94  |
| (5) Notification of Deaths .....                | 10  |
| (6) Laying out of Dead Bodies.....              | 11  |

The chief causes for which Medical Aid was summoned for the mother are as follows :—

|  |                 |
|--|-----------------|
| Albuminuria and Toxaemia of Pregnancy .....              | 27              |
| Eclampsia .....  | 5               |
| Oedema .....   | 6               |
| Ante-partum Haemorrhage .....                            | 20              |
| Post-partum Haemorrhage .....                            | 15              |
| Abortion or Miscarriage .....                            | 56              |
| Difficult, Obstructed, Prolonged or Delayed Labour ..... | 179             |
| Malpresentation .....                                    | 51              |
| Retained or Adherent Placenta or Membranes .....         | 16              |
| Torn Perineum .....                                      | 125             |
| Pyrexia .....  | 15              |
| Uterine Inertia .....                                    | 52              |
| Unsatisfactory condition of Mother .....                 | 43              |
| Precipitate Labour .....                                 | 6               |
| Varicose Veins of Vulva .....                            | 1               |
|  | <hr/> 617 <hr/> |

The causes for which Medical Aid was summoned for the child were as follows :—

|                                   |       |
|-----------------------------------|-------|
| Feebleness .....                  | 3     |
| Discharging eyes .....            | 17    |
| Spina Bifida .....                | 2     |
| Premature child .....             | 14    |
| General condition .....           | 10    |
| Phimosis .. ..                    | 1     |
| Harelip and Cleft Palate .....    | 1     |
| Skin rash .....                   | 1     |
| Stillbirth .....                  | 3     |
| Jaundice .....                    | 1     |
| Deformity of hands and feet ..... | 1     |
| Swelling of Serotum .....         | 1     |
| Growth at Bottom of Spine .....   | 1     |
|                                   | <hr/> |
| Total .....                       | 56    |

### Grants in Aid of Training of Midwives.

The County Council make a grant of £30 a year to the County Nursing Association in respect of each midwife placed in the County. The amount provided for this service is £150 per annum.

### Inspection of Midwives, etc.

The work of the Inspector of Midwives is summarised in the following Table, which records the number of visits of inspection made to midwives and health visitors, and the number of special visits of investigation of Puerperal Pyrexia, Maternal Deaths, etc. :—

Visits of inspection to—

|  |     |
|--|-----|
| (a) Midwives employed by District Nursing Associations ..... | 144 |
| (b) County Council and Independent Midwives .....            | 108 |
| (c) Health Visitors and School Nurses.....                   | 15  |
| (d) Nursing Homes .....                                      | 2   |
| (e) Homes under the Children Act, 1908 .....                 | 3   |

Visits of investigation of—

|                            |    |
|----------------------------|----|
| Puerperal Pyrexia .....    | 19 |
| Ophthalmia Neonatorum..... | 12 |
| Maternal Deaths .....      | 3  |

|                    |     |
|--------------------|-----|
| Total Visits ..... | 306 |
|--------------------|-----|

### Maternal Mortality.

The number of deaths that occurred in the Administrative County as the result of childbirth in 1944 was 12, of which 5 were due to Puerperal Sepsis and 7 to other Puerperal causes.



The number of Maternal deaths and the Puerperal death rate per 1,000 total births (live and stillbirths) for each of the last 10 years is shown in the following Table :—

| Year. | Puerperal Sepsis. |       | Other Puerperal Causes. |       | Total Deaths from Childbirth and rate per 1000 Total Births. |       |
|-------|-------------------|-------|-------------------------|-------|--|-------|
|       | No.               | Rate. | No.                     | Rate. | No.  | Rate. |
| 1935  | 4                 | 1.5   | 14                      | 5.2   | 18   | 6.7   |
| 1936  | 4                 | 1.5   | 13                      | 5.01  | 17   | 6.5   |
| 1937  | 5                 | 1.9   | 16                      | 6.04  | 21   | 7.9   |
| 1938  | 1                 | 0.4   | 9                       | 3.6   | 10   | 4.0   |
| 1939  | 3                 | 1.2   | 12                      | 4.8   | 15   | 6.08  |
| 1940  | 1                 | 0.4   | 11                      | 4.4   | 12   | 4.8   |
| 1941  | 4                 | 1.4   | 5                       | 1.8   | 9  | 3.29  |
| 1942  | .....             | ..... | 9                       | 3.1   | 9  | 3.1   |
| 1943  | 2                 | 0.7   | 3                       | 1.08  | 5  | 1.8   |
| 1944  | 5                 | 1.6   | 7                       | 2.3   | 12   | 3.9   |

#### Antenatal Services.

Under the Rules of the Central Midwives Board, every Midwife carries out antenatal examinations and records the results of her examinations on an approved form. The Midwife is required to send for Medical aid during pregnancy when there is any abnormality or complication. Antenatal Clinics are held weekly at the Carmarthen Infirmary by Mr. J. R. E. James, F.R.C.S., and at the Amman Valley Hospital by Dr. John Davies.

#### Institutional Provision for Maternity Cases.

The Council have had arrangements with the County Infirmary, Carmarthen, since 1938, for the use of 16 beds for maternity cases admitted under the Council's Scheme. Additional beds are available in the Medical Block of the Infirmary for suspect or infected cases who require isolation. Cases of Puerperal Pyrexia are sent to the County Isolation Hospital to be treated in the Cubicle Block.

In November, 1940, arrangements were made for the use of 11 beds at the Amman Valley Hospital for Evacuee maternity cases. This arrangement has since been extended to include the admission of normal maternity cases resident in the County, where home conditions are not satisfactory or domestic help is not available.



Thirteen maternity beds are also available in the Public Assistance Institutions. The number of maternity cases admitted to these Institutions during 1944 was as follows :—

| Institution.  |            |
|---|------------|
| Carmarthen Infirmary .....  | 435 (829)* |
| Amman Valley Hospital .....   | 348        |
| Llanelly Public Assistance Institution.....                             | 10         |
| Carmarthen Public Assistance Institution Maternity Unit<br>Annexe ..... | 131        |
| Llandilo Public Assistance Institution.....                             | 5          |

\* The figures in brackets are the total maternity cases dealt with at the Carmarthen Infirmary and include Private Cases.

#### **Nursing Homes Registration (Public Health Act, 1936, S. 187—195).**

One Nursing Home only, the Goring Road Nursing Home, Llanelly, is registered in the County. This is periodically inspected and the bye-laws found to be duly observed.

### **CHILD WELFARE.**

#### *Notification of Births.*

These Acts require the notification of every birth to the Medical Officer of Health within 36 hours of its occurrence by the father, doctor, midwife, or any person in attendance on the mother at the time of, or six hours after birth. This notification does not relieve the parents of the necessity of registering the birth with the Registrar. Failure to notify the birth to the Medical Officer of Health involves liability to penalty. On receipt of these notifications the County Medical Officer of Health arranges for a Health Visitor to visit the births notified in her area.

During 1944 notifications of birth were received as follows :—

| Notified by.                 | 1944         |               |        |
|------------------------------|--------------|---------------|--------|
|                              | Live Births. | Still Births. | Total. |
| Midwives .....               | 2858         | 72            | 2930   |
| Doctors, Parents, or Others. | 10           | 2             | 12     |



The number of births and still-births which were registered during 1944 was 3,004 (2,924 live births and 80 still-births); Thus 56 live births and 6 still-births were not notified during 1944 in accordance with the provisions of the Acts.

### *Infant Mortality Rate.*

The number of deaths of infants under 1 year in 1944 is shown in the following Table :—

| Classification.    | M. | F. | Total. |
|--------------------|----|----|--------|
| Legitimate .....   | 68 | 59 | 127    |
| Illegitimate ..... | 8  | 3  | 11     |
| Total .....        | 76 | 62 | 138    |

This gives an infant mortality rate of 47.1 in 1944, compared with a rate of 46.0 for England and Wales.

The chief causes of deaths of infants under 1 year old were :—

|   | Urban. | Rural. | Total. |
|---|--------|--------|--------|
| Premature Birth .....   | 18     | 21     | 39     |
| Congenital Malformations, Birth Injuries, Infant Diseases ..... | 21     | 30     | 51     |
| Pneumonia .....   | 8      | 11     | 19     |
| Bronchitis .....  | —      | 4      | 4      |
| Diarrhoeal Diseases .....                                       | 5      | 1      | 6      |
| Digestive .....   | 1      | 3      | 4      |

### *Still-Births.*

A still-birth is defined as the birth of a child after the twenty-eighth week of pregnancy, which, after complete expulsion, did not breathe or show any signs of life. There were 80 still-births (33 males and 47 females) registered in the County in 1944, giving a rate of 26.6 per 1,000 total births.

*Health Visitors—Home Visiting.*

The duties of Health Visitors in connection with Infant Welfare include the visiting of births notified in the area, advising the mothers as to the care and rearing of their infants and as to attendance at the Infant Welfare Centres. They also follow up visits to the Centre in order to see that the doctor's advice is being carried out and also act as Infant Protection Visitors. The Health Visitor is required to visit the homes once a month for the first year of the infant's life, four times a year in the second year, and at least twice yearly during the third, fourth and fifth years, when the child automatically comes under the supervision of the School Medical Service.

The Health Visiting Staff consists of 7 whole-time Nurses and 37 part-time Nurses who carry out health visiting and school medical service duties in addition to their primary duty of District Nursing. The part-time Nurses are employed by the County Nursing Association, and the County Council pay a grant of £80 per annum for the services of each part-time Nurse engaged in health visiting and school nursing. The nature and amount of work carried out by the Health Visitors in 1944 is summarised in the following Tables :—

## MATERNITY AND CHILD WELFARE WORK FOR THE YEAR.

The table hereunder shews the work done by the respective Health Visitors :—

| Name of District.                  | Visits to infants under 1 year. |               | Total Visits, children 1—5 |
|------------------------------------|---------------------------------|---------------|----------------------------|
|                                    | First Visits.                   | Total Visits. |                            |
| Whole-time Nurses<br>Located at :— |                                 |               |                            |
| Amman Valley .....                 | 170                             | 624           | 419                        |
| Ammanford .....                    | 170                             | 463           | 855                        |
| Trimsaran .....                    | 123                             | 628           | 565                        |
| Burry Port .....                   | 152                             | 499           | 627                        |
| Llanelly Rural .....               | 134                             | 415           | 258                        |
| St. Clears .....                   | 100                             | 546           | 690                        |
| Carmarthen Rural .....             | 63                              | 447           | 911                        |
| Total .....                        | 912                             | 3622          | 4325                       |



## MATERNITY AND CHILD WELFARE WORK FOR THE YEAR.

The table hereunder shews the work done by the respective Health Visitors :—

| Name of District.<br>District Nursing<br>Association Nurses<br>Located at :— | Visits to infants<br>under 1 year. |                  | Total<br>Visits<br>children<br>1—5 |
|--|------------------------------------|------------------|------------------------------------|
|  | First<br>Visits.                   | Total<br>Visits. |                                    |
| Drefach  | 36                                 | 282              | 290                                |
| Llangendeirne  | 20                                 | 192              | 838                                |
| Abergwili  | 34                                 | 385              | 357                                |
| Llanegwad  | 17                                 | 108              | 158                                |
| Llangathen   | 15                                 | 188              | 169                                |
| Llanfihangel-<br>Aberbythich   | 23                                 | 160              | 154                                |
| Llandilo   | 25                                 | 307              | 307                                |
| Llandilo (South)   | 16                                 | 240              | 229                                |
| Llansawel  | 5                                  | 116              | 136                                |
| Talley   | 10                                 | 284              | 477                                |
| Llanfynydd   | 16                                 | 302              | 740                                |
| Llandovery   | 37                                 | 375              | 271                                |
| Cilycwm  | 13                                 | 283              | 360                                |
| Caio   | 12                                 | 104              | 175                                |
| Llangadock   | 28                                 | 189              | 279                                |
| Llansadwrn & Llanwrda  | 25                                 | 234              | 312                                |
| Newcastle Emlyn  | 16                                 | 377              | 307                                |
| Henllan  | 16                                 | 200              | 168                                |
| Ferryside  | 35                                 | 532              | 563                                |
| Llanstephan  | 32                                 | 132              | 332                                |
| Whitland   | 37                                 | 707              | 703                                |
| Llandilo (North)   | 25                                 | 381              | 335                                |
| Llangunnor   | 24                                 | 508              | 589                                |
| Dyffryn Taf  | 41                                 | 317              | 303                                |
| Felinfoel  | 59                                 | 555              | 488                                |
| Pontyates  | 72                                 | 552              | 468                                |
| Cefneithin   | 55                                 | 279              | 325                                |
| Saron  | 27                                 | 513              | 415                                |
| Tumble   | 89                                 | 524              | 339                                |
| Tycroes  | 29                                 | 481              | 536                                |
| Dafen  | 60                                 | 575              | 419                                |
| Pencader   | 25                                 | 194              | 501                                |
| Llanybyther  | 31                                 | 216              | 377                                |
| Kidwelly   | 43                                 | 811              | 661                                |
| Pontyberem   | 34                                 | 1443             | 884                                |
| Penygroes  | 61                                 | 163              | 238                                |
| Llandebie  | 59                                 | 281              | 78                                 |
| TOTAL  | 1202                               | 13490            | 14281                              |

*Child Welfare Centres.*

The main functions of the Centres are educational and preventive, and to this end the mother is instructed in matters relating to the child's rearing, management, feeding and clothing. Any infant or child who requires treatment for any defect is referred to the family doctor.

There are twenty-two Child Welfare Centres in the County, viz., at Ammanford, Brynamman, Burry Port, Cwmamman, Llandovery, Llwynhendy, Pwll, Furnace, Gorslas, Tumble, Pontyberem, Ystradowen, Penygroes, Llandilo, Ffairfach, Trimsaran, Kidwelly, Whitland, Llanstephan, Llangennech, Newcastle Emlyn, and Llandebie. There are also two contributory Centres supported by Joint Authorities, viz., one at Pontardulais and the other at Henllan. A general practitioner in the area acts as Medical Officer at each centre.

Late in 1941, the Ministry of Food made available to children under two years of age supplies of fruit juices and cod liver oil to provide for the Vitamin C and Vitamins A and D which they require. These preparations are distributed at all Child Welfare Centres by officials of the Ministry of Food and is a means of increasing the attendance of mothers and young children at the Centres. The distribution takes place on Clinic days and in no way interferes with the work of the Centre.

#### ATTENDANCES AT THE CHILD WELFARE CENTRES.

Total number of children who attended Centres for the  
FIRST TIME during the year :—

|                              |       |       |       |       |      |
|------------------------------|-------|-------|-------|-------|------|
| Under 1 year of age          | ..... | ..... | ..... | ..... | 1683 |
| Between 1 and 5 years of age | ..... | ..... | ..... | ..... | 267  |

Total number of children under 5 years of age who attended  
Centres during the year and who at the end of the year  
were :—

|                         |       |       |       |       |      |
|-------------------------|-------|-------|-------|-------|------|
| Under 1 year of age     | ..... | ..... | ..... | ..... | 1038 |
| Over 1 year of age..... | ..... | ..... | ..... | ..... | 1105 |



*Orthopaedic After-Care Scheme.*

On the 31st December, 1944, there were 392 children receiving treatment under the Orthopaedic After-Care Scheme which is administered by the County Education Committee.

An analysis of cases, according to diagnosis, is as follows :—

|  | M. & C. W. | Public Health |
|--|------------|---------------|
| <b>Paralysis:</b>                              |            |               |
| Infantile                                      | 2          | 2             |
| Spastic  | 6          | 1             |
| Obstetrical                                    |            |               |
| Congenital Deformities                         | 183        |               |
| Infective Conditions of Bones and Joints T.B.  | 1          | 1             |
| Non-infective conditions of Bones and Joints : |            |               |
| Rickets  | 10         |               |
| Other  |            | 1             |
| Static or Postural Defects                     | 175        | 1             |
| Traumatic Deformities                          | 4          | 1             |
| Multiple Defects                               | 1          |               |
| Miscellaneous                                  | 10         |               |
| <b>Totals</b>                                  | <b>392</b> | <b>7</b>      |

The following Table gives a summary of the work carried out by the Orthopaedic Sisters during the year 1944 :—

|  | M. & C. W. | Public Health |
|--|------------|---------------|
| Number of individual children under Scheme on 1st January                  | 303        | 2             |
| Number of new cases during the year .....                                  | 212        | 5             |
| Number of cases transferred to .....                                       | .....      | 2             |
| Number of individual cases dealt with during year .....                    | 515        | 9             |
| Number of cases transferred from .....                                     | 26         | .....         |
| Number of cases withdrawn from Scheme before the end of year .....         | 97         | 1             |
| Number of children under the Scheme on the 31st December                   | 392        | 8             |
| Total number of attendances made at Clinics .....                          | 1775       | 19            |
| Number of manipulations by Sisters .....                                   | 1496       | 1             |
| Number of plasters applied by Sisters .....                                | 115        | 1             |
| Number of plasters reinforced by Sisters .....                             | 35         | 1             |
| Number of plaster casts taken by Sisters .....                             | 1          | .....         |
| Number of individual children received remedial exercises by Sisters ..... | 25         | .....         |
| Number of individual cases massaged by Sisters .....                       | .....      | .....         |
| Number of home visits by Sisters .....                                     | 254        | 16            |
| Number of cases examined by Visiting Orthopaedic Surgeon                   | 72         | 6             |
| Number of cases recommended in-patient Hospital treatment by Surgeon ..... | 2          | .....         |
| Number of cases admitted to Hospital for in-patient treatment :—           |            |               |
| For the first time .....   | 4          | .....         |
| Re-admitted for further treatment.....                                     | .....      | .....         |



*Medical Treatment Schemes.*

The following Table shows the work carried out under the various medical treatment schemes adopted by the Maternity and Child Welfare Committee :—

**Ear, Nose and Throat Scheme:**

|   |    |
|---|----|
| Number of children examined by Surgeons .....   | 4  |
| Number of children re-examined by Surgeons .....  |    |
| Number of children received in-patient Hospital treatment for enlarged tonsils and adenoids ..... | 13 |

**Ophthalmic Scheme:**

|   |    |
|---|----|
| Number of children examined .....                   | 31 |
| Number of children to whom glasses were provided :— |    |
| By the Committee .....                              | 9  |
| By private arrangements made by parents .....       | 2  |

**Cleft Lip and Palate Scheme:**

|   |   |
|---|---|
| Number of children admitted to Hospital for treatment of :— |   |
| Hare Lip .....  |   |
| Cleft Palate .....  |   |
| Cleft Lip and Palate .....                                  | 1 |

*Ophthalmia Neonatorum.*

This is defined as a purulent discharge from the eyes of an infant occurring within twenty-one days from the date of its birth. The disease is one of the chief causes of blindness. Midwives are provided with Argyrol 10% for use as a prophylactic against the disease. A report is received on each case of "discharging eyes."

The following table shews the number of cases notified under the Ophthalmia Neonatorum Regulations during the year 1944 :—

|  |   |
|--|---|
| Llanelly and Carmarthen Boroughs .....           | 4 |
| Rest of County .....                             | 5 |
| Number of these cases admitted to Hospital ..... | 6 |

*Infant Life Protection.*

The following table gives particulars of children who were being received for reward during the year 1944 :—

|  | 1944  |
|--|-------|
| 1. Number of persons receiving children for reward on the Register at end of year .....  | 8     |
| 2. Number of children on Register :  |       |
| (i) At the end of the year .....   | 8     |
| (ii) Who died during year .....  | ..... |
| (iii) On whom inquests were held .....   | ..... |
| 3. Number of cases in which proceedings were taken during the year .....   | ..... |
| 4. Number of cases in which the Local Authority has given sanction during the year under (a), (b), and (c) of Section 210 of the Public Health Act, 1936 ..... | ..... |

The number of Infant Protection Visitors in the County number eight. Of these seven are Health Visitors and come into contact with cases in the course of their routine duties. In addition, there is one male Visitor.

*National Society for the Prevention of Cruelty to Children.*

The services of Mr. H. James, the local Inspector of the Society, have been frequently called upon, and he has become an almost essential part of the public health services.

Inspector James's services are invaluable and are greatly appreciated. Particulars of the work carried out by Mr. James will be found in the Annual Report of the School Medical Officer.

**MENTAL DEFECTIVES.**

|  | 1944           |                     |
|--|----------------|---------------------|
|  | Pantglas Hall. | Other Institutions. |
| Number of cases in Institutions on the 31st December ..... | 49             | 1                   |
| Number admitted during the year .....                      | 5              | .....               |
| <b>Classification :</b>                                    |                |                     |
| Idiots .....   | 2              | .....               |
| Imbeciles .....  | 7              | .....               |
| Feeble-minded .....  | 40             | 1                   |



### BLIND PERSONS ACTS, 1920 and 1938.

Examinations under this Act are carried out as occasion arises, by two part-time Ophthalmic Surgeons (Dr. Roy Thomas and Dr. J. J. Healy), at Centres in Llanelly, Lampeter, Carmarthen and Ammanford. The examinations are carried out as far as possible on the days the School Eye Clinics are held. Where a presumably blind person is unable to attend the Centres provision is made for the Ophthalmic Surgeon to visit the home. The payment of travelling expenses to the Centres is defrayed by the Carmarthenshire Blind Society in necessitous cases.

*Registration.*—No name is entered on the Blind Register until the person is certified by the Ophthalmic Surgeons to be blind within the meaning of the Act.

The number of blind persons on the Register in 1944 was 315.

Details of the age periods of the above are shown in Table I. :

TABLE I.—Age periods of Persons on Blind Register.

| 0—1 | 1—5 | 5—16 | 16—21 | 21—40 | 40—50 | 50—65 | 65—70 | 70+ | Unknown | Total. |
|-----|-----|------|-------|-------|-------|-------|-------|-----|---------|--------|
|     |     | 1    | 1     | 11    | 32    | 76    | 37    | 151 | 6       | 315    |

TABLE II.—Ages at which blindness occurred.

| 0—1 | 1—5 | 5—10 | 10—20 | 20—30 | 30—40 | 40—50 | 50—60 | 60—70 | 70+ | Unknown. | Total. |
|-----|-----|------|-------|-------|-------|-------|-------|-------|-----|----------|--------|
| 18  | 4   | 2    | 10    | 21    | 25    | 36    | 44    | 74    | 53  | 28       | 315    |

TABLE III.—Children of School Age—5—16.

| Normal.                 |                   | Mentally Defective. |                         |                   | Physically Defective. |                         |                   | Total.            |
|-------------------------|-------------------|---------------------|-------------------------|-------------------|-----------------------|-------------------------|-------------------|-------------------|
| In School<br>for Blind. | Other<br>Schools. | Not at<br>School.   | In School<br>for Blind. | Other<br>Schools. | Not at<br>School.     | In School<br>for Blind. | Other<br>Schools. | Not at<br>School. |
| <b>1</b>                |                   |                     |                         |                   |                       |                         |                   | <b>1</b>          |



TABLE IV.—Training and Employment.—Age 16 and upwards.

| By Blind Organisations. | Employed.     |                  | Undergoing Training.             |                     |                | Trained but Unemployed (h) | No Training but Trainable. (i)  | Unemployable (j) | Total. (k) | Unemployable over 70 in (l) & (k) | Number of Women performing normal household duties included in (j) and (k). (m) |
|-------------------------|---------------|------------------|----------------------------------|---------------------|----------------|----------------------------|---------------------------------|------------------|------------|-----------------------------------|---|
|                         | Workshops (a) | Home Workers (b) | All others not in (a) or (b) (c) | Total employed. (d) | Industrial (e) | Secondary. (f)             | Professional or University. (g) |                  |            |                                   |   |
| 2                       | 6             |                  | 10                               | 18                  | .....          | .....                      | .....                           | 296              | 314        | 151                               | 51  |

TABLE V.—Physically and Mentally Defective—(All Ages).

| (a)<br>Mentally Defective | (b)<br>Physically Defective. | (c)<br>Deaf. | (d)<br>Deaf mute. | (e)<br>Combina-<br>tion of<br>(a) & (b) | (f)<br>Combina-<br>tion of<br>(a) & (c)<br>or (d). | (g)<br>Combina-<br>tion of<br>(b) & (c)<br>or (d). | (h)<br>Combina-<br>tion of (a)<br>(b) & (c)<br>or (d). | Total. |
|---------------------------|------------------------------|--------------|-------------------|---|--|--|--|--------|
| 12                        | 28                           | 4            | 3                 | 1                                       | .....  | .....  | .....  | 48     |

TABLE VI.—Unemployable Blind Persons resident in :—

| (a)                     | (b)                 | (c)                                | Home Teachers<br>of the Blind. |
|-------------------------|---------------------|------------------------------------|--------------------------------|
| Homes for<br>the Blind. | Mental<br>Hospital. | Public Assistance<br>Institutions. |                                |
|                         | 3                   | 8                                  | 3                              |

TABLE VII.—New Cases registered during year ended 31/3/44.

| 0—1   | 1—5   | 5—16  | 16—21 | 21—40 | 40—50 | 50—65 | 65—70 | 70+ | Unknown | Total |
|-------|-------|-------|-------|-------|-------|-------|-------|-----|---------|-------|
| ..... | ..... | ..... | ..... | ..... | 4     | 4     | 5     | 5   | 2       | 20    |

TABLE VIII.—New Cases.—Age at which blindness occurred.

| 0—1   | 1—5   | 5—10  | 10—20 | 20—30 | 30—40 | 40—50 | 50—60 | 60—70 | 70+ | Unknown | Total |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|---------|-------|
| ..... | ..... | ..... | ..... | ..... | ..... | 3     | 7     | 5     | 5   | .....   | 20    |



Number of persons examined by Ophthalmic Surgeons during the year :—

Males : 19. Females : 21. Total : 40.

Number of persons found on examination NOT to be blind within the meaning of the Act :—

Males : 5. Females : 7. Total : 12.

*Diagnosis by Ophthalmic Surgeons :—*

|                                  | Males. | Females. | Total. |
|----------------------------------|--------|----------|--------|
| Optic Atrophy .....              | 1      | 1        | 2      |
| Cataract .....                   | 8      | 8        | 16     |
| Opacities of Lens .....          | 3      | 3        | 6      |
| Iridocyclitis .....              | .....  | 1        | 1      |
| Macular Choroido Retinitis ..... | 1      | 1        | 2      |
| High Myopia .....                | 1      | .....    | 1      |
|                                  | 14     | 14       | 28     |

## MILK CONTROL.

### Tuberculosis Orders, 1925 and 1938.

The number of animals slaughtered under the Tuberculosis Order, 1925, during the past five years is as follows :—

|      |       |    |
|------|-------|----|
| 1939 | ..... | 35 |
| 1940 | ..... | 14 |
| 1941 | ..... | 23 |
| 1942 | ..... | 28 |
| 1943 | ..... | 36 |
| 1944 | ..... | 24 |

The following table gives the number of licences issued under the Milk (Special Designations) Order, 1936, during the year 1944 :—

|  |       |      |
|--|-------|------|
| Number of " Accredited Milk " Licence holders in the County<br>on the 31st December, 1944        | ..... | 1216 |
| Number of New " Accredited Milk " Licences issued during<br>1944                                 | ..... | 63   |
| Number of " Tuberculin Tested Milk " Licence holders in the<br>County on the 31st December, 1944 | ..... | 219  |
| Number of New " Tuberculin Tested Milk " Licences issued<br>during 1944                          | ..... | 202  |

For purposes of comparison the following summary is given showing the number of licences issued up to the end of the last seven years :—

|                       | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 |
|-----------------------|------|------|------|------|------|------|------|
| Accredited Licences   | 758  | 920  | 1015 | 1047 | 1102 | 1152 | 1216 |
| Tuberculin Tested do. | 178  | 190  | 191  | 194  | 191  | 202  | 219  |

*Sampling of Designated Milk.*—The aim is to take four samples yearly of each designated milk. If three consecutive samples prove satisfactory during the year the fourth sample is not taken. If the results of consecutive samples are unsatisfactory a " run of samples " is taken.



The undermentioned table shows the number of samples taken during 1942, 1943 and 1944, and also shows the percentage of unsatisfactory samples :—

| Year. | No.<br>taken. | No.<br>Unsatisfactory. | %<br>Unsatisfactory |
|-------|---------------|------------------------|---------------------|
| 1942  | 918           | 339                    | 37%                 |
| 1943  | 767           | 495                    | 65%                 |
| 1944  | 729           | 416                    | 57%                 |

*Revocation of Licences.*—During 1944 two licences of Accredited Producers were revoked, owing to consistently unsatisfactory samples. One Tuberculin Tested Licence was suspended. Once a licence is revoked no re-application for a licence is considered until a period of six months has elapsed, and the licence is only then re-issued if the samples of milk taken at monthly intervals indicate a consistent standard of cleanliness.

*Milk in Schools Scheme.*—During 1944, 241 samples were taken by the Chief Inspector of Weights and Measures of milk supplied to schools. Of these 102 were found to be satisfactory and 139 unsatisfactory.

During 1944 137 samples were examined for *Mycobacterium Tuberculosis*. All these were negative for Tuberculosis, but seven were Positive for *Brucella Abortus*. No results were received in four cases.

*Milk and Dairies Order, 1926.*—The number of inspections of cowsheds and dairies carried out by the Local Sanitary Authorities in the County during 1944 was 1401, viz. :—Kidwelly Borough, 12 ; Llanelly Rural, 582 ; Llanelly Borough, 217 ; Burry Port Urban, 11 ; Ammanford Urban, 160 ; Cwmamman Urban, 14 ; Llandovery Borough, 10 ; Carmarthen Borough, 23 ; Carmarthen Rural, 328 ; Newcastle Emlyn Rural, 44 ; Llandilo Urban, 6 ; Llandilo Rural, 104.

The number of samples of milk taken by the Local Sanitary Authorities during 1944 was 1,260.

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## "VITAL STATISTICS"

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|                                     |       |   |
|-------------------------------------|-------|---|
| Causes of Death                     | ..... | 1 |
| Tuberculosis-work of Dispensaries   | ..... | 2 |
| Summary of Vaccination Returns      | ..... | 3 |
| Notification of Infectious Diseases | ..... | 4 |

---



The following table shows the number of deaths from various causes in the city of New York, during the year 1901.

| Cause of Death | Number of Deaths |
|----------------|------------------|
| Smallpox       | 1                |
| Scarlet fever  | 2                |
| Diphtheria     | 3                |
| Whooping cough | 4                |
| Measles        | 5                |
| Polio          | 6                |
| Typhoid fever  | 7                |
| Typhus         | 8                |
| Cholera        | 9                |
| Hepatitis      | 10               |
| Jaundice       | 11               |
| Leptospirosis  | 12               |
| Brucella       | 13               |
| Salmonella     | 14               |
| Shigella       | 15               |
| Yersinia       | 16               |
| Other          | 17               |

The following table shows the number of deaths from various causes in the city of New York, during the year 1902.

| Cause of Death | Number of Deaths |
|----------------|------------------|
| Smallpox       | 1                |
| Scarlet fever  | 2                |
| Diphtheria     | 3                |
| Whooping cough | 4                |
| Measles        | 5                |
| Polio          | 6                |
| Typhoid fever  | 7                |
| Typhus         | 8                |
| Cholera        | 9                |
| Hepatitis      | 10               |
| Jaundice       | 11               |
| Leptospirosis  | 12               |
| Brucella       | 13               |
| Salmonella     | 14               |
| Shigella       | 15               |
| Yersinia       | 16               |
| Other          | 17               |

The following table shows the number of deaths from various causes in the city of New York, during the year 1903.

| Cause of Death | Number of Deaths |
|----------------|------------------|
| Smallpox       | 1                |
| Scarlet fever  | 2                |
| Diphtheria     | 3                |
| Whooping cough | 4                |
| Measles        | 5                |
| Polio          | 6                |
| Typhoid fever  | 7                |
| Typhus         | 8                |
| Cholera        | 9                |
| Hepatitis      | 10               |
| Jaundice       | 11               |
| Leptospirosis  | 12               |
| Brucella       | 13               |
| Salmonella     | 14               |
| Shigella       | 15               |
| Yersinia       | 16               |
| Other          | 17               |

The following table shows the number of deaths from various causes in the city of New York, during the year 1904.

| Cause of Death | Number of Deaths |
|----------------|------------------|
| Smallpox       | 1                |
| Scarlet fever  | 2                |
| Diphtheria     | 3                |
| Whooping cough | 4                |
| Measles        | 5                |
| Polio          | 6                |
| Typhoid fever  | 7                |
| Typhus         | 8                |
| Cholera        | 9                |
| Hepatitis      | 10               |
| Jaundice       | 11               |
| Leptospirosis  | 12               |
| Brucella       | 13               |
| Salmonella     | 14               |
| Shigella       | 15               |
| Yersinia       | 16               |
| Other          | 17               |

The following table shows the number of deaths from various causes in the city of New York, during the year 1905.

| Cause of Death | Number of Deaths |
|----------------|------------------|
| Smallpox       | 1                |
| Scarlet fever  | 2                |
| Diphtheria     | 3                |
| Whooping cough | 4                |
| Measles        | 5                |
| Polio          | 6                |
| Typhoid fever  | 7                |
| Typhus         | 8                |
| Cholera        | 9                |
| Hepatitis      | 10               |
| Jaundice       | 11               |
| Leptospirosis  | 12               |
| Brucella       | 13               |
| Salmonella     | 14               |
| Shigella       | 15               |
| Yersinia       | 16               |
| Other          | 17               |

TABLE I.

Causes of and ages at death during the year 1944: —  
WHOLE COUNTY.

| Cause of Death.  | All<br>Ages. | Under<br>1<br>year. | 1 and<br>5<br>years. | 5 and<br>15<br>years. | 15 and<br>45<br>years. | 45 and<br>65<br>over. |
|--|--------------|---------------------|----------------------|-----------------------|------------------------|-----------------------|
| <b>All Causes—Males</b>                                | 1081         | 76                  | 18                   | 14                    | 132                    | 340                   |
| <b>Females</b>   | 1042         | 62                  | 15                   | 19                    | 133                    | 246                   |
| <b>Total</b>   | 2123         | 138                 | 33                   | 33                    | 265                    | 586                   |
| 1. Typhoid and Paratyphoid Fevers                      | 5            | 2                   | 1                    | 1                     | 1                      | 1                     |
| 2. Cerebro-Spinal Fever                                | 11           | 8                   | 2                    | 1                     | 1                      | 1                     |
| 3. Scarlet Fever                                       | 2            | 2                   | 2                    | 1                     | 1                      | 1                     |
| 4. Whooping Cough                                      | 112          | 1                   | 1                    | 1                     | 73                     | 25                    |
| 5. Diphtheria  | 21           | 4                   | 6                    | 9                     | 1                      | 1                     |
| 6. Tuberculosis of Respiratory System                  | 5            | 1                   | 1                    | 1                     | 3                      | 1                     |
| 7. Other forms of Tuberculosis                         | 18           | 1                   | 1                    | 1                     | 3                      | 5                     |
| 8. Syphilitic Diseases                                 | 3            | 1                   | 1                    | 1                     | 1                      | 1                     |
| 9. Influenza   | 33           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 10. Measles  | 78           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 11. Ac. Polio-myelitis and Polio-encaph.               | 30           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 12. Ac. Inf. encaph.                                   | 161          | 1                   | 1                    | 1                     | 1                      | 1                     |
| 13. Cancer of buc. cav. and oesoph. (m.), uterus (f.)  | 19           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 14. Cancer of Stomach and Duodenum                     | 254          | 1                   | 1                    | 1                     | 1                      | 1                     |
| 15. Cancer of Breast                                   | 461          | 1                   | 1                    | 1                     | 1                      | 1                     |
| 16. Cancer of all other sites                          | 53           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 17. Diabetes   | 119          | 1                   | 1                    | 1                     | 1                      | 1                     |
| 18. Intracranial vascular lesions                      | 74           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 19. Heart Disease                                      | 74           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 20. Other Diseases of Circulatory System               | 84           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 21. Bronchitis   | 16           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 22. Pneumonia  | 7            | 1                   | 1                    | 1                     | 1                      | 1                     |
| 23. Other Respiratory Diseases                         | 7            | 1                   | 1                    | 1                     | 1                      | 1                     |
| 24. Ulcer of Stomach or Duodenum                       | 16           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 25. Diarrhoea (under 2 years)                          | 7            | 1                   | 1                    | 1                     | 1                      | 1                     |
| 26. Appendicitis                                       | 7            | 1                   | 1                    | 1                     | 1                      | 1                     |
| 27. Other Digestive Diseases                           | 42           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 28. Nephritis  | 69           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 29. Puerperal and Post-Abortion Sepsis                 | 5            | 1                   | 1                    | 1                     | 1                      | 1                     |
| 30. Other Maternal Causes                              | 7            | 1                   | 1                    | 1                     | 1                      | 1                     |
| 31. Premature Birth                                    | 39           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 32. Congenital Malformation, Birth Injury, Infant Dis. | 51           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 33. Suicide  | 13           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 34. Road Traffic Accidents                             | 23           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 35. Other Violent Causes                               | 52           | 1                   | 1                    | 1                     | 1                      | 1                     |
| 36. All Other Causes                                   | 249          | 11                  | 1                    | 1                     | 1                      | 1                     |
| <b>Total</b>   | 2123         | 138                 | 33                   | 33                    | 265                    | 586                   |
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TABLE 2.

## TUBERCULOSIS.

TABLE SHOWING THE WORK OF THE DISPENSARIES.

| 1944  |            |       |           |       |         |       |                |       |         |     |           |       |      |              |
|---|------------|-------|-----------|-------|---------|-------|----------------|-------|---------|-----|-----------|-------|------|--------------|
| DIAGNOSIS.  | Pulmonary. |       |           |       |         |       | Non-Pulmonary. |       |         |     | Total.    |       |      | Grand Total. |
|   | Adults.    |       | Children. |       | Adults. |       | Children.      |       | Adults. |     | Children. |       |      |              |
|   | M.         | F.    | M.        | F.    | M.      | F.    | M.             | F.    | M.      | F.  | M.        | F.    |      |              |
|   |            |       |           |       |         |       |                |       |         |     |           |       |      |              |
| A. Number of definite cases of Tuberculosis on the Dispensary Register at the beginning of the year | 449        | 276   | 55        | 58    | 81      | 83    | 63             | 57    | 530     | 358 | 118       | 115   | 1121 |              |
| Transfers from other Authorities  | 9          | 10    | .....     | 2     | 2       | ..... | 1              | ..... | 11      | 10  | 1         | 2     | 24   |              |
| B. Number of New Cases diagnosed as Tuberculous during the year :—                                  |            |       |           |       |         |       |                |       |         |     |           |       |      |              |
| 1. Class TB. Minus  | 67         | 45    | 6         | 4     | .....   | ..... | .....          | ..... | 67      | 45  | 6         | 4     | 122  |              |
| 2. Class TB. Plus   | 31         | 26    | 1         | ..... | .....   | ..... | .....          | ..... | 31      | 26  | 1         | ..... | 58   |              |
| 3. Non-Pulmonary  | .....      | ..... | .....     | ..... | 15      | 13    | 8              | 5     | 15      | 13  | 8         | 5     | 41   |              |
| C. Number of cases included in A and B written off the Dispensary Register during the year as :—    |            |       |           |       |         |       |                |       |         |     |           |       |      |              |
| 1. Recovered  | 76         | 38    | 10        | 8     | 21      | 20    | 25             | 17    | 97      | 58  | 35        | 25    | 215  |              |
| 2. Dead (all causes)  | 72         | 45    | 3         | 4     | 5       | 1     | 1              | ..... | 77      | 46  | 4         | 4     | 131  |              |
| 3. Removed to other Areas   | 27         | 23    | 6         | 2     | 6       | 2     | 2              | 4     | 33      | 25  | 8         | 6     | 72   |              |
| 4. For other reasons  | 3          | 2     | 2         | ..... | .....   | 1     | 1              | 1     | 3       | 3   | 3         | 1     | 10   |              |
| D. Number of definite cases of Tuberculosis on the Dispensary Register at the end of the year       | 378        | 249   | 41        | 50    | 66      | 71    | 43             | 40    | 444     | 320 | 84        | 90    | 938  |              |



1885

1886

1887

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1889

1890

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1899

**TABLE 3.**  
SUMMARY OF VACCINATION OFFICERS' RETURNS RENDERED TO THE REGISTRAR GENERAL RESPECTING THE VACCINATION OF CHILDREN  
WHOSE BIRTHS WERE REGISTERED FROM 1st JANUARY to 31st DECEMBER, 1943.

| Vaccination Districts.                                | No. of Births entered in Birth Lists as registered during 1943. | Number of these Births duly entered by 31st January, 1944, in the Vaccination Register. |                              |                |   |                    | No. of these Births which remained Un-entered in the Vaccination Register on account of |  |   | Number of these Births remaining on the 31st January, 1944, neither duly entered in the Vaccination Reg. nor temporarily accounted for in the Report Book. | Total No. of Certificates of successful Primary Vaccination of Children under 14 received during the Calendar Year 1944. | No. 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 1944. |
|---|---|---|------------------------------|----------------|---|--------------------|---|--|---|--|--|---|
|   |   | Successfully Vaccinated.  | Innocentible of Vaccination. | Had Small Pox. | No. of Statutory Declarations received. | Died Unvaccinated. | Postponement by Medical Certificate.  | Removal to Districts the Vaccination Officers of which have been apprised. | Removal to places unknown or which cannot be reached. |  |  |   |
| Llanelli Urban  | 481   | 178   | ---                          | ---            | 105                                     | 22                 | 101   | 14   | ---   | ---  | 194  | 101   |
| Llanelli Rural  | 174   | 82  | ---                          | ---            | 23                                      | 9                  | 44  | 3  | ---   | ---  | 116  | 29  |
| Llanon  | 136   | 19  | ---                          | ---            | 25                                      | 5                  | 40  | ---  | 7   | ---  | 70   | ---   |
| Pembrey   | 170   | 107   | ---                          | ---            | 46                                      | 4                  | 13  | ---  | ---   | ---  | 141  | 20  |
| Conall  | 78  | 59  | 2                            | ---            | 4                                       | 2                  | 2   | 2  | 2   | 2  | 55   | 37  |
| St. Clears  | 69  | 59  | ---                          | ---            | 4                                       | 1                  | ---   | ---  | ---   | 5  | 100  | ---   |
| Llangenddoke  | 126   | 88  | ---                          | ---            | 7                                       | 8                  | 1   | ---  | 2   | 10   | 158  | 1   |
| Carmarthen  | 603   | 399   | 9                            | ---            | 60                                      | 22                 | 1   | 88   | 14  | ---  | 460  | 5   |
| Llanabrie   | 462   | 218   | ---                          | ---            | 122                                     | 10                 | 2   | 38   | ---   | 76   | 273  | 97  |
| Llandilo  | 69  | 33  | ---                          | ---            | 6                                       | 1                  | ---   | 1  | 1   | 27   | 65   | 7   |
| Llandovery  | 103   | 58  | ---                          | ---            | 18                                      | 3                  | 28  | 1  | ---   | 9  | 74   | 33  |
| Llanbrydy   | 75  | 44  | ---                          | ---            | 14                                      | 8                  | ---   | ---  | 5   | ---  | 65   | 12  |
| Llanbyther  | 33  | 16  | ---                          | ---            | 4                                       | ---                | ---   | ---  | 1   | 12   | 39   | 5   |
| Cenarth, Llanbhaiad ar Arth, Llangoler, Penboyr, etc. | 67  | 36  | ---                          | ---            | 5                                       | 3                  | ---   | ---  | ---   | 23   | 51   | 7   |
|   | 2649  | 1440  | 11                           | ---            | 454                                     | 59                 | 298   | 107  | 32  | 164  | 1852   | 478   |





TABLE 4.

1944.

CASES OF INFECTIOUS DISEASES "NOTIFIED" DURING THE YEAR  
ON THE WEEKLY RETURNS.

| Name of District.       | Small Pox. | Scarlet Fever. | Diphtheria. | Enteric and Para-typhoid Fever. | Puerperal Pyrexia. | Erysipelas. | Measles* | Ophthalmia. | Pneumonia (All Forms.) | Dysentery. | Cerebro Spinal Fever. | Chicken Pox. | Acute Polio-myelitis. | Encephalitis Lethargica. | Whooping Cough. |
|-------------------------|------------|----------------|-------------|---------------------------------|--------------------|-------------|----------|-------------|------------------------|------------|-----------------------|--------------|-----------------------|--------------------------|-----------------|
| <i>Urban Districts.</i> |            |                |             |                                 |                    |             |          |             |                        |            |                       |              |                       |                          |                 |
| Llanelli .....          | ....       | 137            | 12          | 1                               | 6                  | 8           | 60       | 4           | 62                     | 14         | 4                     | ....         | ....                  | ....                     | 215             |
| Cardarthen .....        | ....       | 20             | 4           | ....                            | 11                 | 2           | 8        | ....        | 5                      | 14         | 4                     | ....         | ....                  | ....                     | 36              |
| Llandilo .....          | ....       | 4              | 1           | ....                            | ....               | 1           | ....     | ....        | 1                      | ....       | 1                     | ....         | ....                  | ....                     | ....            |
| Llandoverly .....       | ....       | 7              | 2           | ....                            | ....               | ....        | 2        | ....        | ....                   | ....       | ....                  | ....         | ....                  | ....                     | 2               |
| Kidwelly .....          | ....       | 3              | 1           | ....                            | ....               | 2           | 1        | ....        | 3                      | 1          | ....                  | ....         | ....                  | ....                     | 90              |
| Newcastle Emlyn .....   | ....       | 1              | ....        | ....                            | ....               | ....        | 3        | ....        | 1                      | ....       | ....                  | ....         | ....                  | ....                     | 10              |
| Ammanford .....         | ....       | 9              | ....        | ....                            | ....               | 1           | 12       | ....        | 7                      | ....       | 1                     | ....         | ....                  | ....                     | 24              |
| Burry Port .....        | ....       | 20             | 1           | ....                            | 1                  | ....        | 1        | ....        | 3                      | ....       | ....                  | ....         | ....                  | ....                     | 69              |
| Cwmaman .....           | ....       | 2              | 7           | ....                            | 7                  | ....        | 15       | ....        | 8                      | ....       | ....                  | ....         | ....                  | ....                     | 9               |
| Total .....             | ....       | 203            | 28          | 1                               | 25                 | 14          | 102      | 4           | 90                     | 29         | 10                    | ....         | ....                  | ....                     | 455             |
| <i>Rural Districts.</i> |            |                |             |                                 |                    |             |          |             |                        |            |                       |              |                       |                          |                 |
| Llanelli .....          | ....       | 77             | 33          | ....                            | 1                  | ....        | 94       | 5           | 28                     | 3          | ....                  | ....         | 1                     | ....                     | 95              |
| Cardarthen .....        | ....       | 30             | 7           | 1                               | 3                  | 1           | 28       | ....        | 3                      | 6          | ....                  | ....         | ....                  | ....                     | 26              |
| Llandilo .....          | ....       | 23             | 4           | ....                            | 2                  | 3           | 13       | ....        | 23                     | ....       | 1                     | 1            | ....                  | ....                     | 34              |
| Newcastle Emlyn .....   | ....       | 2              | ....        | ....                            | ....               | 2           | ....     | ....        | 4                      | ....       | 1                     | ....         | ....                  | ....                     | 3               |
| Total .....             | ....       | 132            | 44          | 1                               | 6                  | 6           | 135      | 5           | 58                     | 9          | 2                     | 1            | 1                     | ....                     | 158             |
| Urban Area .....        | ....       | 203            | 28          | 1                               | 25                 | 14          | 102      | 4           | 90                     | 29         | 10                    | ....         | ....                  | ....                     | 455             |
| Rural Area .....        | ....       | 132            | 44          | 1                               | 6                  | 6           | 135      | 5           | 58                     | 9          | 2                     | 1            | 1                     | ....                     | 158             |
| Whole County .....      | ....       | 335            | 72          | 2                               | 31                 | 20          | 237      | 9           | 148                    | 38         | 12                    | 1            | 1                     | ....                     | 613             |

\*Not compulsorily Notifiable.











