

**[Report 1941] / Medical Officer of Health, Anglesey County Council.**

**Contributors**

Anglesey (Wales). County Council. no2003102100

**Publication/Creation**

1941

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COUNTY OF ANGLESEY



# ANNUAL REPORT

OF THE

MEDICAL OFFICER  
OF HEALTH

FOR THE YEAR 1941



ARNOLD DAVIES, B.A., M.D., D.P.H.

County Medical Officer



# ANNUAL REPORT

OF THE

## COUNTY MEDICAL OFFICER

### 1941

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In accordance with the instructions of the Welsh Board of Health the Report for the year 1941 has been drastically curtailed.

The statistical figures are based on the population figures received from the Registrar General. Owing to the changes in population it is difficult to assess the statistical figures with a high degree of accuracy.

The more important statistics are as follows:—

Birth Rate	15.52	Deaths from Heart Disease	202
Death Rate	16.83	Deaths from Malignant Disease	124
Infant Mortality		Deaths from Intracranial	
Rate	82.15	vascular lesions	94
		Deaths from Tuberculosis	
		(Pul)	45

A statistical summary of Cancer mortality figures is included in this report.

#### SECTION A.

##### 1.—GENERAL STATISTICS.

Area (Acres)	... ..		176,694
Population.		For Birth rate and	
Estimated mid-year 1941		For Death Rate	50,360
Number of Inhabited Houses, 1931	... ..		13,110
Number of Families or Separated Occupiers	... ..		13,186
Rateable Value	... ..		£172,770
Sum produced by a Penny Rate 1941-1942 (Estimated)			£672 11s. 7d.

## II.—EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

...	Total.	Males.	Females.		
Births—Legitimate	708	371	337		
Illegitimate	74	38	36		
Total	782	409	373	Birth-Rate	15.52
Stillbirths	39	20	19		
	Rate per 1,000 total Births			...	45.77
Deaths	859	435	424	Death-Rate	16.83
Number of women dying in, or in consequence					
of childbirth—From Sepsis	...	1	1	Rate per 1,000	
From other causes		3		live births	4.68
Deaths of Infants under one year of age—					
Legitimate		Rate per 1,000 Births		...	74.55
Illegitimate		Rate per 1,000 Births		...	162.16
Total		Rate per 1,000 Births		...	82.15
Deaths from Measles (all ages)	Rate per 1,000 Population				—
Deaths from Whooping Cough (all ages)				do.	.15
Deaths from Diarrhoea (under 2 years)				do.	.09

### MATERNAL MORTALITY—1941.

There were 4 maternal deaths as below:—

Holyhead U.D.	1	Post Partum inversion of Uterus.
Aethwy R.D.	2	1 (a) Pulmonary Embolism.
	1	(a) Toxaemia *
		(b) Toxic Hepatitis.
Twrcelyn R.D.	1	(a) Post Partum Haemorrhage.
		(b) Ante Partum
		Haemorrhage.
		(c) Placenta Praevia and
		Pregnancy.

\*There is a difference of opinion regarding this reported case of maternal mortality in Aethwy.

### ANALYSIS OF CANCER DEATHS

MALE.	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
Under 20 .....	—	—	—	—	—	—	—	—	—	—	2	—
20—29.....	—	—	—	—	1	—	—	—	—	1	—	—
30—39.....	1	1	1	—	1	1	2	—	—	—	—	—
40—49.....	2	3	—	1	3	1	2	2	4	3	2	5
50—59.....	2	5	13	10	7	8	9	6	7	2	14	10
60—69.....	9	20	8	27	15	21	27	25	30	11	8	18
70—79 .....	19	7	13	21	12	9	26	11	15	18	17	23
80—89.....	—	5	1	6	6	1	5	5	2	6	5	3
90 and over .....	—	—	—	—	—	—	—	—	—	1	1	—
	33	41	36	65	45	41	71	49	58	42	49	59
	=	=	=	=	=	=	=	=	=	=	=	=

The general Cancer death rate for the six years period 1930—1935 was 2.2 per thousand, for the period 1936—41 the average rate was 2.3 per thousand,

## ANALYSIS OF CANCER DEATHS

FEMALE	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
Under 20 .....	—	1	—	—	1	2	—	—	—	—	—	—
20—29 .....	—	—	—	—	—	1	1	1	—	—	—	—
30—39 .....	3	1	3	—	—	5	4	3	2	1	2	3
40—49 .....	5	10	2	5	5	3	4	6	5	3	4	4
50—59 .....	11	13	5	10	16	11	8	6	17	12	5	17
60—69 .....	22	14	15	17	20	23	16	12	20	18	19	17
70—79 .....	13	10	15	9	22	21	21	15	15	15	11	17
80—89 .....	10	6	3	10	6	2	6	6	4	8	1	7
90 and over .....	1	—	—	—	—	—	—	—	—	—	—	—
	65	55	43	51	70	68	60	49	63	57	42	65

## ANALYSIS OF CANCER DEATHS

MALE.	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
<i>Buccal Cavity and Pharynx:</i>												
Lips and tongue...	2	1	3	4	1	2	2	—	3	1	3	1
Other parts.....	—	—	4	2	5	4	1	—	—	2	6	5
<i>Digestive Organs and Peritoneum:</i>												
Oesophagus .....	1	1	1	1	3	—	1	2	5	—	5	3
Stomach & duodenum .....	9	18	20	29	18	16	22	18	22	13	8	17
Rectum .....	4	2	7	6	1	4	9	5	5	5	5	7
Other intestines ...	5	5	9	11	5	5	16	11	8	9	5	6
Liver and Biliary passages .....	3	2	3	2	—	1	5	—	1	2	1	6
Pancreas and Peritoneum .....	—	2	1	—	1	1	2	1	2	—	—	—
<i>Respiratory System:</i>												
Larynx & Trachea	—	—	—	1	—	—	3	2	—	—	3	5
Lung and Pleura...	—	1	1	1	—	1	2	2	4	—	4	3
<i>Male Genital Organs.</i>	3	2	—	3	6	2	3	1	—	1	—	—
<i>Urinary Organs</i> .....	—	—	—	1	—	—	1	1	3	1	2	—
<i>Skin</i> .....	3	1	—	1	—	—	1	1	—	—	—	—
<i>Brain &amp; Nervous System</i> .....	—	—	—	—	—	—	—	—	—	—	1	—
<i>Other or Unspecified Organs</i> .....	2	4	3	—	4	2	2	4	4	6	2	5
<i>Bones</i> .....	1	2	—	3	1	3	1	1	1	2	4	1
	33	41	52	65	45	41	71	49	58	42	49	59

## ANALYSIS OF CANCER DEATHS

FEMALE.	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
<i>Buccal Cavity and Pharynx:</i>												
Lips and tongue...	1	—	—	—	1	1	—	—	1	—	—	—
Other parts.....	4	4	1	2	3	2	2	—	—	1	7	1
<i>Digestive Organs and Peritoneum:</i>												
Oesophagus .....	2	3	—	5	3	3	1	1	3	4	1	4
Stomach & duodenum .....	19	21	19	12	26	16	18	16	17	14	11	25
Rectum .....	2	3	1	3	—	1	4	3	1	2	2	1
Other intestines...	12	8	11	9	8	10	10	8	6	7	2	2
Liver and biliary passages .....	4	3	2	2	7	4	4	8	7	7	—	6
Pancreas & Peritoneum .....	1	—	2	1	1	1	2	1	3	—	—	—
<i>Respiratory System:</i>												
Larynx & Trachea	2	—	—	1	1	4	—	2	1	—	—	5
Lung and pleura...	—	1	—	—	3	1	1	—	1	—	1	2
<i>Female Genital Organs</i>	10	9	5	8	8	13	9	7	15	8	1	7
<i>Breast</i> .....	6	3	7	5	7	7	3	—	6	11	9	6
<i>Urinary Organs</i> .....	—	—	1	1	—	—	—	—	—	—	3	—
<i>Skin</i> .....	—	—	—	—	—	1	—	—	—	1	—	—
<i>Brain and Nervous System</i> .....	—	—	—	—	—	—	—	—	—	—	—	—
<i>Other or Unspecified Organs</i> .....	1	—	1	1	2	—	—	—	1	2	—	2
<i>Bones</i> .....	1	—	1	1	—	4	6	3	1	—	5	4
	65	55	51	51	70	68	60	49	63	57	42	65

In order of frequency malignant disease of the digestive organs takes the first place in males and females. Malignant disease of the genital organs comes second.

## ANALYSIS OF CANCER DEATHS

MALE	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
Agricultural workers (inc. gardeners) ...	9	14	13	17	13	6	19	15	18	14	15	15
Marine Engineers & Stokers .....	1	1	—	3	—	2	3	1	—	1	3	8
Stewards and cooks .	2	—	—	2	—	—	—	—	1	1	—	—
Mariners & seamen .	—	2	7	7	4	—	5	3	1	2	—	—
Coal miners, dealers and trimmers .....	1	1	—	1	—	1	1	—	1	1	2	—
Building contractors	—	1	1	—	—	1	—	—	—	1	—	—
Painters & decor- ators .....	—	—	1	—	1	1	1	—	1	1	2	1
Plasterers .....	1	—	1	—	—	1	1	1	—	—	—	2
Joiners .....	2	—	1	2	4	2	4	2	3	1	1	4
Quarry workers and stonemasons .....	2	—	1	3	2	1	1	—	3	3	3	4
Railway Porters and Labourers .....	—	3	2	1	2	2	—	1	—	—	2	7
Drivers, stokers, etc.	1	3	—	—	2	1	1	1	—	—	—	—
Clerical, misc. ....	2	1	—	—	1	—	2	2	5	1	3	3
Shopkeepers .....	1	1	—	3	1	5	3	1	—	1	1	2
Clerical and scholas- tic.....	1	1	1	1	1	1	1	—	3	1	—	3
Medical & veterinary	—	—	—	—	—	—	1	2	—	—	1	—
General labourers ...	4	5	8	9	5	8	12	6	6	9	9	—
Licensed victuallers & hotel propriet- ors .....	1	1	1	—	1	—	1	—	1	1	—	—
Blacksmiths .....	—	—	3	3	2	—	2	—	—	—	1	—
Tailors .....	—	—	—	2	1	—	2	1	1	1	—	—
Ministers & clergy- men .....	—	—	2	—	—	—	1	2	1	—	—	3
Postmen .....	—	1	—	—	—	1	—	1	1	—	—	—
Engineers, fitters & boilermakers ...	1	—	2	—	—	1	1	—	2	—	—	—
Grooms & horse- breakers .....	1	1	1	—	—	1	1	—	2	—	—	—
Metal workers .....	—	—	—	1	—	—	1	—	—	—	—	—
Naval and military...	—	2	—	—	1	—	1	—	—	—	—	—
Miscellaneous & ind.	3	3	7	10	5	5	7	10	8	3	6	7
	33	41	52	65	45	41	71	49	58	42	49	59

## COMPARATIVE MORTALITY TABLE FOR CERTAIN CLASSES.

	1930.	1941
Agricultural Workers ... .. (including Gardeners)	4.7	2.1
Marines ... ..	23.2	8.6
Painters ... ..	—	7.4
Builders ... ..	25.5	11.6
Railway Porters ... ..	14.5	6.6
Clerical ... ..	—	8.3
Shopkeepers ... ..	6.1	2.7
Professional ... ..	—	14.7
General Labourers ... ..	12.5	12.8
Quarrymen ... ..	—	24.0
Others ... ..	13.5	0.9

The outstanding features of this table are:—

- (1) The low Mortality Rate amongst Agricultural Workers.
- (2) A high Mortality Rate amongst Builders, and also amongst Quarrymen for 1941.

## MIDWIVES.

The total number of Inspection Visits to Midwives .....	94
Number of Midwives—	
North Wales Nurses .....	22
Queen's Nurses .....	5
Independent Trained .....	20
Registered (Bonafide) .....	0
Total .....	47
Midwifery Cases attended .....	544
Maternity Cases attended .....	180

## Medical Aid to Midwives.

Number of Cases in which Medical Aid was summoned during the year by a Midwife — 175.



## INSTITUTIONAL PROVISION FOR MOTHERS OR CHILDREN.

9 Mothers were admitted to the Home, Valley, for their confinement.

187 Mothers were admitted to the County Hospital, Bangor, under the Complicated Midwifery Scheme. 52 of these were Mothers who had been evacuated.

## INFANT WELFARE CENTRES.

Number of Centres provided and maintained by the Council 14  
 Total number of children who first attended at the Centres during the year and who on the date of their first attendance, were:—

- (1) Under 1 year of age, 341.
- (2) Between the age of 1 and 5 years, 205.

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

- (1) Under 1 year of age, 303.
- (2) Over 1 year of age, 581.

## HEALTH VISITING

The Visits by Health Visitors are as follows:—

District	ANTE NATAL VISITS				HEALTH VISITING						
	Cases	1st Visits	Total Visits	Prematernal Cases	Prematernal Visits	Births Notified	1st Visits	Extra Visits	Visits to Prev. Cases	Visits to Cases 1-2	Visits to cases over 2 yr.
Aberffraw	27	27	152	3	10	50	50	17	124	103	296
Amlwch	53	53	310	6	12	71	71	9	191	183	158
Beumaris	13	13	48	2	3	21	21	22	43	64	117
Bodedern	10	10	38	5	11	19	19	—	51	66	25
Bodorgan	17	17	106	2	8	29	29	10	104	111	167
Gwalchmai	41	41	234	1	3	55	55	22	121	135	286
Holyhead P	16	16	111	1	2	48	48	24	130	178	482
" C	71	71	730	2	7	47	47	21	117	123	366
" B	93	93	733	8	20	23	23	31	137	112	216
" W	—	—	—	—	—	78	78	66	204	164	503
Llanddona	7	7	28	8	8	8	8	4	25	28	35
Llanerchymedd	20	20	98	5	9	21	21	1	68	79	109
Llanfaethlu	17	17	129	—	—	31	31	—	85	95	70
Llanfairpwll	10	10	59	1	3	14	14	14	64	82	69
Llanfechell	14	14	99	—	—	21	21	25	105	107	103
Llangefni	42	42	172	7	14	57	57	1	153	207	167
Llangoed	12	12	59	3	7	16	16	6	70	73	60
Llanidan	16	16	93	4	11	36	36	31	162	85	174
Newborough	13	13	66	7	14	30	30	—	76	66	96
Marianglas	15	15	112	—	—	25	25	21	84	80	218
Menai Bridge	21	21	144	1	4	35	35	9	111	90	120
Pentraeth	18	18	114	3	9	22	22	10	62	52	56
Rhoscolyn	15	15	66	1	1	20	20	—	31	30	33
Rhosybol	14	14	68	2	4	14	14	—	106	68	90
TOTAL	575	575	3769	64	152	791	791	344	2424	2381	4016

## INFANT LIFE PROTECTION.

All "Nurse Children" or Children taken for reward are visited quarterly by the Health Visitors.

16 Children are at present under supervision.

## INSPECTION AND SUPERVISION OF FOOD.

### *Food Inspector's Report.*

Period January 1st, 1941—December 31st, 1941.

159 samples were submitted to the Public Analyst of which 43 were "not genuine." This includes 126 samples of milk of which 33 were "not genuine." 278 samples of milk were submitted for Biological Examination for T.B. 7 were positive.

HERBERT A. THOMAS.

## PREVALENCE OF, AND CONTROL OVER INFECTIOUS AND OTHER DISEASES.

The Druid Isolation Hospital is available for the treatment of the following Infectious Diseases:—

	Scarlet Fever.	Diphth.	Typh.	Erys.	Measles.	C.S.M.	Tl.
In Hospital,—							
1st Jan., 1941	5	8	—	—	—	—	13
Admitted 1941	52	76	1	2	1	5	137
	—	—	—	—	—	—	—
Treated							
during 1941	57	84	1	2	1	5	150
Died 1941	—	7	—	—	—	—	7
Discharged	50	66	1	2	1	5	125
	—	—	—	—	—	—	—
In Hospital—							
Jan. 1st, 1942	7	11	—	—	—	—	18

## NOTIFICATION OF INFECTIOUS DISEASES 1941

	URBAN.					RURAL.				Total
	Am-lwch	Beau-maris	Holy-head	Llan-gefni	Menai Bridge	Aethwy	D'ran Celyn	Twrcelyn Valley		
Diphtheria .....	1	4	1	6	7	19	1	6	12	57
Scarlet Fever .....	5	6	6	3	5	13	6	4	2	50
Erysipelas .....	—	—	1	2	—	2	—	—	2	7
Dysentery .....	—	—	—	—	—	1	—	—	—	1
Puer Pyrexia .....	—	—	—	—	—	—	—	—	1	1
Para Typhoid .....	—	—	—	—	—	—	—	—	1	1
Pneumonia .....	5	—	—	1	1	3	2	15	7	34
Ophthalmia Neon	—	—	—	—	—	—	—	—	1	1
Measles .....	1	1	1	—	3	3	—	17	1	27
Cerebro Spinal Fever	1	—	2	—	1	—	—	1	2	7
Whooping Cough	61	—	37	14	20	47	16	93	54	342
	74	11	48	26	37	88	25	136	83	528
Total 1940 .....	102	6	23	23	51	106	—	183	90	584
Tuberculosis Notifications 1941 :										
Pulmonary .....	2	1	16	1	4	9	8	11	11	63
Non-Pulmonary	—	1	1	—	—	—	1	1	2	6

## AREA POPULATION, BIRTHS, DEATHS, FOR 1941.

District.	Area in Acres.	Population.			Births.	Deaths.
		1921.	1931.	Estimated Population mid-year 1941.		
Am'lwch	4494	2699	2561	2403	60	51
Beaumaris	3135	1841	1708	2004	19	29
Holyhead	730	11761	10707	10080	174	161
Llangefni	2510	1690	1782	1856	28	31
Menai Bridge	824	1798	1675	1967	13	36
Urban	11693	19789	18433	18310	294	308
Aethwy	52352	11095	10760	11260	173	178
Twrcelyn	53865	9241	8640	9260	127	171
Valley	58784	11619	11192	11530	188	202
Rural	165001	31955	30592	32050	488	551
Anglesey	176694	51744	49025	50360	782	859

## ANNUAL RATES PER 1,000 OF ESTIMATED POPULATION.

District.	Birth Rate.	Death Rate.	Zymotic Death Rate.	Phthisis Death Rate.	Respira- tory Death Rate.	Cancer Death Rate	Heart Disease Death Rate.
Amlwch	24.96	21.22	.83	.41	2.08	3.74	2.49
Beaumaris	9.48	14.47	—	.50	.99	1.99	3.49
Holyhead	17.26	15.97	.39	.99	.89	3.27	4.96
Llangefni	15.08	16.70	—	.53	1.61	2.69	2.15
Menai Bridge	6.60	18.30	—	.50	2.03	4.57	3.05
Urban	16.05	16.82	.32	.76	1.25	3.27	3.99
Aethwy	15.36	15.80	.17	1.15	1.50	2.04	3.90
Twrcelyn	13.71	18.46	.54	.86	1.40	1.83	4.32
Valley	16.30	17.51	.43	1.04	2.42	2.08	3.90
Rural	15.22	17.19	.37	1.02	1.80	1.99	4.02
Anglesey	15.52	16.83	.37	.93	1.60	2.46	4.01

## INFANT DEATHS, STILLBIRTHS &amp; MATERNAL MORTALITY.

Rates per 1,000 Live Births.

District.	Infant Deaths.	Infantile Mortality Rate.	Still Births.	Still Birth Rate.	Maternal Deaths.	Maternal Mortal- ity.
Amlwch	7	10.94	2	31.25	—	—
Beaumaris	1	45.45	1	45.45	—	—
Holyhead	8	43.47	8	43.47	1	5.43
Llangefni	2	71.43	2	71.43	—	—
Menai Bridge	1	55.55	1	55.55	—	—
Urban	19	60.12	14	44.30	1	3.16
Aethwy	14	73.30	4	20.94	{ 1	5.23
					{ 2	10.47
Twrcelyn	14	105.25	8	60.15	1	7.51
Valley	23	108.49	13	61.32	—	—
Rural	51	95.14	25	46.47	{ 2	3.73
					{ 3	5.59
Anglesey	70	82.15	39	45.77	{ 3	3.52
					{ 4	4.68