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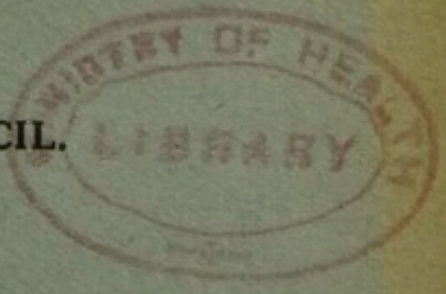
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# ANNUAL REPORT

on the

# HEALTH OF DENBIGHSHIRE

for the

Year 1940

by

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County Medical Officer.

16 Grosvenor Road,

Wrexham.





## **PREFACE.**

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To the Chairman and Members of the Public Health ; Public Assistance and Housing Committee.

Mr. Chairman, Ladies and Gentlemen,

### **Annual Report, 1940.**

Owing to the stress of circumstances and at the express wish of the Ministry of Health, this report is substantially reduced as compared with reports prepared under more favourable conditions.

So far as I personally am concerned, I have been engaged to a considerable extent in the preparation of hospital provision for possible civil or military cases and developing the casualty service of the A.R.P. organisation in the County. Although these duties have necessitated my being domiciled in Ruthin since the commencement of the war, the functions of the department in Wrexham, where all public health activities are concentrated, have worked smoothly and it is a pleasure to record my appreciation of the loyalty of the staff there and the conscientious manner in which they have performed their many tasks.

There has been no depletion or alteration in the personnel of the department during the year, with the exception of the calling-up of two clerks for military service.

I wish to thank the Committee for their whole-hearted support of all my recommendations, and also to Mr. William Jones, C.B.E., Clerk of the County Council and his Deputy, Mr. William Roberts, for their helpful co-operation at all times.

I am,

Your obedient Servant,

H. ARWEL THOMAS.

County Medical Officer.

COUNTY OF DENBIGH. Table I. Vital Statistics, 1940.

District	Estimated Population	No. of Births		Birth-rate	No. of infant deaths under 1 year of age	Infant Mortality Rate	No. of Deaths	Death-rate
		for birth-rate calculation	for infant death rate, etc.					
<b>Urban.</b>								
Abergele .....	7062	88	91	12.4	4	43.9	100	14.1
Colwyn Bay .....	24940	203	218	8.0	8	36.9	393	15.9
Denbigh .....	8310	131	132	15.7	12	90.9	101	12.1
Llangollen .....	3180	36	36	11.3	1	27.7	50	15.7
Llanrwst .....	2559	38	40	14.8	—	—	44	17.1
Ruthin .....	3389	42	44	12.3	—	—	32	9.4
Wrexham .....	28170	480	484	17.0	62	128.0	425	15.0
Total Urban .....	77610	1018	1045	13.1	87	83.2	1145	14.7
<b>Rural.</b>								
Aled .....	6745	108	110	16.0	6	54.5	81	12.0
Cerriog .....	7287	94	94	12.9	1	10.6	89	12.2
Hiraethog .....	5641	69	69	12.2	6	86.9	90	15.9
Ruthin .....	9497	124	128	13.0	7	54.6	128	13.4
Wrexham .....	60760	982	992	16.1	85	85.6	1013	16.6
Total Rural .....	89930	1377	1393	15.3	105	75.3	1401	15.6
Total County .....	167540	2395	2438	14.2	192	78.7	2546	15.1



## STATISTICS.

### Live Births :—

	Male.	Female.	Total.
Legitimate .....	1147	1121	2268
Illegitimate .....	67	60	127
Birth,-rate per 1000 of the estimated resident population .....		14.2	
Still-births .....	50	66	116
Rate per 1000 (live and still-births)		15.2	
Deaths .....	1276	1270	2546
Rate per 1000 of the estimated resident population .....		15.1	

	Deaths.	Rate per 1000 total Live and Still Births
Deaths from Puerperal Causes :—		
Puerperal and post-abortion Sepsis	3	1.1
Other Maternal Causes .....	6	2.3
Death-rate of Infants under one year of age :—		
All infants per 1000 live births .....		78.7
Legitimate infants per 1000 legitimate births ...		81.5
Illegitimate infants per 1000 illegitimate births		55.1

### Staff.

There were no changes in the personnel of the staff during the year.

### Births.

2395 births were notified as belonging to the County of Denbigh during the year 1940, the birth-rate being 14.2. These figures compared with 2246 and 14.2 in 1939.

## Deaths.

2546 deaths were notified in the County during the year 1940, or a death-rate of 15.1. The respective figures for 1939 were 2189 and 13.6.

## Infant Mortality.

The number of deaths of children under 1 year of age in the County during 1940 was 192 or 78.7 as compared with 129 or 57.2 for the year 1939.

**TABLE II. Causes of Infant Deaths, 1940.**

DISEASE.	Districts			
	Urban		Rural	
	Male	Female	Male	Female
Bronchitis .....	3	3	4	4
Diarrhoea (under 2 years) .....	2	1	5	3
Other Digestive Diseases .....	1	—	2	—
Other Tuberculous Diseases .....	—	—	1	2
Pneumonia (all forms) .....	13	6	9	6
Other Violence .....	2	—	1	—
Cerebro-Spinal Fever .....	5	1	1	1
Whooping Cough .....	1	1	—	—
Measles .....	—	1	—	—
Influenza .....	—	—	1	—
Premature Birth .....	10	15	15	11
Cong. Mal; Birth Inj; Inf. Dis. ....	14	5	15	15
All other Causes .....	—	3	6	3
	51	36	60	45



TABLE III. Births and Infantile Deaths Allocated to Areas.

Districts	Births				Deaths under 1 year of age			
	Legitimate		Illegitimate		Legitimate		Illegitimate	
	M	F	M	F	M	F	M	F
<b>Urban.</b>								
Abergele U. ....	39	42	3	4	2	—	2	—
Colwyn Bay Borough...	97	94	3	9	5	3	—	—
Denbigh Borough .....	65	61	3	2	7	4	1	—
Llangollen U. ....	16	18	2	—	1	—	—	—
Llanrwst U. ....	17	20	—	1	—	—	—	—
Ruthin Borough .....	23	18	1	—	—	—	—	—
Wrexham Borough .....	225	230	14	11	32	29	1	—
Total Urban .....	482	483	26	27	47	36	4	—
<b>Rural.</b>								
Aled R. ....	60	44	3	1	4	2	—	—
Ceiriog R. ....	47	41	4	2	1	—	—	—
Hiraethog R. ....	32	30	5	2	5	1	—	—
Ruthin R. ....	56	54	3	11	4	3	—	—
Wrexham Rural .....	470	469	26	17	44	38	2	1
Total Rural .....	665	638	41	33	58	44	2	1
Total County .....	1147	1121	67	60	105	80	6	1

## MATERNAL MORTALITY.

The following table gives the figures for the past ten years :—

	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
Maternal										
Mortality Rate .....	7.9	6.2	7.1	6.3	4.4	3.7	2.07	3.4	4.0	3.5
Puerperal Sepsis .....	7	5	8	8	5	2	—	1	3	3
Other Puerperal										
Causes .....	12	10	9	7	6	7	5	7	6	6
Total .....	19	15	17	15	11	9	5	8	9	9



## INFECTIOUS DISEASES.

TABLE IV (a).

The following table furnishes particulars respecting the notifications received during 1940, and for comparative purposes the nine preceding years are shewn:—

Disease	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
Diphtheria .....	1059	760	657	705	440	586	750	405	276	407
Erysipelas .....	42	46	63	55	62	63	53	70	347	71
Scarlet Fever .....	507	220	259	313	473	586	324	295	20	317
Enteric Fever (including Typhoid and Paratyphoid) .....	8	6	11	7	3	3	6	1	4	16
Puerperal Fever .....	7	8	10	9	3	11	5	...	...	...
Puerperal Pyrexia .....	25	18	22	8	23	17	25	34	24	12
Cerebro-spinal Fever .....	...	1	3	3	1	...	...	...	11	192
Acute Poliomyelitis .....	...	10	1	...	...	1	...	1	1	6
Ophthalmia Neonatorum .....	11	13	13	11	12	20	12	15	11	12
Pulmonary Tuberculosis .....	197	183	177	183	229	197	195	210	180	218
Other Forms of Tuberculosis .....	59	76	77	63	82	82	63	84	53	72
Pneumonia .....	146	157	225	191	143	138	183	160	180	341
Encephalitis Lethargica .....	4	3	3	...	2	...	2	...	1	1
Acute Polio-encephalitis .....	...	1	...	...	...	...	...	2	...	...
Dysentery .....	2	1	...	1	...	9	...	...	71	119
Measles (excl. German Measles) ..	...	...	...	...	1	...	...	...	...	2373
Malaria .....	...	...	...	...	...	...	1	...	30	...
Whooping Cough .....	...	...	...	...	...	...	...	...	...	394
Totals .....	2067	1503	1521	1549	1474	1713	1619	1277	1209	4551

TABLE IV (b).

The allocation of the several Infectious Diseases to the Sanitary Authorities is shown in the following table:—

District	Pneumonia	Scarlet Fever	Pulmonary Tuberculosis	Other Forms of Tuberculosis	Ophthalmia Neonatorum	Acute poliomyelitis	Erysipelas	Enteric Fever	Cerebro-spinal Fever	Diphtheria	Puerperal Pyrexia	Encephalitis Lethargica	Measles (excluding German Measles)	Whooping Cough	Dysentery	Chickenpox
Abergele .....	6	7	9	3	...	...	12	1	5	20	...	...	140	13	1	...
Aled .....	5	11	9	5	1	...	4	4	...	2	2	...	68	3	45	...
Ceiriog .....	...	5	6	2	...	...	1	...	1	5	...	...	20	3	...	5
Colwyn Bay .....	43	18	26	10	2	3	13	...	9	73	2	...	129	46	...	1
Denbigh .....	4	19	16	5	...	...	4	...	13	22	...	...	87	2	23	...
Hiraethog .....	6	6	9	2	...	...	...	...	...	1	...	...	51	2	50	...
Llangollen Urban ...	4	1	5	1	...	...	...	...	4	8	...	...	8	12	...	...
Llanrwst Urban ...	...	9	4	1	...	...	...	...	2	7	...	...	21	1	...	...
Ruthin Borough ...	7	22	4	1	2	...	8	3	1	...	1	...	164	4	...	...
Ruthin Rural .....	16	28	14	4	1	1	3	2	3	10	...	...	205	...	...	...
Wrexham Borough	131	63	38	8	5	...	6	4	68	100	3	1	590	97	...	...
Wrexham Rural ...	119	128	78	30	1	2	20	2	86	159	4	...	890	211	...	...
Totals .....	341	317	218	72	12	6	71	16	192	407	12	1	2373	394	119	6



## INFECTIOUS DISEASES.

The following table gives the number of deaths from Infectious Diseases notified during the year, also the figures for the years 1938 and 1939 :—

	1938	1939	1940
Typhoid and Paratyphoid .....	—	...	—
Measles .....	3	1	3
Scarlet Fever .....	—	—	1
Whooping Cough .....	9	2	5
Diphtheria .....	29	11	21
Encephalitis Lethargica .....	5	9	2
Cerebro-Spinal Fever .....	—	2	30
Tuberculosis. Pulmonary .....	79	80	81
Tuberculosis. Non-Pulmonary	15	14	24

**Home Helps.**

17 Home Helps were engaged and supplied to attend mothers before, during and after confinement.

**Orthopædic Treatment.**

The table on page xiv furnishes particulars of the County patients dealt with by the Robert Jones and Agnes Hunt Orthopaedic Hospital during the year.

**COUNTY OF DENBIGH.**  
**TABLE V. Causes of Death, 1940.**

Disease	Abergele.	Aled.	Ceiriog.	Colwyn Bay.	Denbigh.	Hiraethog.	Llangollen.	Llanrwst.	Ruthin Borough.	Ruthin Rural.	Wrexham Boroug.	Wrexham Rural.	Totals.
Typhoid and Paratyphoid Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal Fever .....	...	...	1	3	3	...	2	...	...	...	6	15	30
Scarlet Fever .....	...	...	...	...	...	...	...	...	...	...	...	1	1
Whooping Cough ....	...	...	...	1	...	...	...	...	...	...	2	2	5
Diphtheria .....	...	...	...	3	...	1	...	...	...	1	5	11	21
Tuberculosis of the Resp. Syst. ....	4	4	1	12	6	5	1	2	...	5	11	30	81
Other Forms of Tuberculosis .....	...	...	...	2	2	...	...	2	...	1	6	11	24
Syphilitic Diseases ...	...	...	...	2	...	...	...	...	...	1	4	2	9
Influenza .....	5	2	3	27	3	6	2	6	2	7	9	18	90
Measles .....	...	...	...	...	...	...	...	...	...	...	1	2	3
Ac. polio-myel and polio. enceph. ....	...	...	...	...	...	...	...	...	...	...	...	...	...
Ac. Inf. enceph. ....	...	...	...	...	...	...	...	...	...	...	1	1	2
Cancer of b. cav. and oesoph. (M) Uterus (F) .....	1	...	...	4	...	2	1	...	1	1	4	16	30
Cancer of stomach and duodenum .....	2	1	3	11	3	4	...	3	2	7	12	26	74
Cancer of breast .....	3	3	...	7	1	...	1	...	...	...	5	10	30
Cancer of all other sites .....	9	4	4	28	8	6	6	2	1	8	23	62	161
Diabetes .....	2	...	...	4	1	1	1	...	1	2	4	8	24
Intra. cran. vasc. lesions .....	11	11	20	58	14	7	7	5	7	12	44	108	304
Heart Disease .....	17	20	20	83	24	20	14	7	7	24	87	203	526
Other Circ. Dis. ....	2	3	1	26	4	1	2	...	3	1	7	13	63
Bronchitis .....	8	1	5	23	5	8	6	6	...	8	39	105	214
Pneumonia .....	7	7	5	22	3	...	2	1	1	6	42	73	169
Other Resp. Dis. ...	2	3	1	10	1	4	...	...	...	...	5	18	44
Ulcer of stomach or duodenum .....	...	...	1	3	1	...	...	...	...	...	2	8	15
Diarrhoea (under 2 years) .....	...	1	...	...	1	...	...	...	...	1	2	7	12
Appendicitis .....	...	...	...	3	1	...	...	...	...	...	2	7	13
Other Digve. Dis. ...	2	1	1	7	1	5	1	2	1	3	6	21	51
Nephritis .....	...	4	8	12	6	5	...	3	2	5	9	33	87
Puer. and post. abort. sepsis .....	...	...	...	1	...	...	...	...	...	...	1	1	3
Other maternal causes .....	...	...	...	...	...	1	...	...	...	...	...	5	6
Prem. Birth .....	2	3	...	1	3	4	...	...	...	1	19	18	51
Con. mal. birth inj. infant dis. ....	2	1	1	4	4	...	...	...	...	3	11	27	53
Suicide .....	1	...	1	1	...	...	...	1	...	4	2	5	15
Road Traffic Ac. ....	2	...	...	3	...	...	...	1	...	...	2	14	22
Other violent causes	5	1	6	4	...	1	...	2	2	5	11	45	82
All other causes .....	13	11	7	28	6	9	4	1	2	22	41	87	231
All causes .....	100	81	89	393	101	90	50	44	32	128	425	1013	2546



The number and percentage of Deaths at different Age Periods are given below :—

Age Period.	No. of Deaths.	Percentage of Total Deaths.
0— 1	192	7·5
1— 5	80	3·1
5—15	63	2·4
15—45	248	9·7
45—65	601	23·6
65 and upwards	1362	53·4
	—	—
Totals	2546	15·1
	—	—

### LABORATORY FACILITIES.

The Laboratories undertaking examinations for the County are :—

The Pathological Laboratory, Chester Royal Infirmary.

Wrexham and East Denbighshire War Memorial Hospital.

University College of North Wales.

Wrexham Joint Fever Hospital.

Welsh National Memorial Association.

### Food and Drugs Acts.

Analyses undertaken by Mr. F. A. Lowe County Analyst, Chester.

## AMBULANCE SERVICE.

### Wrexham Division (St. John's).

No. of cases conveyed .....	1742
Mileage .....	14578
Accidents .....	98
Mileage .....	604
Total cases 1840. Mileage .....	15182
First Aid cases treated .....	287
Station Duty Hours .....	11881
Attendances with Ambulance .....	3503
Public functions attended .....	337

### Rhosllanerchrugog Division (St. John's).

Patients removed to Hospitals, etc. ....	305
Mileage .....	3419
Hours given voluntarily .....	469

### Colwyn Bay and District.

Total cases .....	401
Fatal .....	3
Other accidents .....	65
Admissions to hospital, etc. ....	215
Transport from house to house .....	56
Transport out of district .....	62
Total mileage .....	6471
Ambulance case hours .....	624
Personnel case hours .....	2496

### Oswestry and District (portion of District in County of Denbigh).

Journeys .....	275
Mileage .....	6824

### Denbigh District.

The Ambulance in Denbigh, purchased by the Denbigh Rotarians, and presented to the Borough Council, is used for Maternity, sickness and accident cases.



TABLE VI. Hospital Accommodation.

Name of Hospital	BEDS			Child	Others	Total
	Males	Females	Others			
<b>VOLUNTARY</b>						
Wrexham War Memorial Hospital...	65	46	41	18		108
Colwyn Bay and West Denbighshire Hospital ...	26	24	...	10		60
Denbighshire Infirmary, Denbigh ...	15	22	5	3		45
Chirk and District Cottage Hospital ...	12	6	6	2		26
Llangollen Cottage Hospital ...	4	6	...	...		10
	122	104	52	33		311
<b>PUBLIC ASSISTANCE</b>						
Croesnewydd, Wrexham ...	20	20	5	8		192
Ruthin ...	20	20	5	8		53
	20	20	5	8		245
<b>FEVER HOSPITALS</b>						
Wrexham Joint Fever Hospital ...						108
Brynant Isolation Hospital, Colwyn Bay						31
St. Asaph Joint Isolation Hospital ...	46	57	...	...		87
Croesynyd Hospital, Conway						103
Small-pox Hospital (Rhydtalog) ...						12
Penrhos College Sanatorium ...						50
						391
<b>COUNTY MATERNITY HOSPITAL.</b>						
Ruabon ...		12				12
						Temporary Hospital

**TABLE VII.**  
**Summary of Work of Health Visitor.**

District	Notified No. of Births	No. of First Visits	No. of visits to children under 1 year	No. of visits to children 1-5 years	Expectant Mothers	
					First Visits	Total
Rhos and Penycae .....	197	189	970	1692	35	92
Rhostyllen, Marchwiel, Isycoed and Abenbury	101	138	764	1654	38	91
Coedpoeth, Southsea, New Broughton .....	140	143	566	1375	14	19
Brymbo, Broughton, Summerhill .....	146	169	860	863	12	17
Llay, Gresford, Rhosrobin .....	221	209	1323	969	24	42
Llangollen and Cefn .....	128	89	229	894	34	40
Denbigh, Abergele and Aled Rural .....	235	264	1085	1120	25	39
Llanrwst area .....	118	130	737	1182	41	45
Llansilin, Chirk and Glyn Ceiriog .....	122	158	793	2189	38	54
Ruthin Borough, Ruthin Rural and Cerrig ...	176	163	1000	1407	27	27
	1584	1652	8331	13345	288	466



## ADMINISTRATIVE COUNTY OF DENBIGH

TABLE VIII. Excluding Municipal Boroughs of Wrexham and Colwyn Bay.

Diagnosis.	Total Treated			Cured.			Improved.			Ceased to Attend			Left dis- trict.			Treated elsewhere.			No im- provement.			Died.			On books 31/12/40			On Appli- ance Super- vision			
	c-	91-c	+91	c-	91-c	+91	c-	91-c	+91	c-	91-c	+91	c-	91-c	+91	c-	91-c	+91	c-	91-c	+91	c-	91-c	+91	c-	91-c	+91	c-	91-c		
Age .....	1	13	101	1	...	3	...	...	8	...	1	11	...	1	2	...	1	5	...	...	...	...	...	...	10	62	...	...	...		
1 Arthritis .....	51	44	13	...	...	...	...	...	3	1	5	...	1	...	...	1	...	...	...	...	...	...	...	...	37	40	9	...	...		
2 Congenital Deformities .....	1	19	26	...	...	1	...	2	1	...	6	...	2	...	2	...	...	...	...	...	...	...	...	...	1	15	13	...	...		
3 Claw Foot .....	3	4	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	4	3	...	...		
4 Erb's Palsy .....	26	81	112	1	2	1	...	3	2	6	16	27	...	3	...	...	...	...	...	...	...	...	...	...	19	60	71	...	...		
5 Flat Foot .....	...	4	20	...	...	...	...	...	...	2	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	13	...	...	...	
6 Hallux Rigidus .....	1	5	14	...	...	...	...	...	...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	10	...	...		
7 Hallux Valgus .....	7	41	197	6	12	27	...	4	40	...	4	25	...	2	...	...	...	...	...	...	...	...	...	...	1	20	92	...	...		
8 Injuries .....	15	27	4	...	2	...	...	2	...	3	5	2	...	...	...	...	...	...	...	...	...	...	...	...	12	18	2	...	...		
9 Knock-knees .....	...	8	9	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	7	...	...	...	
10. Osteomyelitis .....	3	26	35	...	...	...	...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	3	25	16	...	...		
11 Poliomyelitis .....	22	12	...	4	1	...	2	...	...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	12	7	...	...	...		
12 Rickets .....	1	13	3	...	...	...	...	...	...	...	5	2	...	...	...	...	...	...	...	...	...	...	...	...	1	8	...	...	...		
13 Postural Defects .....	2	8	29	...	...	1	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	2	8	18	...	...		
14 Scoliosis .....	1	2	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...		
15 Spastic Diplegia .....	2	10	7	...	...	...	...	...	1	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	2	6	3	...	...		
16 Spastic Hemiplegia...	1	4	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...		
17 Spastic Monoplegia...	3	8	5	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	3	8	3	...	...		
18 Spastic Paraplegia ...	...	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	...	
19 Perthe's Disease .....	...	1	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	4	...	...	...	
20 Osteo-Chondritis .....	8	7	...	4	...	...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	7	...	...	...
21 Torticollis .....	...	...	4	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
22 Fibrositis .....	...	2	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
23 Spasmodic Flat Foot .....	27	39	105	5	7	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	...	...	...	
24 Others .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Totals .....	175	381	701	21	26	50	8	15	70	27	62	108	2	14	1	2	14	...	2	...	...	1	1	6	115	274	381	...	...	56	

1257

431

770

56





The County Council scheme for the after-care of Tuberculosis patients is now in operation and during the year 1940, 41 cases were dealt with. The total cost of the grants made to these patients was £68.

### The Midwifery Service.

Particulars of cases attended by Domiciliary Midwives :—

	Midwives By Salaried	By Independent Midwives
No. of cases attended .....	1125	268
No. of times medical aid sent ...	405	83
(a) during pregnancy .....	50	7
(b) during labour .....	255	64
(c) during puerperium .....	50	3
(d) for infant .....	50	9
No. of still-births notified .....	39	12
No. of forceps deliveries .....	99	81
No. of deaths of infants, 1 month	25	6
No. of maternal deaths .....	3	1
No. of maternity cases .....	211	73

### Midwives Act, 1918—Section 14.

The number of patients to whom medical aid was summoned by a certified midwife was 465, the total amount of the medical claims being £875 15s. 7d.

#### Ante-natal.

The following is the report of Mr. R. Owen Jones, F.R.C.S., County Obstetric Officer, upon the ante-natal work undertaken during the year 1940 :—

#### 1. Clinics.

Total examinations at all clinics ..... 4174

#### (a) Ante-natal Clinics.

Total examinations ..... 3625  
New cases ..... 1361

(b) *Post-natal and gynaccological.*

Total examinations .....	549
New cases .....	386

**2. Ruabon Maternity Hospital.**

Admissions .....	207
Births .....	176
Ante-natals for treatment .....	20
Post-natal for operations .....	15
Miscarriages .....	5

**3. Consultations ..... 241**

R. OWEN JONES,

County Obstetric Officer.



TABLE IX.

## Maternity and Child Welfare.

The following table furnishes information for 1940 with regard to the Maternity and Child Welfare Centres established in the County:—

Address	Whether Sessions are held weekly or fortnightly	Day and Time of Meeting	Average attendance per session (Children).	Number of Children who attended for the first time.	Present arrangements for Medical Supervision
Southsea, Church Institute .....	Fortnightly	Monday a.m.	34	60	Assistant Med. Officer
Coedpoeth, Penygelli Schools .....	"	Monday p.m.	43	81	"
Llay, Presbyterian Chapel .....	"	Monday p.m.	68	74	"
Cefn, County Clinic .....	Weekly	Monday p.m.	77	235	"
Brymbo, Council School .....	Fortnightly	Tuesday a.m.	30	52	"
Broughton, Church House .....	"	Tuesday p.m.	38	95	"
Llanrwst, Watling Street .....	"	Wednesday p.m.	25	49	"
Glan C'way, Church Institute .....	"	Monday p.m.	19	28	"
Rhosrobin, County Clinic .....	"	Wednesday a.m.	63	87	"
Rhos, Leeswood House .....	Weekly	Wednesday p.m.	45	174	"
Llangollen, Welfare House .....	Fortnightly	Wednesday p.m.	47	86	"
Denbigh, County Clinic .....	"	Wednesday p.m.	101	152	"
Abergele, Church House .....	"	Thursday p.m.	48	99	"
Rhostyllen, Council School .....	"	Wednesday a.m.	26	54	"
Ruthin, Baptist Chapel .....	"	Tuesday p.m.	63	188	"
Chirk, The Mount .....	"	Thursday p.m.	32	63	"
Glynceiriog, Ceiriog Institute .....	"	Tuesday p.m.	23	43	"

Yearly Report on the work of the North Wales Society for the Blind in the County of Denbigh (1940-41).

The Society has this year 409 Registered Blind Persons excluding evacuees) under its care in the County of Denbigh. The area is divided between five Home Teachers who visit the Blind regularly and see to their needs in the way of extra nourishment, clothing, boots, etc., applications for which are forwarded to the Society for sanction. A great deal of work is also carried on in connection with "Prevention of Blindness" by the sanctioning of spectacles, hospital treatment, drops, etc.

Many Blind Persons are taught by the Home Teachers to read Braille and Moon Embossed type and also do Handwork.

Several Blind Persons have received training in Basketry etc., at various Institutions and in Denbighshire there are 14 Home Workers who forward goods for sale at the Bangor Depot. They each receive augmentation of 50% on their earnings from the Society. There are also 4 Workers in a Workshop in Chester.

Of the number of Registered Blind, 229 plus 30 evacuees are in receipt of Unemployable Blind Grants, which are paid on behalf of the County Council by the Society. Medical Aid is also granted on application to the County Council.

White walking sticks are supplied free of charge to all who apply for same.

Library Books are forwarded weekly from Bangor to readers.

Last Christmas 377 Blind Persons in the County received a gift of 4/- each, the total amount paid out being £175 8s. 0d. This money is mostly collected by children in the schools of the area and it is much appreciated. In addition to this gift, the County Council kindly allows a Christmas gift to all Blind Persons who are in receipt of an Unemployable Blind Grant.

Through the kindness of the Crosville Motor Company, 117 Bus Vouchers were distributed in Denbighshire. These vouchers enable the holders to travel within a radius of 12 miles from their homes, for the nominal sum of 2/6 per annum.

The war has brought 48 evacuees into the area. These are visited by the Home Teachers and grants are paid them through the Society.



In the Wrexham area Blind People continue to enjoy rambles, singing classes, teas, etc.

The Society has been very fortunate in realising one of its long desired aims—that of establishing a Home for the Blind in North Wales. This Home is situated in Abergele, and it is hoped that it will be officially opened early in the New Year.

### CANCER.

The following table gives the deaths and death rates from Cancer according to Sanitary Districts:—

Districts	Deaths			Rate per 1000 Population
	Males	Females	Total	
<b>Urban Districts</b>				
Abergele ... ..	7	8	15	2.1
Colwyn Bay ... ..	16	34	50	2.0
Denbigh ... ..	7	5	12	1.4
Llangollen ... ..	4	4	8	2.5
Llanrwst ... ..	1	4	5	1.9
Ruthin Borough ... ..	1	3	4	1.1
Wrexham Borough ... ..	20	24	44	1.5
<b>Rural Districts</b>				
Aled ... ..	2	6	8	1.1
Ceiriog ... ..	4	3	7	.9
Hiraethog... ..	6	6	12	2.1
Ruthin ... ..	9	7	16	1.7
Wrexham ... ..	60	54	114	1.8
Whole County ... ..	137	158	295	1.7

**Cancer Deaths—Age and Sex Distribution.**

Age Group	Urban			Rural			Grand Total
	M.	F.	Total	M.	F.	Total	
Under 1 year ...	...	...	...	...	...	...	...
1—5 ...	...	...	...	...	...	...	...
5—15 ...	...	...	...	...	1	1	1
15—45 ...	4	8	12	3	3	6	18
45—65 ...	23	26	49	27	28	55	104
Over 65 ...	29	48	77	51	44	95	172
Totals ...	56	82	138	81	76	157	295

**Christie Hospital and Holt Radium Institute, Manchester.**

Total number of Cancer cases ..... 45

Total number of non-malignant ..... 18

—  
64

Number referred by Voluntary Hospitals ..... 62

Number referred by Public Assistance Hospitals —

Number referred by General Practitioners ..... 2

Number referred by Consultants ..... —

—  
64



Cancer Cases.	Total.	Number treated by Radiation, X-Ray, Surgery or Combined Techniques.	Number not treated. Unsuitable or too advanced.
Lip and Mouth ..	10	8	2
Breast .....	1	—	1
Skin .....	8	7	1
Cervix .....	6	5	1
Other Sites .....	21	7	14
	46	27	19
Non-Malignant Cases	18	8	10
	64	35	29

### Chester Royal Infirmary.

Deep Therapy :—

In-patients .....	8
Out-patients .....	19

Radium :—

Total number of attendances at the Institution .....	48
Number of patients .....	26
Number of cases referred to Christie Hos- pital, Manchester .....	16

### Liverpool Radium Institute and Hospital for Cancer.

In-patients from Denbighshire .....	18
Out-patients .....	9

### Wrexham and East Denbighshire War Memorial Hospital.

No. of new patients referred from Wrexham Clinic in 1940 .....	58
Total No. of attendances at Wrexham Clinic (old and new patients) in 1940 .....	313
No. of 1940 referred cases treated in Wrexham .....	—

No. of 1940 referred cases treated in Radium Annexe,  
Prestbury :—

In-patients .....	6
Out-patients .....	—

No. of 1940 referred cases treated in Christie Hos-  
pital, Manchester :—

In-patients .....	11
Out-patients .....	7

No. of 1940 referred cases treated in Radium Annexe  
and Christie Hospital :—

In-patients .....	2
Out-patients .....	—

No. of 1940 cases not treated ..... 32

Table showing comparison with previous years :—

	1936	1937	1938	1939
New Patients :—				
Treated .....	10		25	
Not treated .....	11		17	
	—		—	
	21	21	42	66
Examinations (old patients) .....	133	148	178	263
Total examinations (old and new patients) ...	154	169	220	329

## REPORT OF MR. J. H. WYNNE, F.R.C.V.S., COUNTY VETERINARY OFFICER, FOR THE YEAR 1940.

### Diseases of Animals Acts and Orders.

The Quarterly Reports of the Divisional Veterinary In-  
spector, Animal Health Division of the Ministry of Agriculture  
and Fisheries show the total number of cases of Scheduled  
(Notifiable) Diseases of Animals to be



Anthrax .....	1 confirmed case
Sheep Scab .....	11 confirmed cases
Swine Fever .....	16 confirmed cases
Tuberculosis .....	143 confirmed cases

### **Milk and Dairies Acts and Orders.**

During the Year, 35 "Tuberculin Tested" Licences were issued, four of which were surrendered; and 396 Accredited Licences were issued under the Milk (Special Designation) Orders.

### **Tuberculosis (Attested Herds) Schemes of the Ministry of Agriculture.**

There were 289 Attested Herds and 2 supervised herds in Denbighshire at the end of 1940.

### **Clinical Examination of Dairy Cattle.**

- (a) **Tuberculin Tested Herds.** (These are Clinically examined every 6 months, in addition to the Testing with Tuberculin).

2630 examinations were carried out, and only one cow had to be slaughtered under the Tuberculosis Order.

- (b) **Accredited Herds** (Clinically examined every 3 months).

38,863 examinations were carried out and 97 of these cows were slaughtered under the Tuberculosis Order.

- (c) **Non-designated Herds.** (Clinically examined every 6 months).

Denbighshire is the only County in North Wales where these Herds are periodically examined.

18,459 examinations resulted in the detection of 41 cows affected with Tuberculosis, and these were slaughtered under the Tuberculosis Order.

### **Tuberculin Testing of Herds Licensed to produce Tuberculin Tested and Certified Milk.**

2308 Animals, including bulls, were Tuberculin Tested. 111 of these were Certified to be Reactors, and were removed from the herds.

### Tracing Sources of Tuberculous Milk.

No. of investigations outstanding from 1939 .....	5
No. of Positive reports resulting from the Biological examination of Milk samples .....	17
No. of Herds involved (including the 5 cases from 1939) .....	23
No. of cases of Tuberculosis of the Udder found ...	13
No. of cases outstanding at the end of 1940 .....	3

(Signed) J. H. WYNNE.

TABLE X



**TABLE X.**  
**Public Health (Tuberculosis) Regulations, 1924.**

District	No. of cases of Tuberculosis on Register at the commencement of the year		No. of cases notified for the first time under Regulations, 1912, during year		No. of cases removed from the Register during the year		No. of cases remaining on the Register at the end of the year	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Abergele.	Males .....	14	1	2	3	...	17	3
	Females .....	22	4	1	1	1	24	4
Aled.	Males .....	37	23	3	2	...	40	26
	Females .....	49	17	2	2	...	51	19
Ceiriog.	Males .....	24	13	2	...	...	28	15
	Females .....	27	5	...	3	...	26	5
Colwyn Bay.	Males .....	64	28	4	11	3	73	29
	Females .....	64	32	6	8	2	64	36
Denbigh.	Males .....	12	8	2	3	2	15	8
	Females .....	16	8	3	5	...	21	11
*Hiraethog	Males .....	24	13	...	...	1	21	13
	Females .....	23	10	2	3	2	24	10

\*Revision of Register by Dr. G. L. Travis.

## Public Health (Tuberculosis) Regulations, 1924.—(Continued).

District	No. of cases of Tuberculosis on Register at the commencement of the year		No. of cases notified for the first time under Regulations, 1912, during year		No. of cases removed from the Register during the year		No. of cases remaining on the Register at the end of the year	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Pulmonary
Llangollen Urban.	Males .....	1	2	1	2	...	4	2
	Females .....	...	3	...	1	...	15	...
Llanrwst Urban.	Males .....	7	3	1	...	3	8	6
	Females .....	1	1	...	...	...	3	9
Ruthin Borough.	Males .....	6	3	1	4	2	5	4
	Females .....	8	1	...	1	1	8	1
Ruthin Rural	Males .....	17	7	1	3	1	21	9
	Females .....	30	7	3	6	...	31	14
Wrexham Borough.	Males .....	69	22	3	6	1	85	49
	Females .....	62	16	6	7	...	71	27
Wrexham Rural.	Males .....	212	44	11	17	4	239	118
	Females .....	181	34	19	20	12	195	76
Totals.....	986	453	220	72	108	35	1089	494





The source or sources from which information as to the above mentioned cases were obtained are given below :—

Source of information	No. of Cases	
	Pulmonary	Non-Pulmonary
Death Returns :		
From Local Registrars .....	...	...
Transferable deaths from Registrar .....	...	...
Posthumous notifications.....	...	...
"Transfers" from other areas (other than Transferable deaths) .....	...	...
Other sources, if any (specify) .....	...	...

## NOTIFICATION REGISTER.

### Part III.

No. of cases of Tuberculosis remaining on December 31st, 1940, on the Register of Notifications kept by the District Medical Officers of Health in the County	Pulmonary			Non-Pulmonary			Total cases
	Males	Females	Total	Males	Females	Total	
	556	533	1089	282	212	494	
No. of cases removed from the Registers during the year	51	57	108	17	18	35	143



TABLE XII. VENEREAL DISEASES.

The following statistics, taken from the Returns supplied by the Treatment Centres, show the work undertaken during the year ended 31/12/40.

Clinic	Persons attending for the first time at Out-patient Clinic suffering from						Total attendances at Out-patient Clinic		No. of In-Patient days		No. of Persons treated with Salvarsan Substitutes	
	Syphilis		Soft Chancre		Gonorrhoea		Non-Venereal Condition		M.	F.	M.	F.
Wrexham .....	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
	21	8	—	—	68	21	18	8	232	117	46	40
Chester .....	4	2	—	—	2	9	—	—	—	—	41	20
Bangor .....	2	2	—	—	—	—	—	—	—	—	10	15
Totals .....	27	12	—	—	70	30	18	8	232	117	97	75





TABLE XII. VENEREAL DISEASES.

The following statistics, taken from the Returns supplied to the Privy Council, show the extent of the venereal diseases in the United Kingdom during the year ended 31/12/31.

Year	Gonorrhoea		Syphilis		Total	Total Number of Cases	Total Number of Deaths	Total Number of Persons Admitted to Hospitals
	Male	Female	Male	Female				
1931	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1932	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1933	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1934	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1935	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1936	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1937	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1938	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1939	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1940	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1941	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1942	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1943	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1944	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1945	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1946	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1947	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1948	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1949	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1950	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1951	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1952	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1953	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1954	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1955	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1956	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1957	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1958	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1959	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1960	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1961	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1962	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1963	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1964	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1965	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1966	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1967	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1968	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1969	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1970	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1971	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1972	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1973	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1974	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1975	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1976	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1977	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1978	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1979	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1980	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1981	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1982	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1983	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1984	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1985	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1986	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1987	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1988	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1989	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1990	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1991	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1992	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1993	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1994	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1995	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1996	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1997	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1998	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
1999	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290
2000	1,145	1,145	1,145	1,145	2,290	2,290	2,290	2,290

TABLE XVI.  
CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE IN THE  
ADMINISTRATIVE COUNTY OF DENBIGH, 1940.

[illegible]





