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NEWCASTLE-UNDER-LYME  
RURAL DISTRICT COUNCIL.

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ANNUAL REPORT

OF THE  
MEDICAL OFFICER OF HEALTH.

FOR THE YEAR 1906.



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# NEWCASTLE-UNDER-LYME

## RURAL DISTRICT COUNCIL.

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### *ANNUAL REPORT of the MEDICAL OFFICER of HEALTH for the year 1906.*

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NEWCASTLE-UNDER-LYME,

STAFFS.,

FEBRUARY 27TH, 1907.

GENTLEMEN,

I have the honour to present to you my Annual Report on the Sanitary condition of the Newcastle-under-Lyme Rural District, with Vital Statistics for the year 1906.

#### BIRTHS.

The total number of births registered in the District was 175—82 males and 93 females, equal to an annual birth-rate of 25·64 per 1000 of the population.

These births were distributed as follows :—

			Population		Estimated Population to middle of	Increase	
			1901	1891	1906		
Balterley	}	Males	17	253	273	267	14
Betley		Females	15	837	827	877	40
			32				
Chorlton	}	Males	11	387	373	396	9
Maer				436	389	446	10
Whitmore	}	Females	5	308	318	326	18
			16				
Clayton	}	Males	54	269	304	282	13
Keele				1114	1090	1157	43
Madeley	}	Females	73	2909	2904	3077	168
			127				
						Increase	315

As there were 72 deaths, the natural increase of the population was 103 persons for the year 1906.

For the year 1905, the increase of the population was 63.

## DEATHS.

The total number of deaths registered in the district was 72. This gives the death-rate of 10·54 per 1000 of the population.

From the accompanying table it will be seen that the maximum death-rate (22·47) was at Balterley, while the lowest (4·48) was at Maer.

In 1905, the highest death-rate (17·7) was at Clayton, while the lowest (3·08) was at Whitmore.

Deaths according to age :—

Under 1 year	...	19
1 and under 5	...	6
5        „        15	...	5
15       „        25	...	6
25       „        65	...	17
65 and upwards	...	19
		—
Total		72

In 1905, the deaths according to age were as follows :—

Under 1 year	...	19
1 and under 5	...	12
5        „        15	...	5
15       „        25	...	4
25       „        65	...	16
65 and upward	...	28
		—
Total		84

	Population Census, 1901	Estimated Population to middle of 1906	Number of Deaths	Death-rate per 1000 for 1906	1905
Balterley ...	253	267	6	22·47	3·8
Betley ...	837	877	9	10·26	13·74
Chorlton ...	387	396	8	20·20	7·6
Maer ...	436	446	2	4·48	11·23
Whitmore ...	308	326	2	6·13	3·08
Clayton ...	269	282	3	10·64	17·7
Keele ...	1114	1157	14	12·10	11·28
Madeley ...	2909	3077	28	9·10	14·42
	—	—	—	—	—
Total	6513	6828	72	Av'age 11·92	10·36

Inquests were held during the year 1906 on 4 persons, and the following verdicts were given :—

- Betley 1. Suffocation.  
 Keele 2. Injury to Skull and Natural causes.  
 Madeley 1. Accidentally struck by Railway Engine.

In 1905, there were 8 Inquests held ; Six in the Parish of Madeley and two in the Parish of Keele.

*Infant Mortality.*—The deaths under 1 year, in 1906, were 19, equal to a mortality of 108·51 per 1000 registered births.

Balterley 2; Betley 4; Chorlton 1; Clayton 2; Keele 3; Madeley 7.

In 1905 the deaths numbered	84,	the death-rate was	12·38
1904	82	„	12·20
1903	81	„	12·17
1902	89	„	13·49
1901	99	„	15·16
1900	94	„	13·04
1899	81	„	11·29
1898	78	„	11·01
1897	98	„	14·06
1896	98	„	14·19
1895	88	„	13·38
1894	100	„	15·48
1893	113	„	17·75
1892	111	„	17·79
1891	78	„	12·60

These figures are calculated on the estimated population in the middle of each year.

#### INFECTIOUS DISEASES NOTIFICATION ACT, 1889.

37 cases have been notified during the year 1906 :—

Diphtheria	...	...	13
Scarlet Fever	...	...	16
Erysipelas	...	...	6
Enteric Fever	...	...	2



*Diphtheria*.—There were 13 cases occurring in the district during the year 1906 as compared with 9 cases in the previous year. Of the 13 cases, 9 occurred at Onneley, 1 at Scot Hay, 1 at Keele, and 2 in that part of Silverdale which is in the Parish of Keele.

As the means of isolation were deemed in-sufficient, one of the cases was removed to Bradwell Sanatorium.

*Scarlet Fever*.—The total number of cases notified was 16 as compared with 22 in the previous year, and 47 in 1904.

The cases were distributed as follows:—

Balterley	...	...	4
Betley	...	...	1
Whitmore	...	...	1
Keele	...	...	3
Madeley	...	...	1
Silverdale	...	...	4
Willoughbridge...	...	...	2

Two of the cases were removed to the Bradwell Sanatorium, as they were not properly isolated. In consequence of Scarlet Fever breaking out in the Parish of Keele, the school was disinfected.

*Erysipelas*.—Six cases were reported during the year, as compared with one case in the previous year.

*Enteric Fever*—Two cases occurred in the district, one case in Whitmore and the other in that part of Silverdale which is in the Parish of Keele.

All the houses have been visited and disinfectants supplied.

The Vaccination Act, 1898, continues to work satisfactorily, and there is practically no opposition.

There was no Case of Small-Pox in the District during the year.

#### FACTORIES AND WORKSHOPS ACT, 1901.

The total number of Workshops in the District is 24, distributed as follows:—

Parish of Betley	...	11
Parish of Madeley	...	7
Parish of Keele	...	3
Parish of Whitmore	...	2
Parish of Maer	...	1

All these have been periodically visited and inspected, and found to be in a sanitary and satisfactory condition.

During the year 1906, no new houses have been erected in the District.

Many nuisances, such as foul conditions, structural defects, defective traps, and so on, were inspected and reported on during the year

Instructions have been given for their abatement, which have been carried out.

#### SANITARY WORK.

The whole of the houses at Madeley Heath, Little Madeley, Middle Madeley, and Madeley, are now connected to the Main Sewers, and the Sewage is being treated at the Outfall Works, which are in full working order, and appear to be producing a satisfactory effluent.

I have the honour to remain,

Your obedient Servant,

T. H. P. MORRIS.



TABLE 1.  
NEWCASTLE-UNDER-LYME RURAL DISTRICT. (For whole district.)

Year.	Population esti- mated to middle of each year.	Births.		Deaths under one year of age.		Deaths at all ages Total.		Deaths of residents registered beyond district.	Nett Deaths at all ages.	
		Number.	Rate.*	Number.	Rate per 1000 births registered.	Number.	Rate.*		Number.	Rate.*
1896	6904	188	27.23	26	138.29	98	14.19		98	14.19
1897	6967	188	26.98	26	138.29	98	14.06		98	14.06
1898	7079	175	24.72	24	137.14	78	11.01		78	11.01
1899	7171	170	23.70	16	94.11	81	11.29		81	11.29
1900	7205	186	28.81	15	80.64	92	12.76	2	94	13.04
1901	6530	190	29.09	25	131.57	99	15.16		99	15.16
1902	6594	192	29.11	25	130.20	89	13.49		89	13.49
1903	6661	173	25.97	22	127.16	81	12.16		81	12.16
1904	6721	175	26.03	20	114.28	82	12.20		82	12.20
1905	6784	147	21.67	19	129.25	83	12.24	1	84	12.38
Averages for years 1896—1905.										
	6861	178	26.33	22	122.09	88	12.85		88	12.89
1906	6828	175	25.64	19	108.51	72	10.54		72	10.54

\* Rates in Columns 4, 8, and 13 calculated per 1000 of estimated population.

Area of District in acres (exclusive of area covered by water) 19,597.

Total population at all ages 6,513. Number of inhabited houses 1335.  
Average number of persons per house 4.87. (At Census of 1901.)

TABLE 2. NEWCASTLE-UNDER-LYME RURAL DISTRICT.

Localities.	2						Clayton, Keele and Madeley Parishes.					
	Balterley and Betley Parishes			Chorlton, Maer and Whitmore Parishes.			Population esti- mated to middle of each year.			Births regis- tered.		
Year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all ages.	Deaths under 1 year.
1896 ...	1161	34	21	5	1114	30	11	2	4629	124	66	19
1897 ...	1165	19	15	8	1124	23	17	4	4678	146	66	14
1898 ...	1182	18	9	1	1136	30	15	4	4761	127	54	19
1899 ...	1190	26	11	3	1148	22	10	—	4833	122	60	13
1900 ...	1199	34	13	2	1157	27	10	2	4849	125	71	11
1901 ...	1094	31	15	2	1135	30	16	4	4301	129	68	19
1902 ...	1103	29	15	4	1145	23	16	4	4346	140	58	17
1903 ...	1114	30	10	2	1152	23	10	2	4395	120	61	18
1904 ..	1129	26	7	1	1157	22	13	2	4435	127	62	17
1905 ..	1136	19	13	3	1165	15	9	—	4483	113	62	16
Averages of years 1896 to 1905.	1147	27	13	3	1143	24	13	2	4571	127	63	16
1906 ...	1144	32	15	6	1168	16	12	1	4516	127	45	12



TABLE 3. NEWCASTLE-UNDER-LYME RURAL DISTRICT.

Cases of Infectious Diseases Notified during the year 1906.

Notifiable Diseases.	Cases Notified in Whole District At Ages—Years							Total cases Notified in each Locality.					No. of cases removed to Hospital from each Locality.			
	At all ages.	Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards	Balterley & Betley	Chorlton	Maer	Whitmore	Clayton	Keele	Madeley	Whitmore	Keele
Diphtheria	13	...	3	5	5	...	...	...	...	...	...	...	4	9	...	1
Erysipelas	6	...	...	1	1	2	2	...	1	...	...	...	2	3	...	...
Scarlet Fever	16	...	4	11	1	...	...	5	...	...	3	...	7	1	2	...
Enteric Fever	2	...	...	..	1	1	...	..	..	..	1	..	1	..	..	...
Totals	37	...	7	17	8	3	2	5	1	...	4	...	14	13	2	1

TABLE 4. NEWCASTLE-UNDER-LYME RURAL DISTRICT.

Causes of, and Ages at Death, during Year 1906.

Causes of Death.	Deaths in whole District at subjoined Ages.										Deaths in Localities at all Ages.				
	All Ages	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Balterley & Betley	Chorlton	Maer	Whitmore	Clayton	Keele	14	15
Whooping Cough	2	..	2	..	..	..	..	..	..	..	..	..	1	1	1
Diphtheria & Membranous Croup	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1
Diarrhoea	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Enteritis ..	2	..	1	1	..	..	..	..	..	..	..	..	1	..	1
Puerperal Fever	1	..	..	..	1	..	..	..	..	..	..	..	..	..	1
Phthisis (Pulmonary Tuberculosis)	4	..	..	..	..	4	..	..	1	..	..	..	2	..	1
Other Tubercular Diseases	2	1	..	..	1	..	..	..	..	..	..	1	..	..	1
Cancer, malignant disease	4	..	..	..	..	2	2	1	1	1	..	..	..	..	1
Bronchitis	4	1	1	..	..	1	1	..	..	..	..	1	..	..	3
Pneumonia	3	..	1	..	..	..	2	..	1	..	..	..	1	..	1
Alcoholism	1	..	..	..	..	..	1	..	..	..	1	..	..	..	..
Cirrhosis of Liver }	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Premature Birth	9	9	..	..	..	..	..	4	..	..	..	1	1	1	3
Heart Diseases	9	1	..	..	3	2	3	3	2	..	..	..	2	2	2
Accidents	3	1	..	..	..	2	..	1	..	..	..	..	1	1	1
All other causes..	26	6	..	3	1	6	10	6	3	1	1	..	5	5	10
All causes ..	72	19	6	5	6	17	19	15	8	2	2	3	14	14	28



TABLE 5. NEWCASTLE-UNDER-LYME RURAL DISTRICT.  
Infantile Morality during the year 1906.

CAUSES OF DEATH.	1																Total Deaths under One Year.
	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	
Certified	12	..	..	..	..	2	..	..	1	..	..	1	1	..	..	1	18
Uncertified	...	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Premature Birth	6	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	6
Atrophy, Debility, Marasmus	5	..	..	..	5	2	..	..	..	..	..	..	..	..	..	..	7
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Meningitis	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
Convulsions	1	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	2
Bronchitis	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
Suffocation, overlaying	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1

TABLE 6.

*SUMMARY of SANITARY WORK done in the Nuisance Inspector's Department during the year 1906, in the Rural District of Newcastle.*

				Inspections and Observations made	Formal Notices by Authority	Nuisances Abated after Notice
Dwelling- Houses and Schools	{	Foul Conditions	...	...	23	23
		Structural Defects	...	180	16	16
		Overcrowding	...			
		Unfit for Habitation	...			
		Lodging Houses	...			
		Dairies and Milkshops	...	23		
		Cowsheds	...	27	1	1
		Bakehouses	...	10		
		Slaughter-houses	...	6		
		Canal Boats	...			
House Drainage		Ashpits and Privies	...	120	7	7
		Deposits of Refuse and Manure	...	7	7	7
		Water Closets	...	13		
	{	Defective Traps...	...	70	12	12
		No Disconnection	...			
		Other Faults	...			
		Water Supply	...	20	10	10
		Pigsties	...	22	4	4
		Animals improperly kept	...			
		Offensive Trades	...			
		Smoke Nuisances	...			
		Other Nuisances	...			
Totals				498	80	80
Seizures of Unwholesome Food				...	...	
Samples of Food taken for Analysis				...	...	
" " found Adulterated				...	...	
" of Water taken for Analysis				...	...	
" " condemned as unfit for use				...	...	
Precautions against Infectious Disease.						
Lots of Infected Bedding Disinfected or Destroyed				...	...	
Houses Disinfected after Infectious Disease				...	...	34
Schools ditto ditto						1
Prosecutions for not Notifying Existence of Infectious Disease.						
Convictions ditto ditto				...	...	
Prosecutions for Exposure of Infected Persons or Things				...	...	3
Convictions ditto ditto				...	...	3

THOS. H. JAMES, Inspector of Nuisances.



