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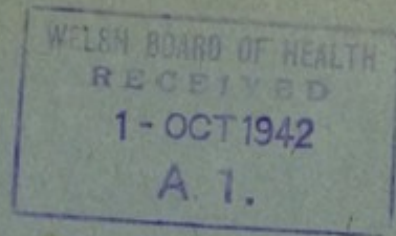
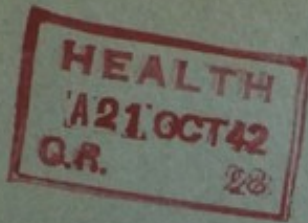
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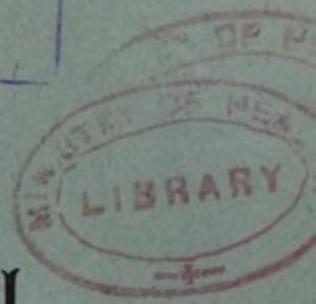
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## REPORT

OF THE

## Medical Officer of Health

FOR THE YEAR 1941.

E. COLSTON WILLIAMS, M.D., B.S. (Lond.), F.R.C.S. (Edin.), D.P.H. (Camb.),

MEDICAL OFFICER OF HEALTH.





# **Glamorgan County Council.**

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CARDIFF :

WILLIAM LEWIS (PRINTERS) LIMITED.



# Glamorgan County Council.

*To the Chairman and Members of the Public Health and Housing Committee.*

MR. CHAIRMAN, LADIES AND GENTLEMEN,

## ANNUAL REPORT, 1941.

It is still desired by the Ministry of Health that Annual Reports should be brief and, for the duration of the war, confined to essential matters.

The population of the County is increased to 740,310, there is a slight increase in the birth rate and a slight diminution in the death rate. The infant mortality rate shows a slight increase at 67 per 1,000 births as against 65 last year. The still-birth rate is diminished. The maternal mortality rate is now reduced to 3.87 per 1,000 births. The cancer rate shows a slight increase. There were considerably fewer deaths from measles and whooping cough.

In spite of prolonged hostilities and modification of food supplies, the health of the County has remained satisfactory and unaffected in any marked degree by epidemic visitation or nutritional damage except what is possibly revealed by an increase in pulmonary tuberculosis. Apart from nutrition, the most susceptible group, namely, young adults, has been subjected to novel industrial or service conditions, extra demands of working time, and obligations of civil defence and unavoidable domestic difficulties due to the multiform disturbances of war.

Though the initial period of strain in organisation of emergency hospital provision and the casualty services has passed, readjustments are constantly necessary due to the withdrawal of male and female staff of all grades by the demands of the Government for more personnel for the fighting services and war industries. The efficient maintenance of these special services and the satisfaction of the needs of the social services become increasingly difficult not only in personnel but in supplies.

Lessened transport for outside officers of the department in performance of their duties restricts their activities, the provision of night transport for midwives in country districts being the outstanding example.

It has fortunately been possible to complete the excellent hostel for the nurses at the Mid-Glamorgan Hospital and to go forward with improved kitchen provision there. The Church Village Hospital is nearly completed and should be ready for use by September next. The foundations and base walls of the 50-bedded maternity unit at the West Glamorgan Hospital are nearly completed.

The Committee has agreed to treat adult cases of non-tuberculous crippling not otherwise provided for.

It has not been possible to proceed further as yet with the scheme under the Cancer Act.

Dr. Culley, my valued Deputy, has taken an increasing share in all branches of the work of the department in a most efficient manner.

The staff of the department, both temporary and permanent, has given most willing and unstinted service in performance of their usual and unusual duties since the outbreak of war.

I have again to thank the Committee for their invariable willingness to extend and better the Hospital and Public Health services of the County.

I remain,

Your obedient servant,

(Signed) **E. COLSTON WILLIAMS,**

*County Medical Officer.*

*July, 1942.*



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## VITAL STATISTICS, 1941.

The following table gives the birth rate, death rate, and infant mortality rate for England and Wales and the Administrative County of Glamorgan for the year 1941, and, for the purpose of comparison, similar statistics for the years 1940 and 1921 are given.

|                                       | Birth Rate. |      |      | Death Rate. |      |      | Infant Mortality Rate. |      |      |
|---------------------------------------|-------------|------|------|-------------|------|------|------------------------|------|------|
|                                       | 1941        | 1940 | 1921 | 1941        | 1940 | 1921 | 1941                   | 1940 | 1921 |
| England and Wales .. .. .             | 14.2        | 14.6 | 22.4 | 12.9        | 14.3 | 12.1 | 59                     | 55   | 83   |
| Administrative County of Glamorgan .. | 16.7        | 16.3 | 28.1 | 13.2        | 13.4 | 11.2 | 67                     | 65   | 93   |
| Total Urban Districts .. .. .         | 16.9        | 16.3 | 28.9 | 13.7        | 13.9 | 11.4 | 69                     | 67   | 95   |
| Total Rural Districts .. .. .         | 16.0        | 16.1 | 25.8 | 11.7        | 11.8 | 10.5 | 62                     | 60   | 85   |
| URBAN DISTRICTS :—                    |             |      |      |             |      |      |                        |      |      |
| Aberdare .. .. .                      | 15.2        | 13.6 | 26.5 | 15.0        | 16.5 | 12.0 | 61                     | 80   | 105  |
| Barry Borough .. .. .                 | 18.2        | 16.0 | 24.9 | 13.0        | 13.1 | 9.4  | 43                     | 64   | 78   |
| Bridgend .. .. .                      | 18.0        | 14.1 | 24.6 | 12.1        | 10.3 | 12.5 | 56                     | 70   | 96   |
| Caerphilly .. .. .                    | 21.0        | 19.3 | 31.9 | 14.9        | 15.3 | 11.0 | 83                     | 87   | 92   |
| Cowbridge Borough .. .. .             | 6.8         | 15.7 | 24.6 | 15.1        | 13.0 | 14.9 | 222                    | —    | —    |
| Gelligaer .. .. .                     | 19.7        | 19.9 | 31.3 | 11.8        | 12.2 | 10.2 | 79                     | 68   | 94   |
| Glyncorrwg .. .. .                    | 21.7        | 23.9 | 31.9 | 10.4        | 14.0 | 11.5 | 58                     | 63   | 71   |
| Llchwyr .. .. .                       | 14.3        | 15.5 | 23.9 | 12.8        | 12.6 | 10.1 | 36                     | 88   | 93   |
| Maesteg .. .. .                       | 18.2        | 18.9 | 31.1 | 13.3        | 13.6 | 11.3 | 79                     | 81   | 85   |
| Mountain Ash .. .. .                  | 17.0        | 17.6 | 29.0 | 13.2        | 13.8 | 12.1 | 65                     | 51   | 83   |
| Neath Borough .. .. .                 | 14.0        | 13.3 | 26.9 | 14.0        | 13.7 | 12.8 | 82                     | 64   | 85   |
| Ogmore and Garw .. .. .               | 18.4        | 18.6 | 30.8 | 11.7        | 12.9 | 10.7 | 77                     | 65   | 85   |
| Penarth .. .. .                       | 14.6        | 12.2 | 22.6 | 15.3        | 14.7 | 10.6 | 48                     | 79   | 56   |
| Pontypridd .. .. .                    | 17.9        | 17.2 | 32.2 | 14.3        | 13.7 | 11.4 | 74                     | 50   | 105  |
| Porthcawl .. .. .                     | 13.2        | 11.6 | 22.8 | 13.5        | 12.2 | 10.5 | 44                     | 53   | 48   |
| Port Talbot Borough .. .. .           | 16.5        | 16.1 | 30.9 | 11.3        | 13.0 | 12.1 | 53                     | 65   | 87   |
| Rhondda .. .. .                       | 15.8        | 15.6 | 29.4 | 15.1        | 14.9 | 12.0 | 80                     | 63   | 109  |
| RURAL DISTRICTS :—                    |             |      |      |             |      |      |                        |      |      |
| Cardiff .. .. .                       | 13.3        | 13.7 | 21.0 | 10.3        | 10.9 | 9.6  | 32                     | 47   | 91   |
| Cowbridge .. .. .                     | 17.6        | 17.8 | 24.9 | 12.6        | 10.4 | 10.6 | 67                     | 72   | 46   |
| Gower .. .. .                         | 15.6        | 16.3 | 21.6 | 14.0        | 13.2 | 9.6  | 39                     | 42   | 55   |
| Llantrisant and Llantwit Fardre ..    | 18.8        | 19.5 | 31.0 | 11.8        | 13.5 | 11.0 | 69                     | 72   | 105  |
| Neath .. .. .                         | 16.4        | 17.0 | 28.5 | 12.7        | 11.4 | 11.2 | 71                     | 48   | 74   |
| Penybont .. .. .                      | 17.3        | 17.3 | 25.1 | 10.5        | 11.1 | 10.5 | 78                     | 69   | 89   |
| Pontardawe .. .. .                    | 14.7        | 13.4 | 27.4 | 11.9        | 12.6 | 10.9 | 57                     | 70   | 86   |

## POPULATION.

The population of the Administrative County as estimated by the Registrar General for the year 1941 is 740,310.



## EXTRACTS FROM VITAL STATISTICS.

The following is a short extract from the Vital Statistics of the year 1941 :—

| <i>Live Births :</i>  | <i>Total.</i>  | <i>Male.</i> | <i>Female.</i> |  |
|---|----------------|--------------|----------------|--|
| Legitimate .. ..  | 11,905         | 6,130        | 5,775          | { Birth rate per 1,000 of population,<br>16·7.           |
| Illegitimate .. ..  | 429            | 218          | 211            |  |
| <i>Stillbirths</i> .. ..                                      | 576            | 301          | 275            | { Rate per 1,000 total (live and still)<br>births, 44·6. |
| <i>Deaths</i> .. ..   | 9,739          | 5,423        | 4,316          | { Death rate per 1,000 of population,<br>13·2.           |
|   |                |              |                | <i>Rate per 1,000 total<br/>(live and still) births.</i> |
| <i>Deaths from Puerperal Causes :</i>                         | <i>Deaths.</i> |              |                |  |
| Puerperal Sepsis .. ..  | 14             |              |                | 1·08   |
| Other Puerperal Causes .. ..                                  | 36             |              |                | 2·79   |
| Total .. ..   | 50             |              |                | 3·87   |
| <i>Death rate of Infants under one year of age :</i>          |                |              |                |  |
| All infants per 1,000 live births .. ..                       |                |              |                | 67   |
| Legitimate infants per 1,000 legitimate live births .. ..     |                |              |                | 67   |
| Illegitimate infants per 1,000 illegitimate live births .. .. |                |              |                | 70   |
| <i>Deaths from Certain Causes :</i>                           |                |              |                |  |
| Cancer (all ages) .. ..                                       |                |              |                | 1,000  |
| Measles (all ages) .. ..                                      |                |              |                | 46   |
| Whooping Cough (all ages) .. ..                               |                |              |                | 46   |
| Diarrhoea (under 2 years of age) .. ..                        |                |              |                | 55   |

## MILK PRODUCTION.

In reporting the results of cleanliness sampling at the last Committee of the year, it was recorded that 13·7 per cent of tuberculin-tested milk samples were unsatisfactory and 24 per cent of the "Accredited" milk samples. Certain producers who had three consecutive bad samples were brought to the notice of the Committee, who decided to refuse a licence in the ensuing year to 16 of them. Thirteen appealed to the Ministry of Health against the Committee's decision and in all instances the appeals were dismissed.

There is a deterioration in the cleanliness and keeping quality of milk generally judging by laboratory results and information from various local sources. The farmer has his own labour and transport and other war-time problems as every other producer upon whom extra demands are made.

## CARDIFF AND COUNTY PUBLIC HEALTH LABORATORY.

The work of the laboratory has been well performed, in spite of staff changes. The services of Mr. Sugden, M.Sc., F.I.C., have been retained for another year to allow of a wider choice of a suitable successor later. The work of the bacteriological side has been done for us by arrangement with Dr. Allison and his staff since illness deprived us of the late Dr. Parry Morgan's services. Reorganisation of the work and extension of its scope is to be undertaken as soon as circumstances allow. The laboratory services are being increasingly used in epidemic disease investigation, both in hospital and in the County districts, as desired by the Ministry of Health and organised in conjunction with the Medical Research Council.

The following table gives an account of the work done at the Laboratory during the year 1941 for the Administrative County of Glamorgan.



| Description of Specimens or Samples.       | Total No.<br>examined | Results  |          | Percentage<br>of Positive<br>Results |
|--|-----------------------|----------|----------|--------------------------------------|
|  |                       | Positive | Negative |                                      |
| <i>Bacteriological Examinations :—</i>     |                       |          |          |                                      |
| Water Supplies .. .. .                     | 1022                  | —        | —        | —                                    |
| Milks for Tubercle Bacilli .. .. .         | 82                    | —        | —        | —                                    |
| Milks for General Examination .. .. .      | 2338                  | —        | —        | —                                    |
| Milk for Enteric, etc. .. .. .             | } 27                  | —        | —        | —                                    |
| Water for Enteric, etc. .. .. .            |                       | —        | —        | —                                    |
| Ice Cream .. .. .                          | 17                    | —        | —        | —                                    |
| Sputa for Tubercle Bacilli .. .. .         | 236                   | 30       | 206      | 12·7                                 |
| Urine for Tubercle Bacilli .. .. .         | 34                    | —        | 34       | —                                    |
| Faeces for Tubercle Bacilli .. .. .        | 9                     | —        | 9        | —                                    |
| Pus and Pleural Fluid ? T.B. .. .. .       | 35                    | —        | —        | —                                    |
| Diphtheria .. .. .                         | 16235                 | 3771     | 12464    | 23·5                                 |
| Haemolytic Streptococci .. .. .            | 1436                  | —        | —        | —                                    |
| Ringworm .. .. .                           | 19                    | —        | —        | —                                    |
| Sera for Enteric .. .. .                   | 193                   | 49       | 144      | 25·4                                 |
| Faeces for Enteric .. .. .                 | } 378                 | 93       | 285      | 24·6                                 |
| Urine for Enteric .. .. .                  |                       | —        | —        | —                                    |
| Faeces for Dysentery .. .. .               | 133                   | 16       | 117      | 12·0                                 |
| Faeces for Food Poisoning .. .. .          | 10                    | —        | —        | —                                    |
| Brucella Abortus .. .. .                   | 2                     | —        | —        | —                                    |
| Food for Enteric .. .. .                   | 3                     | —        | —        | —                                    |
| For Wassermann Reaction .. .. .            | 1442                  | 298      | 1144     | 20·6                                 |
| For Gonococcal Complement Fixation .. .. . | 242                   | 74       | 168      | 30·5                                 |
| For Gonococci .. .. .                      | 635                   | 242      | 393      | 38·1                                 |
| For Spirochaeta Pallida .. .. .            | 27                    | 14       | 13       | 51·8                                 |
| Blood Counts .. .. .                       | —                     | —        | —        | —                                    |
| Cerebro Spinal Fluid .. .. .               | 178                   | —        | —        | —                                    |
| Meningococci .. .. .                       | 93                    | —        | —        | —                                    |
| Rodents for Plague .. .. .                 | 110                   | —        | —        | —                                    |
| Other Examinations .. .. .                 | 63                    | —        | —        | —                                    |
| <i>Chemical Examinations. :—</i>           |                       |          |          |                                      |
| Food and Drugs Acts Samples .. .. .        | 1175                  | —        | —        | —                                    |
| Water Supplies .. .. .                     | 169                   | —        | —        | —                                    |
| River Waters .. .. .                       | 45                    | —        | —        | —                                    |
| Sewage and Sewage Effluents .. .. .        | 452                   | —        | —        | —                                    |
| Trade Effluents .. .. .                    | 82                    | —        | —        | —                                    |
| Milk and Milk Products .. .. .             | 487                   | —        | —        | —                                    |
| Cerebro Spinal Fluid .. .. .               | 4                     | —        | —        | —                                    |
| Urine Analyses .. .. .                     | 134                   | —        | —        | —                                    |
| Blood Ureas .. .. .                        | —                     | —        | —        | —                                    |
| Other Examinations .. .. .                 | 17                    | —        | —        | —                                    |
| Total .. .. .                              | 27564                 | 4587     | 14977    | —                                    |



## HOSPITALS.

The Church Village Hospital has been delayed in construction by shortage of labour and materials. After prolonged negotiations with the Ministry of Labour and the R.A.F., agreement was reached as to the modifications of the original specification which could be accepted to economise labour and materials and to allow it to be finished quickly in a way that would suffice for its immediate use by the R.A.F. By arrangement with them, the County Council is to be covered against loss or extra expenses necessitated by variation of the contract and as to subsequent finish according to the original specification, the Ministry of Health indicating their desire to help the County claim on the Treasury because of their co-operation in war needs. In September the R.A.F. should be in occupation and the building, though having only the minimal internal finish to allow of its use as a hospital, is in situation, design, and execution one of the finest examples of modern hospitals in the country.

At the West Glamorgan Hospital the new theatre, special departments, and nursing-training block are now in full use. The foundations of the new maternity section are almost finished and when the block is completed should be both in design and function an excellent example of a large maternity unit.

The new nurses hostel adjacent to our hospital at Bridgend is now occupied and provides bright, comfortable, and up-to-date accommodation for the nurses.

It was found necessary in view of the pressure on the maternity accommodation at the Llwynypia Hospital to set a strict limit to the admissions in order to prevent overcrowding and a decrease in the surgical and medical beds available.

After a detailed review of the salary scales and working conditions of the nursing staffs, considerable improvements were made generally but owing to shortage of accommodation for resident staff at Llwynypia it was not possible to do as much there as elsewhere.

The Nuffield Trustees have continued to suggest the inclusion of the local authority in their scheme of regionalisation of the voluntary hospitals, but as it means in effect giving up their statutory powers and duties in hospital provision to voluntary bodies, my Committee now views the Nuffield Trust proposals with increasing suspicion.

The supply of nurses to our hospitals owing to attractive accommodation, good training schools, and generally improved conditions is more than ample for our needs. It will now be possible to offer midwifery training to a proportion of our best pupils after passing their State examination. This has been made possible by an arrangement with the City of Cardiff and the Queen's Nursing Institute—the former providing the hospital training and the latter the domiciliary experience.

The following tables show (a) The Accommodation and Record of Cases Treated at the County Hospitals and Institutions during the year 1941 ; and (b) a Record of Admissions to Maternity Departments since 1930.



(a) ACCOMMODATION AND RECORD OF CASES TREATED DURING THE YEAR 1941.

| Institution.                   | No. of Beds. | No. of Patients admitted (including infants born in hospital). | No. discharged (including infants born in hospital). | No. of Patients in Institution on 31st December, 1941. | Total No. of Deaths. | No. of Surgical Operations performed. | MATERNITY CASES. |                 |                     |                      |                         | No. of Infant Deaths (under 1 year). |
|--------------------------------|--------------|--|--|--|----------------------|---------------------------------------|------------------|-----------------|---------------------|----------------------|-------------------------|--------------------------------------|
|                                |              |  |  |  |                      |                                       | Beds available.  | Cases admitted. | No. of Live Births. | No. of Still Births. | No. of Maternal Deaths. |                                      |
| Mid-Glamorgan County Hospital  | 134          | 3,252  | 2,986  | 228  | 198                  | 383                                   | 30               | 565             | 559                 | 33                   | 7                       | 15                                   |
| Llwynypia Hospital ..          | 182          | 3,226  | 3,046  | 149  | 194                  | 1,099                                 | 22               | 521             | 456                 | 41                   | 3                       | 36                                   |
| West Glamorgan County Hospital | 242          | 4,126  | 3,829  | 246  | 244                  | 680                                   | 40               | 862             | 679                 | 53                   | 5                       | 48                                   |
| Central Homes, Pontypridd      | 191          | 1,560  | 1,195  | 219  | 379                  | —                                     | 10               | 153             | 103                 | 1                    | —                       | 10                                   |
| Penmaen Institution ..         | 23           | 43   | 18   | 19   | 16                   | —                                     | —                | —               | —                   | —                    | —                       | —                                    |
| Pontardawe Institution         | 44           | 137  | 95   | 62   | 37                   | —                                     | 1                | 4               | 2                   | —                    | —                       | —                                    |
| Totals ..                      | 816          | 12,344   | 11,169   | 923  | 1,068                | 2,162                                 | 103              | 2,105           | 1,799               | 128                  | 15                      | 109                                  |

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(b) RECORD OF ADMISSIONS TO MATERNITY DEPARTMENTS OF COUNTY HOSPITALS AND INSTITUTIONS.

| Institution.      | Number of Cases admitted to Maternity Wards. |      |      |      |      |      |      |       |       |       |       | Total<br>No. of Cases<br>admitted. |        |
|-------------------|--|------|------|------|------|------|------|-------|-------|-------|-------|------------------------------------|--------|
|                   | 1930*  | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937  | 1938  | 1939  | 1940  |                                    | 1941   |
| Mid-Glam. County  | 26   | 54   | 79   | 136  | 185  | 277  | 304  | 287   | 279   | 339   | 364   | 565                                | 2,895  |
| Llwynypia ..      | 71   | 107  | 177  | 228  | 282  | 317  | 265  | 312   | 418   | 509   | 516   | 521                                | 3,723  |
| Penmaen ..        | —  | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —                                  | —      |
| West Glam. County | 39   | 61   | 40   | 66   | 119  | 187  | 352  | 432   | 536   | 583   | 731   | 862                                | 4,008  |
| Pontardawe ..     | 3  | 6    | 3    | 5    | 3    | 6    | 6    | 2     | 5     | 2     | 4     | 4                                  | 49     |
| Pontypridd ..     | 26   | 33   | 36   | 39   | 65   | 38   | 22   | 24    | 33    | 54    | 75    | 153                                | 598    |
| Totals ..         | 165  | 261  | 335  | 474  | 654  | 825  | 949  | 1,057 | 1,271 | 1,487 | 1,690 | 2,105                              | 11,273 |

\* From 1st April, 1930.



## HOUSING.

| District.                           | By Local Authority.   |   |                                      |   | By private enterprise, Building Societies, etc.               |   |  |
|-------------------------------------|---|---|--------------------------------------|---|---|---|--|
|                                     | Number of houses completed and occupied during the year 1941. | Number partly completed during the year 1941. | Number sanctioned but not commenced. | Total number of houses completed and occupied since 1918. | Number of houses completed and occupied during the year 1941. | Number partly completed during the year 1941. | Number for which plans were passed but not commenced during the year 1941. |
|                                     | (1)   | (2)   | (3)                                  | (4)   | (5)   | (6)   | (7)  |
| Aberdare .. ..                      | —   | —   | —                                    | *538  | 1   | —   | —  |
| Barry Borough .. ..                 | 127   | —   | —                                    | 1,181   | 5   | —   | —  |
| Bridgend .. ..                      | —   | —   | —                                    | 141   | 8   | —   | —  |
| Caerphilly .. ..                    | —   | —   | —                                    | 696   | —   | —   | —  |
| Cowbridge Borough .. ..             | —   | —   | —                                    | 12  | —   | —   | —  |
| Gelligaer .. ..                     | —   | —   | —                                    | 468   | —   | —   | —  |
| Glyncorrwg .. ..                    | —   | —   | —                                    | 282   | —   | —   | —  |
| Llwchwr .. ..                       | —   | —   | —                                    | 756   | 1   | —   | —  |
| Maesteg .. ..                       | —   | —   | —                                    | —   | —   | —   | —  |
| Mountain Ash .. ..                  | —   | —   | —                                    | —   | —   | —   | —  |
| Neath Borough .. ..                 | —   | —   | *102                                 | *823  | —   | —   | —  |
| Ogmore and Garw .. ..               | —   | —   | —                                    | 210   | —   | —   | —  |
| Penarth .. ..                       | —   | —   | —                                    | *107  | —   | —   | —  |
| Pontypridd .. ..                    | —   | —   | —                                    | 606   | †80   | —   | —  |
| Porthcawl .. ..                     | —   | —   | —                                    | —   | —   | —   | —  |
| Port Talbot Borough .. ..           | —   | —   | —                                    | 1,173   | —   | —   | —  |
| Rhondda .. ..                       | —   | —   | 20                                   | 285   | —   | —   | —  |
| Cardiff Rural .. ..                 | —   | —   | —                                    | 323   | 23  | 19  | —  |
| Cowbridge Rural .. ..               | 59  | 38  | —                                    | 527   | 32  | 68  | —  |
| Gower .. ..                         | —   | —   | —                                    | 64  | —   | —   | —  |
| Llantrisant & Llantwit Fardre .. .. | —   | —   | —                                    | 822   | —   | —   | —  |
| Neath Rural .. ..                   | —   | —   | —                                    | 800   | —   | —   | —  |
| Penybont .. ..                      | —   | —   | —                                    | 774   | —   | —   | —  |
| Pontardawe .. ..                    | —   | —   | —                                    | 1,081   | 2   | —   | 1  |
| TOTALS .. ..                        | 186   | 38  | 122                                  | 11,669  | 152   | 87  | 1  |

\* Including Flats.

† Hutments erected by Ministry of Aircraft Production, to be removed after war.

## TREATMENT OF VENEREAL DISEASES.

Preparations were made at the request of the Ministry of Health for the treatment of service cases but very few have attended probably because of the establishment of special service treatment centres in the area.

At Barry the increased number of merchant seamen resulted in an increase of work. This country is now the domicile of so many of the seafarers of enemy occupied countries and Norwegians, Dutchmen, and Greeks are added to our nationals. These seek treatment with commendable regularity while in port.

The use of M. & B. for gonorrhoeal infections relieves symptoms with rapidity and reduces the incidence of complications so that secondary arthritis formerly common is now rarely seen. With such prompt relief of symptoms, patients often cease to attend before complete cure is effected, and in women this is particularly regrettable as secondary infection of the genital tract results in intractable chronic disease.

It was thought that the incidence of syphilis might increase but this has not proved to be the case. There is ample provision at our clinics for dealing with an increased number of cases should occasion arise.



The comparative figures for new cases coming under clinic treatment are shown below :—

| Year | Syphilis | Soft Chancre | Gonorrhoea | Cases other than Venereal | Total |
|------|----------|--------------|------------|---------------------------|-------|
| 1927 | 408      | 10           | 819        | 190                       | 1,427 |
| 1928 | 425      | 11           | 893        | 173                       | 1,502 |
| 1929 | 376      | 11           | 990        | 216                       | 1,593 |
| 1930 | 410      | 4            | 1,038      | 262                       | 1,714 |
| 1931 | 413      | 6            | 937        | 205                       | 1,561 |
| 1932 | 361      | 7            | 736        | 197                       | 1,301 |
| 1933 | 383      | 1            | 924        | 197                       | 1,505 |
| 1934 | 384      | 5            | 889        | 210                       | 1,488 |
| 1935 | 282      | 2            | 594        | 201                       | 1,079 |
| 1936 | 202      | 1            | 668        | 174                       | 1,045 |
| 1937 | 167      | 5            | 589        | 291                       | 1,052 |
| 1938 | 174      | 7            | 535        | 276                       | 992   |
| 1939 | 127      | 3            | 502        | 228                       | 860   |
| 1940 | 106      | 6            | 397        | 193                       | 702   |
| 1941 | 97       | 5            | 326        | 196                       | 624   |

In the following tables, information relating to the examination and treatment of patients residing in the Administrative County of Glamorgan, undertaken at the Clinics at Pontypridd, Port Talbot, Barry, the Cardiff Royal Infirmary, and the Swansea General and Eye Hospital, is given.

#### PATIENTS TREATED AT CLINICS, 1941.

##### PONTYPRIDD.

|   | Syphilis. |     |       | Soft Chancre. |    |       | Gonorrhoea. |     |       | Cases other than Venereal. |    |       | Total. |
|---|-----------|-----|-------|---------------|----|-------|-------------|-----|-------|----------------------------|----|-------|--------|
|   | M.        | F.  | Total | M.            | F. | Total | M.          | F.  | Total | M.                         | F. | Total |        |
| New cases .. .. .   | 17        | 16  | 33    | —             | —  | —     | 109         | 27  | 136   | 85                         | 32 | 117   | 286    |
| Patients discharged after completion of treatment                           | 7         | 3   | 10    | —             | —  | —     | 41          | 8   | 49    | 85                         | 32 | 117   | 176    |
| Patients who ceased to attend Clinic before completion of treatment .. .. . | 24        | 20  | 44    | —             | —  | —     | 82          | 30  | 112   | —                          | —  | —     | 156    |
| Total number of attendances of patients at the Clinic                       | 1,239     | 829 | 2,068 | —             | —  | —     | 1,327       | 482 | 1,809 | 89                         | 32 | 121   | 3,998  |

##### PORT TALBOT.

|   | Syphilis. |     |       | Soft Chancre. |    |       | Gonorrhoea. |     |       | Cases other than Venereal. |    |       | Total. |
|---|-----------|-----|-------|---------------|----|-------|-------------|-----|-------|----------------------------|----|-------|--------|
|   | M.        | F.  | Total | M.            | F. | Total | M.          | F.  | Total | M.                         | F. | Total |        |
| New cases .. .. .   | 20        | 8   | 28    | 3             | —  | 3     | 67          | 17  | 84    | 22                         | 13 | 35    | 150    |
| Patients discharged after completion of treatment                           | 14        | 7   | 21    | 1             | —  | 1     | 47          | 7   | 54    | 22                         | 13 | 35    | 111    |
| Patients who ceased to attend Clinic before completion of treatment .. .. . | 6         | 3   | 9     | —             | —  | —     | 26          | 8   | 34    | —                          | —  | —     | 43     |
| Total number of attendances of patients at the Clinic ..                    | 984       | 417 | 1,401 | 8             | —  | 8     | 1,084       | 316 | 1,400 | 33                         | 23 | 56    | 2,865  |



## BARRY.

|   | Syphilis. |     |        | Soft Chancre. |    |        | Gonorrhoea. |     |        | Cases other than Venereal. |    |        | Total. |
|---|-----------|-----|--------|---------------|----|--------|-------------|-----|--------|----------------------------|----|--------|--------|
|   | M.        | F.  | Total. | M.            | F. | Total. | M.          | F.  | Total. | M.                         | F. | Total. |        |
| New cases .. ..   | 27        | 9   | 36     | 2             | —  | 2      | 90          | 16  | 106    | 27                         | 17 | 44     | 188    |
| Patients discharged after completion of treatment                         | 4         | 1   | 5      | 6             | —  | 6      | 21          | 5   | 26     | 27                         | 17 | 44     | 81     |
| Patients who ceased to attend Clinic before completion of treatment .. .. | 4         | 2   | 6      | —             | —  | —      | 12          | 11  | 23     | —                          | —  | —      | 29     |
| Total number of attendances of patients at the Clinic..                   | 783       | 393 | 1,176  | 75            | —  | 75     | 855         | 154 | 1,009  | 57                         | 44 | 101    | 2,361  |

## CARDIFF ROYAL INFIRMARY.

|   | Syphilis. |     |        | Soft Chancre. |    |        | Gonorrhoea. |     |        | Cases other than Venereal. |    |        | Total. |
|---|-----------|-----|--------|---------------|----|--------|-------------|-----|--------|----------------------------|----|--------|--------|
|   | M.        | F.  | Total. | M.            | F. | Total. | M.          | F.  | Total. | M.                         | F. | Total. |        |
| New cases .. ..   | 10        | 9   | 19     | —             | —  | —      | 17          | 9   | 26     | 10                         | 11 | 21     | 66     |
| Patients discharged after completion of treatment                         | 2         | —   | 2      | —             | —  | —      | 11          | 1   | 12     | 10                         | 10 | 20     | 34     |
| Patients who ceased to attend Clinic before completion of treatment .. .. | 8         | 3   | 11     | —             | —  | —      | 10          | 2   | 12     | —                          | —  | —      | 23     |
| Total number of attendances of patients at the Clinic ..                  | 326       | 347 | 673    | —             | —  | —      | 353         | 100 | 453    | 26                         | 28 | 54     | 1,180  |
| Aggregate number of "In-patient days" .. ..                               | —         | —   | —      | —             | —  | —      | —           | —   | —      | —                          | —  | —      | —      |

## SWANSEA GENERAL AND EYE HOSPITAL.

|   | Syphilis. |     |        | Soft Chancre. |    |        | Gonorrhoea. |     |        | Cases other than Venereal. |    |        | Total. |
|---|-----------|-----|--------|---------------|----|--------|-------------|-----|--------|----------------------------|----|--------|--------|
|   | M.        | F.  | Total. | M.            | F. | Total. | M.          | F.  | Total. | M.                         | F. | Total. |        |
| New cases .. ..   | 10        | 15  | 25     | —             | —  | —      | 45          | 10  | 55     | 9                          | 5  | 14     | 94     |
| Patients discharged after completion of treatment                         | —         | —   | —      | —             | —  | —      | 6           | 1   | 7      | 8                          | 5  | 13     | 20     |
| Patients who ceased to attend Clinic before completion of treatment .. .. | 18        | 7   | 25     | —             | —  | —      | 26          | 3   | 29     | —                          | —  | —      | 54     |
| Total number of attendances of patients at the Clinic ..                  | 221       | 264 | 485    | —             | —  | —      | 905         | 410 | 1,315  | 22                         | 11 | 33     | 1,833  |
| Aggregate number of "In-patient days" .. ..                               | 11        | —   | 11     | —             | —  | —      | —           | 82  | 82     | —                          | —  | —      | 93     |



### MATERNITY AND CHILD WELFARE.

The work of the County districts as Welfare Authorities has been increased by the provision of nursery schools for the children of women engaged in war industry. By the end of 1940 there were 13 of these opened and 17 in course of preparation, progress being necessarily slow, as suitable premises were not easily found and suitable staff with the necessary training or aptitude had to be recruited. At the present time training courses for women fitted to undertake such work have been promoted to help to meet the increasing demand.

Special efforts have been made in all the districts, at Government request, to increase the protection against diphtheria by immunisation. In this the County departments have co-operated by allowing the work to be done in infant departments or in other of our premises where convenient points of assembly offered. The work continues to make good progress.

There has been some slight increase in ante-natal work. The Welfare Clinics have also been made the channel of distribution of special articles reserved for infants and young children by the Ministry of Food.

### COUNTY MIDWIFERY SERVICE.

From the appended figures it will be seen what a large proportion (80%) of domiciliary midwifery is done by the County Midwives. The increase of maternity cases in the midwifery sections of the County Hospitals is notable. Over 2,000 were admitted there last year. Some increased demand for hospital admission may be caused by war-time conditions, difficulties of domestic help or accommodation at home or lodgings, but should the demand for hospital delivery continue in times of peace, as is probable, there will be a marked fall in domiciliary attendance and need for contraction of the domiciliary service.

In some instances complaints have reached the Committee about the County Midwifery Service, which, on enquiry, suggest that once the stimulus of competition for patients, as when in private practice, is removed, the needs of the patient do not receive the same attention. Unless the whole-time salaried service of County Midwives gives a better service in the home than was obtainable before, the recent national attempt at reform of domiciliary midwifery will not have fulfilled its purpose. In the great majority of cases the County Midwives have shown commendable devotion to duty. Under adverse conditions of weather and enemy attack their behaviour has been admirable. As half of the confinements in the County are attended by our Midwives some complaints justified or unjustified are to be expected.

The petrol restrictions have made marked changes in the availability and service of local garages, so that frequently cars are unobtainable for night calls. Naturally there are limits to the distance that a middle-aged woman who has to carry a heavy bag can travel on foot at night. So far our efforts with the Ministry of Health and the Petroleum Officer to provide better night hire have been unsuccessful, as also our attempt to get priority passes for the midwives on public transport during the day. Admission to hospital of the more awkwardly-situated cases seems the only practicable suggestion at present.

At the time of writing, the local supply of midwives for recruitment to fill gaps in the County Service seems exhausted. In the new arrangement for training of our own nurses in midwifery after they have obtained their State certificate of general nursing training, we shall have suitable recruits, but until then we must advertise. Until now our experience of local midwives who have done temporary service as reliefs by sick midwives or those on leave has enabled us to find suitable candidates.

The following table shows the operation of the County Midwifery Service for the year ended 31st December, 1941.



| Cases attended. |                     |        | Fees.                     |   |                 |
|-----------------|---------------------|--------|---------------------------|---|-----------------|
| As midwife.     | As maternity Nurse. | Total. | Full fee paid to Midwife. | On investigation of family circumstances. |                 |
|                 |                     |        |                           | Whole or part fee charged.                | No charge made. |
| 6,025           | *780                | 6,805  | 3,674 or 54%              | 1,207 or 17·7%                            | 1,924 or 28·3%  |

\* Includes 300 abortion cases.

#### BLIND PERSONS ACTS, 1920 AND 1938.

The latest ascertained number of registered blind persons is 1,510, and during the year the sum of £34,228 was expended in giving financial assistance to that large proportion of the whole, viz. the unemployable.

During the year, under the provisions of a circular issued by the Welsh Board of Health, arrangements were made for the inclusion of the names of assisted blind persons who had no other provision for medical treatment in the permanent medical relief list.

Application for additional financial aid continued to be received during the year from the Blind Institutions employing and training blind persons, and the difficulties of two of the Institutions were enhanced by the severe damage they sustained by enemy action.

#### STATISTICAL TABLES.

The following miscellaneous statistical tables are inserted for purposes of comparison :—

##### BIRTHS.

|                             | 1931. | 1932. | 1933. | 1934. | 1935. | 1936. | 1937. | 1938. | 1939. | 1940. | 1941. |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Administrative County .. .. | 16·8  | 16·4  | 16·0  | 16·5  | 16·0  | 15·4  | 15·3  | 15·4  | 15·6  | 16·3  | 16·7  |
| England and Wales .. ..     | 15·8  | 15·3  | 14·4  | 14·8  | 14·7  | 14·8  | 14·9  | 15·1  | 15·0  | 14·6  | 14·2  |

##### DEATH RATE.

|                             | 1931. | 1932. | 1933. | 1934. | 1935. | 1936. | 1937. | 1938. | 1939. | 1940. | 1941. |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Administrative County .. .. | 12·1  | 11·9  | 12·7  | 11·7  | 12·0  | 12·2  | 12·9  | 12·6  | 13·1  | 13·4  | 12·9  |
| England and Wales .. ..     | 12·3  | 12·0  | 12·3  | 11·8  | 11·7  | 12·1  | 12·4  | 11·6  | 12·1  | 14·3  | 13·2  |







## DIPHTHERIA (INCLUDING MEMBRANOUS CROUP).

|  | 1930. | 1931. | 1932. | 1933  | 1934. | 1935. | 1936. | 1937. | 1938. | 1939. | 1940. | 1941. |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cases .. ..                                | 2,187 | 1,513 | 1,088 | 1,068 | 1,463 | 1,300 | 1,133 | 1,463 | 2,017 | 1,958 | 2,572 | 2,182 |
| Attack-rate per 1,000 ..                   | 2.70  | 1.97  | 1.43  | 1.41  | 1.95  | 1.75  | 1.55  | 2.05  | 2.85  | 2.75  | 3.59  | 2.95  |
| Hospital cases .. ..                       | 1,542 | 963   | 811   | 881   | 1,229 | 1,078 | 919   | 1,074 | 1,659 | 1,716 | 2,436 | 1,938 |
| Deaths .. ..                               | 108   | 85    | 63    | 69    | 129   | 83    | 53    | 49    | 64    | 62    | 98    | 83    |
| Death-rate per 1,000 ..                    | 0.13  | 0.11  | 0.08  | 0.09  | 0.17  | 0.11  | 0.07  | 0.07  | 0.09  | 0.09  | 0.14  | 0.11  |
| England and Wales—<br>Death-rate per 1,000 | 0.09  | 0.07  | 0.06  | 0.06  | 0.10  | 0.08  | 0.07  | 0.07  | 0.07  | 0.05  | 0.06  | 0.07  |

## MEASLES.

|   | 1930. | 1931. | 1932. | 1933. | 1934. | 1935. | 1936. | 1937. | 1938. | 1939. | 1940. | 1941. |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Deaths .. ..                                | 72    | 120   | 9     | 85    | 30    | 42    | 9     | 41    | 14    | 22    | 18    | 46    |
| Death-rate per 1,000 ..                     | 0.09  | 0.16  | 0.01  | 0.11  | 0.04  | 0.06  | 0.01  | 0.06  | 0.02  | 0.03  | 0.03  | 0.06  |
| England and Wales.—<br>Death-rate per 1,000 | 0.10  | 0.08  | 0.08  | 0.05  | 0.09  | 0.03  | 0.07  | 0.02  | 0.04  | 0.01  | 0.02  | 0.03  |

## WHOOPIING COUGH.

|  | 1930. | 1931. | 1932. | 1933. | 1934 | 1935. | 1936. | 1937. | 1938. | 1939. | 1940. | 1941. |
|--|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| Deaths .. ..                               | 58    | 51    | 50    | 68    | 18   | 29    | 55    | 29    | 26    | 27    | 13    | 46    |
| Death-rate per 1,000 ..                    | 0.07  | 0.07  | 0.06  | 0.09  | 0.02 | 0.04  | 0.07  | 0.04  | 0.04  | 0.04  | 0.02  | 0.06  |
| England and Wales—<br>Death-rate per 1,000 | 0.05  | 0.06  | 0.07  | 0.05  | 0.05 | 0.04  | 0.05  | 0.04  | 0.03  | 0.03  | 0.02  | 0.06  |



## TYPHOID (INCLUDING PARATYPHOID).

| Year. | Administrative County of Glamorgan. |                        |         |                       | England and Wales.    |
|-------|-------------------------------------|------------------------|---------|-----------------------|-----------------------|
|       | Cases.                              | Attack-rate per 1,000. | Deaths. | Death-rate per 1,000. | Death-rate per 1,000. |
| 1899. | 1,487                               | 2.41                   | 215     | 0.34                  | 0.19                  |
| 1904. | 825                                 | 1.27                   | 194     | 0.39                  | 0.23                  |
| 1914. | 110                                 | 0.14                   | 28      | 0.03                  | 0.05                  |
| 1927. | 23                                  | 0.03                   | 4       | 0.005                 | 0.01                  |
| 1928. | 24                                  | 0.03                   | 2       | 0.002                 | 0.01                  |
| 1929. | 19                                  | 0.02                   | 2       | 0.002                 | 0.01                  |
| 1930. | 33                                  | 0.04                   | 3       | 0.004                 | 0.01                  |
| 1931. | 20                                  | 0.03                   | 4       | 0.005                 | 0.01                  |
| 1932. | 7                                   | 0.01                   | 1       | 0.001                 | 0.01                  |
| 1933. | 15                                  | 0.02                   | 1       | 0.001                 | 0.01                  |
| 1934. | 11                                  | 0.01                   | 2       | 0.002                 | 0.00                  |
| 1935. | 21                                  | 0.03                   | 2       | 0.003                 | 0.00                  |
| 1936. | 38                                  | 0.05                   | 4       | 0.005                 | 0.00                  |
| 1937. | 37                                  | 0.05                   | 4       | 0.006                 | 0.00                  |
| 1938. | 10                                  | 0.01                   | 1       | 0.001                 | 0.00                  |
| 1939. | 41                                  | 0.06                   | 1       | 0.001                 | 0.00                  |
| 1940. | 15                                  | 0.02                   | 1       | 0.001                 | 0.00                  |
| 1941. | 66                                  | 0.09                   | 4       | 0.005                 | 0.00                  |

## DIARRHOEA AND ENTERITIS (INFANTS UNDER 2 YEARS).

|                             | 1930. | 1931. | 1932. | 1933. | 1934. | 1935. | 1936. | 1937. | 1938. | 1939. | 1940. | 1941. |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Deaths .. ..                | 75    | 68    | 58    | 75    | 48    | 54    | 53    | 37    | 36    | 40    | 51    | 55    |
| Death-rate per 1,000 births | 5.5   | 5.2   | 4.6   | 6.2   | 3.9   | 4.5   | 4.7   | 3.38  | 3.30  | 3.59  | 4.29  | 4.33  |
| England and Wales—          |       |       |       |       |       |       |       |       |       |       |       |       |
| Death-rate per 1,000 births | 6.0   | 6.0   | 6.6   | 7.1   | 5.5   | 5.7   | 5.9   | 5.8   | 5.5   | 4.6   | 4.6   | 5.1   |



## TUBERCULOSIS.

|                            |                            |    |    | 1931. | 1932. | 1933. | 1934. | 1935. | 1936. | 1937. | 1938. | 1939. | 1940. | 1941. |
|----------------------------|----------------------------|----|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cases notified—            |                            |    |    |       |       |       |       |       |       |       |       |       |       |       |
| Phthisis                   | ..                         | .. | .. | 1,121 | 1,080 | 896   | 1,055 | 868   | 838   | 828   | 842   | 844   | 975   | 933   |
| Other Tuberculous diseases |                            |    |    | 427   | 394   | 367   | 412   | 315   | 314   | 320   | 345   | 310   | 332   | 355   |
| Deaths—                    |                            |    |    |       |       |       |       |       |       |       |       |       |       |       |
| Phthisis                   | ..                         | .. | .. | 612   | 577   | 631   | 594   | 536   | 503   | 513   | 491   | 469   | 477   | 492   |
| Other Tuberculous diseases |                            |    |    | 148   | 135   | 139   | 135   | 128   | 107   | 106   | 105   | 83    | 119   | 107   |
| Case Mortality per cent—   |                            |    |    |       |       |       |       |       |       |       |       |       |       |       |
| Phthisis                   | ..                         | .. | .. | 54.6  | 53.4  | 70.4  | 56.3  | 61.7  | 60.2  | 61.9  | 58.3  | 55.7  | 48.9  | 52.7  |
| Other Tuberculous diseases |                            |    |    | 34.7  | 34.3  | 37.9  | 32.8  | 40.6  | 34.1  | 33.1  | 30.4  | 26.8  | 35.8  | 30.1  |
| Death-rate per 1,000.      | Administrative County—     |    |    |       |       |       |       |       |       |       |       |       |       |       |
|                            | Phthisis..                 | .. | .. | 0.79  | 0.76  | 0.83  | 0.79  | 0.72  | 0.69  | 0.72  | 0.69  | 0.66  | 0.67  | 0.66  |
|                            | Other Tuberculous diseases |    |    | 0.19  | 0.18  | 0.18  | 0.18  | 0.17  | 0.15  | 0.15  | 0.15  | 0.12  | 0.17  | 0.14  |
|                            | Urban Districts—           |    |    |       |       |       |       |       |       |       |       |       |       |       |
|                            | Phthisis..                 | .. | .. | 0.83  | 0.77  | 0.88  | 0.82  | 0.77  | 0.75  | 0.75  | 0.73  | 0.74  | 0.70  | 0.71  |
|                            | Other Tuberculous diseases |    |    | 0.21  | 0.19  | 0.19  | 0.20  | 0.17  | 0.15  | 0.15  | 0.16  | 0.14  | 0.18  | 0.15  |
|                            | Rural Districts—           |    |    |       |       |       |       |       |       |       |       |       |       |       |
|                            | Phthisis..                 | .. | .. | 0.67  | 0.71  | 0.69  | 0.68  | 0.56  | 0.50  | 0.63  | 0.59  | 0.42  | 0.57  | 0.54  |
|                            | Other Tuberculous diseases |    |    | 0.13  | 0.14  | 0.17  | 0.12  | 0.18  | 0.13  | 0.13  | 0.10  | 0.05  | 0.12  | 0.12  |
|                            | England and Wales—         |    |    |       |       |       |       |       |       |       |       |       |       |       |
|                            | Phthisis                   | .. | .. | 0.74  | 0.69  | 0.69  | 0.63  | 0.60  | 0.58  | 0.58  | 0.53  | *     | *     | *     |
|                            | Other Tuberculous diseases |    |    | 0.15  | 0.15  | 0.13  | 0.13  | 0.11  | 0.11  | 0.11  | 0.10  | *     | *     | *     |

\* Figures not available.

The deaths from tuberculosis, which had been gradually decreasing, show a setback in 1941 and are, with a difference of one, the same as in 1938. Industrial demands—more particularly on young women,—diet restrictions, increased bodily and mental strain, along with pressure on housing space due to evacuation and changes of work place are all adverse conditions, and it is fortunate that the results have not been worse. There is less accommodation available at tuberculosis sanatoria and hospitals and less staff to work them.

An after-care scheme was put before the Health Committee in May, 1940, but it was not thought practicable to implement it at that time. Cases coming within the scope of the Public Assistance Committee have received every consideration in the meantime.

## PUERPERAL SEPSIS.

|                             |    |    |    | 1930. | 1931. | 1932. | 1933. | 1934. | 1935. | 1936. | 1937. | 1938. | 1939. | 1940. | 1941. |
|-----------------------------|----|----|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Deaths                      | .. | .. | .. | 32    | 23    | 33    | 30    | 48    | 37    | 29    | 17    | 15    | 15    | 14    | 14    |
| Death-rate per 1,000 births |    |    |    | 2.36  | 1.78  | 2.63  | 2.48  | 3.88  | 3.10  | 2.57  | 1.55  | 1.37  | 1.35  | 1.18  | 1.10  |
| England and Wales—          |    |    |    |       |       |       |       |       |       |       |       |       |       |       |       |
| Death-rate per 1,000 births |    |    |    | 1.92  | 1.66  | 1.61  | 1.79  | 2.03  | 1.68  | 1.40  | 0.97  | 0.89  | 0.77  | —     | —     |



## OTHER PUERPERAL CAUSES.

|                             | 1930. | 1931. | 1932. | 1933. | 1934. | 1935 | 1936. | 1937. | 1938. | 1939. | 1940. | 1941. |
|-----------------------------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| Deaths .. .. .              | 54    | 34    | 68    | 53    | 52    | 47   | 35    | 36    | 50    | 43    | 37    | 36    |
| Death-rate per 1,000 births | 3.98  | 2.63  | 5.42  | 4.38  | 4.20  | 3.94 | 3.10  | 3.29  | 4.58  | 3.86  | 3.11  | 2.83  |
| England and Wales—          |       |       |       |       |       |      |       |       |       |       |       |       |
| Death-rate per 1,000 births | 2.48  | 2.45  | 2.63  | 2.63  | 2.57  | 2.42 | 2.41  | 2.26  | 2.19  | 2.16  | —     | —     |

## CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE IN THE ADMINISTRATIVE COUNTY OF GLAMORGAN DURING THE YEAR 1941.

| Causes of Death.                                  | 0-1 year |     | 1-5 years |     | 5-15 years |    | 15-45 years |     | 45-65 years |      | 65 years and upward |      | All ages |      | Totals |
|---|----------|-----|-----------|-----|------------|----|-------------|-----|-------------|------|---------------------|------|----------|------|--------|
|   | M.       | F.  | M.        | F.  | M.         | F. | M.          | F.  | M.          | F.   | M.                  | F.   | M.       | F.   |        |
| Typhoid and Paratyphoid Fevers                    | —        | —   | —         | —   | 1          | —  | 1           | 2   | —           | —    | —                   | —    | 2        | 2    | 4      |
| Cerebro-Spinal Fever .. ..                        | 5        | —   | 12        | 3   | 8          | 5  | 10          | 4   | 5           | 3    | —                   | 2    | 40       | 17   | 57     |
| Scarlet Fever .. .. .                             | —        | —   | 2         | 1   | —          | —  | 1           | —   | —           | —    | —                   | —    | 3        | 1    | 4      |
| Whooping Cough .. .. .                            | 13       | 11  | 7         | 14  | —          | 1  | —           | —   | —           | —    | —                   | —    | 20       | 26   | 46     |
| Diphtheria .. .. .                                | 2        | 2   | 20        | 15  | 17         | 20 | 2           | 5   | —           | —    | —                   | —    | 41       | 42   | 83     |
| Tuberculosis of respiratory system                | —        | —   | —         | 1   | 6          | 4  | 151         | 200 | 86          | 24   | 15                  | 5    | 258      | 234  | 492    |
| Other Forms of Tuberculosis ..                    | 1        | —   | 6         | 15  | 10         | 10 | 27          | 27  | 7           | 2    | 2                   | —    | 53       | 54   | 107    |
| Syphilitic Diseases .. .. .                       | —        | 2   | —         | —   | —          | —  | 5           | 2   | 23          | 5    | 9                   | —    | 37       | 9    | 46     |
| Influenza .. .. .                                 | 4        | 3   | 3         | 2   | 3          | —  | 17          | 11  | 47          | 21   | 43                  | 43   | 117      | 80   | 197    |
| Measles .. .. .                                   | 5        | 5   | 17        | 14  | 3          | 1  | —           | —   | —           | 1    | —                   | —    | 25       | 21   | 46     |
| Ac. Polio-myel. and Polio-enceph.                 | 1        | —   | —         | —   | 1          | 2  | 3           | —   | 1           | —    | —                   | —    | 6        | 2    | 8      |
| Acute Inf. Encephalitis .. ..                     | —        | —   | —         | —   | 1          | —  | 3           | 3   | 2           | 1    | 1                   | —    | 7        | 4    | 11     |
| Cancer of Buc. Cav. and Oesoph.<br>(M) Uterus (F) | —        | —   | —         | —   | —          | —  | 3           | 9   | 19          | 36   | 38                  | 21   | 60       | 66   | 126    |
| Cancer of Stomach and Duodenum                    | —        | 1   | —         | —   | —          | —  | 5           | 1   | 66          | 52   | 74                  | 43   | 145      | 97   | 242    |
| Cancer of Breast .. .. .                          | —        | —   | —         | —   | —          | —  | 1           | 15  | 1           | 50   | 1                   | 30   | 3        | 95   | 98     |
| Cancer of all other sites .. ..                   | —        | —   | —         | —   | 3          | 2  | 21          | 22  | 116         | 102  | 163                 | 105  | 303      | 231  | 534    |
| Diabetes .. .. .                                  | —        | —   | —         | —   | 1          | 1  | —           | 9   | 8           | 22   | 15                  | 26   | 24       | 58   | 82     |
| Intra-Cranial Vascular Lesions ..                 | —        | —   | —         | 1   | —          | —  | 7           | 4   | 112         | 130  | 311                 | 334  | 430      | 469  | 899    |
| Heart Disease .. .. .                             | —        | —   | 1         | —   | 3          | 12 | 83          | 77  | 342         | 256  | 696                 | 624  | 1125     | 969  | 2094   |
| Other Diseases of Circ. System ..                 | 1        | —   | —         | —   | —          | —  | —           | 2   | 14          | 15   | 70                  | 63   | 85       | 80   | 165    |
| Bronchitis .. .. .                                | 42       | 26  | 10        | 10  | 3          | 3  | 20          | 13  | 186         | 58   | 258                 | 225  | 519      | 335  | 854    |
| Pneumonia .. .. .                                 | 92       | 57  | 32        | 19  | 4          | 1  | 28          | 20  | 71          | 32   | 51                  | 35   | 278      | 164  | 442    |
| Other Respiratory Diseases .. ..                  | 1        | 3   | —         | 2   | 3          | 1  | 18          | 14  | 81          | 23   | 42                  | 19   | 145      | 62   | 207    |
| Ulcer of Stomach or Duodenum ..                   | —        | —   | —         | —   | —          | —  | 13          | 2   | 29          | 4    | 12                  | 3    | 54       | 9    | 63     |
| Diarrhoea, under two years .. ..                  | 28       | 21  | 2         | 4   | —          | —  | —           | —   | —           | —    | —                   | —    | 30       | 25   | 55     |
| Appendicitis .. .. .                              | —        | —   | 1         | —   | 5          | 1  | 7           | 8   | 4           | 4    | 2                   | 2    | 19       | 15   | 34     |
| Other Digestive Diseases .. .. .                  | 20       | 4   | 8         | 4   | 4          | 3  | 6           | 11  | 32          | 33   | 32                  | 47   | 102      | 102  | 204    |
| Nephritis .. .. .                                 | 1        | —   | —         | —   | 4          | 2  | 22          | 34  | 30          | 49   | 87                  | 66   | 144      | 151  | 295    |
| Puerperal and Post-Abort: Sepsis                  | —        | —   | —         | —   | —          | —  | —           | 14  | —           | —    | —                   | —    | —        | 14   | 14     |
| Other Maternal Causes .. .. .                     | —        | —   | —         | —   | —          | —  | —           | 34  | —           | 2    | —                   | —    | —        | 36   | 36     |
| Premature Birth .. .. .                           | 131      | 80  | —         | —   | —          | —  | —           | —   | —           | —    | —                   | —    | 131      | 80   | 211    |
| Con. Mal. Birth Inj. Infant Dis.                  | 126      | 63  | 5         | 3   | 4          | 1  | 3           | 2   | 1           | —    | —                   | —    | 139      | 69   | 208    |
| Suicide .. .. .                                   | —        | —   | —         | —   | —          | —  | 8           | 5   | 13          | 7    | 8                   | 1    | 29       | 13   | 42     |
| Road Traffic Accidents .. .. .                    | —        | —   | 17        | 5   | 10         | 8  | 35          | 4   | 31          | 2    | 22                  | —    | 115      | 19   | 134    |
| Other Violent Causes .. .. .                      | 10       | 7   | 15        | 14  | 26         | 6  | 131         | 32  | 91          | 26   | 48                  | 40   | 324      | 125  | 449    |
| All Other Causes .. .. .                          | 49       | 34  | 13        | 17  | 17         | 15 | 70          | 68  | 105         | 92   | 356                 | 314  | 610      | 540  | 1150   |
| All Causes .. .. .                                | 532      | 319 | 171       | 144 | 137        | 99 | 701         | 654 | 1526        | 1052 | 2356                | 2048 | 5423     | 4316 | 9739   |



# NOTIFICATION OF INFECTIOUS DISEASES.

|                                      | Estimated<br>Popula-<br>tion,<br>1941. | SMALLPOX. |      |               | SCARLET FEVER. |      |               | DIPHTHERIA.<br>(Includes Mem. Croup.) |      |               | TYPHOID<br>FEVER |      | PARA-TYPHOID |      |               | ERYSIPELAS. |      | PUERPERAL<br>PYREXIA. |                                | Phthisis and other<br>Tuberculous<br>Diseases | Ophthalmia<br>Neonatorum | Pneumonia | Encephalitis<br>Lethargica | Dysentery. | Cerebro-Spinal<br>Fever | Malaria. | Acute<br>Polomyelitis | Membranous<br>Croup. |
|--------------------------------------|--|-----------|------|---------------|----------------|------|---------------|---------------------------------------|------|---------------|------------------|------|--------------|------|---------------|-------------|------|-----------------------|--------------------------------|---|--------------------------|-----------|----------------------------|------------|-------------------------|----------|-----------------------|----------------------|
|                                      |  | Cases     | Rate | Hos-<br>pital | Cases          | Rate | Hos-<br>pital | Cases                                 | Rate | Hos-<br>pital | Cases            | Rate | Cases        | Rate | Hos-<br>pital | Cases       | Rate | Cases                 | Rate<br>per<br>1,000<br>Births |   |                          |           |                            |            |                         |          |                       |                      |
| Administrative County                | 740,310                                | ..        | ..   | ..            | 1282           | 1.73 | 830           | 2182                                  | 2.95 | 1938          | 29               | 0.04 | 37           | 0.05 | 48            | 186         | 0.25 | 103                   | 8.10                           | 1288  | 82                       | 1326      | 3                          | 7          | 371                     | 3        | 21                    | ..                   |
| Urban Districts                      | 547,510                                | ..        | ..   | ..            | 1087           | 1.99 | 693           | 1744                                  | 3.19 | 1540          | 23               | 0.04 | 35           | 0.06 | 41            | 143         | 0.26 | 85                    | 8.90                           | 992   | 71                       | 1151      | 2                          | 5          | 274                     | 3        | 13                    | ..                   |
| Rural Districts                      | 192,800                                | ..        | ..   | ..            | 195            | 1.01 | 137           | 438                                   | 2.27 | 398           | 6                | 0.03 | 2            | 0.01 | 7             | 43          | 0.22 | 18                    | 5.69                           | 296   | 11                       | 175       | 1                          | 2          | 97                      | ..       | 8                     | ..                   |
| URBAN.                               |  |           |      |               |                |      |               |                                       |      |               |                  |      |              |      |               |             |      |                       |                                |   |                          |           |                            |            |                         |          |                       |                      |
| Aberdare                             | ..                                     | ..        | ..   | ..            | 90             | 2.06 | 11            | 264                                   | 6.04 | 213           | 2                | 0.05 | 13           | 0.30 | 9             | 10          | 0.23 | 5                     | 7.44                           | 83  | 9                        | 106       | ..                         | ..         | 7                       | ..       | ..                    | ..                   |
| Barry Borough                        | ..                                     | ..        | ..   | ..            | 59             | 1.48 | 52            | 110                                   | 2.76 | 101           | 2                | 0.05 | ..           | ..   | ..            | 8           | 0.20 | 4                     | 5.41                           | 52  | 1                        | 49        | ..                         | ..         | 12                      | 1        | ..                    | ..                   |
| Bridgend..                           | ..                                     | ..        | ..   | ..            | 10             | 0.78 | 9             | 18                                    | 1.40 | 18            | 1                | 0.08 | ..           | ..   | 1             | 1           | 0.08 | ..                    | ..                             | 26  | ..                       | ..        | ..                         | ..         | 6                       | ..       | ..                    | ..                   |
| Caerphilly                           | ..                                     | ..        | ..   | ..            | 37             | 1.09 | 20            | 112                                   | 3.30 | 84            | 2                | 0.06 | 3            | 0.09 | 1             | 11          | 0.32 | 8                     | 11.03                          | 57  | ..                       | 26        | ..                         | 2          | 18                      | ..       | 1                     | ..                   |
| Cowbridge Borough                    | ..                                     | ..        | ..   | ..            | 1              | 0.76 | ..            | ..                                    | ..   | ..            | ..               | ..   | ..           | ..   | ..            | 1           | 0.76 | ..                    | ..                             | ..  | ..                       | ..        | ..                         | ..         | ..                      | ..       | ..                    | ..                   |
| Gelligaer                            | ..                                     | ..        | ..   | ..            | 48             | 1.29 | 27            | 142                                   | 3.82 | 123           | 3                | 0.08 | 7            | 0.19 | 10            | 7           | 0.19 | 4                     | 5.37                           | 68  | 2                        | 41        | ..                         | ..         | 10                      | ..       | 2                     | ..                   |
| Glyncorrwg                           | ..                                     | ..        | ..   | ..            | 15             | 1.58 | ..            | 16                                    | 1.68 | ..            | ..               | ..   | ..           | ..   | ..            | 2           | 0.21 | ..                    | ..                             | 14  | ..                       | 19        | ..                         | ..         | 5                       | ..       | ..                    | ..                   |
| Lluchwr                              | ..                                     | ..        | ..   | ..            | 55             | 2.14 | 40            | 64                                    | 2.49 | 59            | ..               | ..   | ..           | ..   | ..            | 9           | 0.35 | 4                     | 10.42                          | 41  | ..                       | 24        | ..                         | ..         | 27                      | ..       | ..                    | ..                   |
| Maesteg..                            | ..                                     | ..        | ..   | ..            | 95             | 3.97 | 85            | 58                                    | 2.43 | 57            | ..               | ..   | ..           | ..   | ..            | 6           | 0.25 | 3                     | 6.59                           | 43  | 4                        | 72        | ..                         | ..         | 15                      | ..       | ..                    | ..                   |
| Mountain Ash                         | ..                                     | ..        | ..   | ..            | 56             | 1.64 | 32            | 191                                   | 5.59 | 168           | ..               | ..   | 7            | 0.20 | 7             | 5           | 0.15 | 3                     | 4.78                           | 79  | ..                       | 79        | 1                          | ..         | 10                      | ..       | 1                     | ..                   |
| Neath Borough                        | ..                                     | ..        | ..   | ..            | 8              | 0.26 | 1             | 42                                    | 1.39 | 48            | ..               | ..   | ..           | ..   | ..            | ..          | 1    | 2.35                  | 55                             | 1   | 4                        | ..        | ..                         | 22         | ..                      | 1        | ..                    | ..                   |
| Ogmore and Garw                      | ..                                     | ..        | ..   | ..            | 85             | 3.38 | 49            | 93                                    | 3.68 | 93            | 2                | 0.08 | 1            | 0.04 | 3             | 10          | 0.40 | 5                     | 10.44                          | 48  | 3                        | 104       | ..                         | ..         | 20                      | ..       | ..                    | ..                   |
| Penarth..                            | ..                                     | ..        | ..   | ..            | 1              | 0.06 | 1             | 7                                     | 0.45 | ..            | 5                | 0.32 | ..           | ..   | ..            | 1           | 0.06 | 13                    | 56.28                          | 15  | 5                        | 123       | ..                         | 1          | 19                      | 2        | ..                    | ..                   |
| Pontypridd                           | ..                                     | ..        | ..   | ..            | 51             | 1.28 | 49            | 205                                   | 5.15 | 186           | 2                | 0.05 | 3            | 0.08 | 4             | 19          | 0.48 | 12                    | 16.53                          | 75  | 17                       | 40        | ..                         | ..         | 10                      | ..       | 1                     | ..                   |
| Porthcawl                            | ..                                     | ..        | ..   | ..            | 11             | 1.07 | 3             | 9                                     | 0.88 | 9             | ..               | ..   | ..           | ..   | ..            | ..          | 2    | 14.60                 | 21                             | ..  | 6                        | ..        | ..                         | 3          | ..                      | 2        | ..                    | ..                   |
| Port Talbot Borough                  | ..                                     | ..        | ..   | ..            | 42             | 1.03 | 37            | 39                                    | 0.96 | 47            | ..               | ..   | ..           | ..   | ..            | 12          | 0.29 | ..                    | ..                             | 95  | ..                       | 6         | ..                         | ..         | 37                      | ..       | 1                     | ..                   |
| Rhondda                              | ..                                     | ..        | ..   | ..            | 423            | 3.43 | 277           | 374                                   | 3.03 | 334           | 4                | 0.03 | 1            | 1.01 | 6             | 41          | 0.33 | 21                    | 10.10                          | 220   | 29                       | 452       | 1                          | 2          | 53                      | ..       | 4                     | ..                   |
| RURAL.                               |  |           |      |               |                |      |               |                                       |      |               |                  |      |              |      |               |             |      |                       |                                |   |                          |           |                            |            |                         |          |                       |                      |
| Cardiff                              | ..                                     | ..        | ..   | ..            | 29             | 0.83 | 20            | 36                                    | 1.02 | 32            | 1                | 0.03 | 1            | 0.03 | 2             | 5           | 0.14 | 2                     | 4.26                           | 33  | 5                        | 16        | ..                         | 2          | 10                      | ..       | ..                    | ..                   |
| Cowbridge                            | ..                                     | ..        | ..   | ..            | 11             | 0.87 | 7             | 19                                    | 1.50 | 11            | 2                | 0.16 | ..           | ..   | 2             | 1           | 0.08 | ..                    | ..                             | 23  | ..                       | 9         | ..                         | ..         | 12                      | ..       | 1                     | ..                   |
| Gower                                | ..                                     | ..        | ..   | ..            | 8              | 0.70 | 9             | 40                                    | 3.52 | 32            | ..               | ..   | ..           | ..   | ..            | 1           | 0.09 | ..                    | ..                             | 11  | ..                       | ..        | ..                         | ..         | 3                       | ..       | ..                    | ..                   |
| Llantrisant and Llan-<br>twit Fardre | ..                                     | ..        | ..   | ..            | 36             | 1.37 | 13            | 167                                   | 6.37 | 159           | 2                | 0.08 | ..           | ..   | 1             | 11          | 0.42 | 6                     | 11.79                          | 35  | 2                        | 22        | ..                         | ..         | 9                       | ..       | 1                     | ..                   |
| Neath                                | ..                                     | ..        | ..   | ..            | 38             | 0.94 | 25            | 99                                    | 2.46 | 92            | ..               | ..   | 1            | 0.02 | 1             | 6           | 0.15 | 7                     | 10.36                          | 85  | 2                        | 90        | 1                          | ..         | 24                      | ..       | ..                    | ..                   |
| Penybont                             | ..                                     | ..        | ..   | ..            | 25             | 0.76 | 24            | 23                                    | 0.70 | 22            | 1                | 0.03 | ..           | ..   | 1             | 10          | 0.31 | 1                     | 1.73                           | 54  | ..                       | 19        | ..                         | ..         | 9                       | ..       | 6                     | ..                   |
| Pontardawe                           | ..                                     | ..        | ..   | ..            | 48             | 1.40 | 39            | 54                                    | 1.57 | 50            | ..               | ..   | ..           | ..   | ..            | 9           | 0.26 | 2                     | 3.81                           | 55  | 2                        | 19        | ..                         | ..         | 30                      | ..       | ..                    | ..                   |



## VITAL STATISTICS, ETC., 1941.

[illegible]



| Diarrhoea<br>(under 2 years)                | Appendicitis                              | Other<br>Digestive<br>Diseases                 | Nephritis                                      | Puerperal and<br>Post-Abort:<br>Septicæ   | Other Maternal<br>Causes                  | Premature<br>Births                            | Con. Mal.<br>Birth Inj.<br>Infant Dis.              | Suicide                                   | Road Traffic<br>Accidents                          | Other Violent<br>Causes                               | All Other<br>Causes                                     | All Causes  | Birth-rate   | Crude<br>Death-rate  | DEATH-RATE PER 1000 POPULATION  |   |  |  |  |   |  |  |  |  |   |   |   |   | RATE PER 1000<br>LIVE BIRTHS  |   |  |  |  |
|---|---|--|--|---|---|--|---|---|--|---|---|---|--|--|---|---|--|--|--|---|--|--|--|--|---|---|---|---|---|---|--|--|--|
|   |   |  |  |   |   |  |   |   |  |   |   |   |  |  | Typhoid and<br>Paratyphoid<br>Fever                                     | Small Pox   | Measles  | Scarlet Fever  | Whooping<br>Cough  | Diphtheria  | Influenza  | Tuberculosis<br>of Respiratory<br>System.  | Tuberculosis,<br>Other forms   | Respiratory<br>Diseases  | Suicide and<br>other Violence   | Infantile<br>Mortality  | Diarrhoea, etc.<br>(under 2 years)  | Puerperal and<br>Post-Abort:<br>Septicæ   | Other<br>Maternal<br>Causes   |   |  |  |  |
| 35<br>43<br>12                              | 34<br>28<br>6                             | 204<br>156<br>48                               | 295<br>223<br>72                               | 14<br>12<br>2                             | 26<br>28<br>8                             | 211<br>161<br>50                               | 208<br>155<br>53                                    | 42<br>31<br>11                            | 134<br>90<br>44                                    | 449<br>320<br>129                                     | 1150<br>881<br>269                                      | 9739<br>7483<br>2256  | 14.2<br>16.7<br>16.0   | 12.9<br>13.2<br>11.7   | 0.00<br>0.003<br>0.005  | —<br>—<br>—   | 0.03<br>0.06<br>0.08   | 0.00<br>0.01<br>—  | 0.06<br>0.06<br>—  | 0.07<br>0.13<br>0.07  | 0.19<br>0.32<br>0.12   | —<br>0.66<br>0.54  | —<br>0.14<br>0.12  | —<br>2.03<br>1.69  | —<br>0.84<br>0.95   | 59<br>67<br>62  | 5.1<br>4.33<br>3.80   | 0.48<br>1.10<br>0.63  | 1.75<br>2.83<br>2.83  | England and Wales.<br>Administrative County.<br>Urban Districts.<br>Rural Districts.                      |  |  |  |
| URBAN.                                      |   |  |  |   |   |  |   |   |  |   |   |   |  |  |   |   |  |  |  |   |  |  |  |  |   |   |   |   |   |   |  |  |  |
| 4<br>12<br>2<br>9<br>1<br>3<br>4<br>1<br>13 | 2<br>6<br>1<br>1<br>1<br>1<br>1<br>4<br>8 | 18<br>8<br>13<br>8<br>6<br>10<br>12<br>4<br>35 | 21<br>11<br>9<br>10<br>4<br>5<br>7<br>15<br>69 | 2<br>1<br>2<br>—<br>2<br>1<br>1<br>—<br>2 | 2<br>2<br>3<br>2<br>4<br>1<br>—<br>—<br>5 | 8<br>2<br>12<br>12<br>3<br>8<br>11<br>15<br>41 | 11<br>6<br>4<br>21<br>1<br>2<br>14<br>2<br>11<br>39 | 3<br>4<br>—<br>—<br>—<br>—<br>—<br>—<br>5 | 5<br>7<br>6<br>17<br>4<br>2<br>14<br>1<br>12<br>20 | 31<br>28<br>5<br>20<br>11<br>9<br>32<br>1<br>26<br>94 | 109<br>56<br>22<br>5<br>8<br>3<br>51<br>52<br>39<br>184 | 657<br>516<br>156<br>508<br>439<br>329<br>317<br>423<br>296<br>240<br>587<br>138<br>461<br>1858 | 15.2<br>18.2<br>18.0<br>21.0<br>19.7<br>14.3<br>18.2<br>14.0<br>18.4<br>14.6<br>17.9<br>13.2<br>16.5<br>15.8 | 15.0<br>13.0<br>12.1<br>14.9<br>11.8<br>12.8<br>13.3<br>14.0<br>11.7<br>13.3<br>14.3<br>13.5<br>11.3<br>15.1 | —<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>— | —<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>— | 0.05<br>0.05<br>0.08<br>0.06<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>— | 0.02<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>— | 0.09<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>— | 0.11<br>0.13<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>—<br>— | 0.78<br>0.93<br>0.31<br>0.77<br>0.59<br>0.05<br>0.23<br>0.04<br>0.08<br>0.19<br>0.35<br>0.38<br>0.29<br>0.64<br>0.69 | 0.05<br>0.10<br>1.88<br>1.01<br>2.74<br>0.88<br>3.78<br>0.57<br>0.95<br>0.62<br>2.21<br>0.63<br>0.41<br>1.82<br>1.46<br>0.88<br>0.49<br>0.96 | 1.97<br>0.98<br>0.70<br>0.88<br>0.88<br>2.72<br>0.79<br>0.58<br>2.60<br>4.83<br>5.21<br>1.59<br>2.35<br>2.09<br>1.38<br>1.48<br>0.96 | 0.89<br>0.98<br>0.70<br>0.88<br>0.88<br>2.72<br>0.79<br>0.58<br>2.60<br>4.83<br>5.21<br>1.59<br>2.35<br>2.09<br>1.38<br>1.48<br>0.96 | 61<br>43<br>56<br>83<br>79<br>222<br>79<br>58<br>26<br>483<br>10.42<br>6.71<br>6.38<br>6.38<br>77<br>48<br>74<br>44<br>80 | 5.05<br>2.70<br>—<br>2.76<br>—<br>—<br>6.71<br>4.83<br>2.60<br>4.83<br>5.21<br>1.59<br>2.35<br>2.09<br>1.38<br>1.48<br>0.96 | 2.98<br>2.98<br>—<br>2.76<br>—<br>—<br>6.71<br>4.83<br>2.60<br>4.83<br>5.21<br>1.59<br>2.35<br>2.09<br>1.38<br>1.48<br>0.96 | 2.98<br>2.98<br>—<br>2.76<br>—<br>—<br>6.71<br>4.83<br>2.60<br>4.83<br>5.21<br>1.59<br>2.35<br>2.09<br>1.38<br>1.48<br>0.96 | Aberdare.<br>Barry Borough.<br>Bridgend.<br>Caerphilly.<br>Cowbridge Borough.<br>Gelligaer.<br>Glyncoedwg.<br>Llanidwr.<br>Maesteg.<br>Mountain Ash.<br>Neath Borough.<br>Ogmore and Garw.<br>Penarth.<br>Pontypridd.<br>Port Talbot Borough.<br>Rhondda. |   |  |  |  |
| RURAL.                                      |   |  |  |   |   |  |   |   |  |   |   |   |  |  |   |   |  |  |  |   |  |  |  |  |   |   |   |   |   |   |  |  |  |
| 1<br>1<br>2<br>2<br>2<br>2                  | 2<br>1<br>1<br>1<br>1<br>2                | 15<br>1<br>5<br>4<br>7<br>13                   | 10<br>7<br>4<br>10<br>24<br>12                 | —<br>—<br>—<br>—<br>—<br>—                | 1<br>1<br>—<br>—<br>—<br>—                | 5<br>2<br>3<br>5<br>9<br>8                     | 3<br>2<br>5<br>14<br>11<br>11                       | 5<br>1<br>—<br>—<br>—<br>—                | 7<br>3<br>6<br>7<br>11<br>4                        | 11<br>10<br>29<br>44<br>39<br>21                      | 43<br>20<br>29<br>44<br>49<br>45                        | 361<br>180<br>159<br>309<br>513<br>409  | 13.3<br>17.6<br>15.8<br>18.8<br>16.4<br>14.7   | 10.3<br>12.6<br>14.0<br>11.8<br>12.7<br>11.9   | —<br>—<br>—<br>—<br>—<br>—  | —<br>—<br>—<br>—<br>—<br>—  | —<br>—<br>—<br>—<br>—<br>—   | —<br>—<br>—<br>—<br>—<br>—   | —<br>—<br>—<br>—<br>—<br>—   | —<br>—<br>—<br>—<br>—<br>—  | 0.03<br>0.24<br>0.53<br>0.11<br>0.07<br>0.03   | 0.60<br>0.39<br>0.24<br>1.23<br>0.79<br>0.52<br>0.27<br>0.37<br>0.76   | 0.06<br>0.39<br>0.24<br>1.23<br>0.79<br>0.52<br>0.27<br>0.37<br>0.76   | 1.22<br>1.89<br>0.89<br>1.68<br>1.54<br>2.11<br>1.01<br>0.73   | 0.65<br>1.10<br>0.39<br>0.99<br>1.34<br>1.01<br>0.73  | 32<br>67<br>39<br>69<br>71<br>78<br>347<br>57   | 2.13<br>4.44<br>11.11<br>5.89<br>4.44<br>3.47<br>—<br>—   | —<br>—<br>—<br>—<br>—<br>—<br>—<br>—  | 2.13<br>4.44<br>11.11<br>5.89<br>4.44<br>3.47<br>—<br>—   | Cardiff.<br>Cowbridge.<br>Gower.<br>Llantrisant and Llantwit Fardre.<br>Neath.<br>Penarth.<br>Pontardawe. |  |  |  |











