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Contributors

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REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE YEAR ENDING DECEMBER, 1902.

GENTLEMEN,

I have the honour of submitting to you my Sixth Annual Report.

POPULATION.

The population in the Wolstanton Rural District, according to the census of 1901, was 36,970, and estimated to the middle of 1902, amounted to 37,474. The acreage of the district is 10,392.

BIRTHS.

The births registered during the year numbered 1,440. Of these 692 were males and 748 were females, and the total represents an annual rate of increase of 38.4 per 1,000 living. Compared with the year 1901, the births show an increase of 34, the difference in the birth rate being 1.34.

DEATHS.

637 deaths were registered in the district during the year. Of these 72 were those of persons not belonging to the district, but who died in the public institutions in the district. 3 deaths occurred in public institutions outside the district of people who resided in the district. The total deaths of people belong to the district numbered 568, giving an annual rate of mortality of 15.4 per 1000 of the estimated population. When compared with the year 1901, there is a decrease in the number of deaths by 146, and the difference in the death rate is 3.56.



INFANTILE MORTALITY.

The number of deaths in infants under one year was 194, giving the infantile mortality rate of 134.72 per 1000 born. This is a decrease of 25.98 per 1000 on the rate recorded for the preceding year.

UNCERTIFIED DEATHS.

18 deaths occurred in persons not attended by a medical man. These deaths were recorded as "not certified."

The supposed causes of death were as follows :-

Convulsions	 	II
Debility	 	1
Measles	 	1
Heart Disease	 	3
Apoplexy	 	1
Premature Birth	 	1
		18

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The following table will show the number of deaths in each year for the last ten years from the chief Zymotic diseases, as well as the various death rates.

1902	0	13	2	1-	2	0	9	0	12	48	568	1.5	15.14	134.72
1901	0	9	1	18	14	0	10	0	30	89	714	1.6	18.7	160.7
1900	0	63	23	40	9	0	16	0	26	148	720	4.3	50.9	162.2
1899	0	0	17	10	00	0	13	0	44	102	869	5.9	20.5	2.181
1898	0	61	18	00	6	0	11	0	37	108	604	3.1	20.17	184
1897	0	31	10	4	16	0	4	0	46	106	712	3.1	21.3	181
1896	0	60	1	00	11	9	ю	0	31	88	593	2.2	17.3	157
1895	0	00	6	20	11	0	4	0	25	62	629	1.91	20.3	189
1894	0	0	10	6	14	0	11	0	16	09	584	1.8	18.1	141
1893	3	37	00	60	1	0	6	67	27	06	646	8.7	20.1	131
	:	:	:	:	:	:	:	:	:	:	:	ases	:	ne
ETC	:	:	:	:	:	Typhus	Typhoid	Doubtful	:	diseases	year	otic dise		under or
DISEASES,	:	:	er	:	Cough	-			:	Zymotic	s for each	from Zym	th-rate	of Infants
ZYMOTIC DISEASES, ETC	Smallpox	Measles	Scarlet Fever	Diphtheria	Whooping Cough	Fevers of a	continued	character	Diarrhœa	Deaths from Zymotic disease	Total Deaths for each year	Death-rate from Zymotic dise	General Death-rate	Death-rate of Infants under one

			*					
				-				
		-						
				-				

INFECTIOUS DISEASES.

I am very pleased indeed to state that infectious disease has been very much less prevalent this year than in the previous year, 157 cases having been notified as compared with 270 during the previous year. This is the lowest number notified for over ten years.

SCARLET FEVER:—This disease has been very much less prevalent than in the previous year. 35 cases were notified as compared with 102 during the previous year. Of these cases I was able to remove 10 to the Sanatorium.

The cases occurred as follows:-

Goldenhill 7	Wolstanton	7
Chell o	Chesterton	0
Newchapel o	Silverdale	8
Milton 11	Sanatorium	2

The cases at the Sanatorium were those of two of the nursing staff who contracted the disease in the discharge of their duties. The cases as a whole were of a mild character, only 2 proving fatal or 5.7 per cent. In all cases thorough isolation and disinfection was carried out.

ENTERIC FEVER:—This disease has also been less prevalent than in the previous year. 34 cases have been notified as compared with 43 during the previous year. The cases occurred as follows:—

Goldenhill 10	Wolstanton	9
Chell o	Chesterton	5
Newchapel 1	Silverdale	4
Milton 3	Workhouse	2

Of the total number of cases notified 6 proved fatal, or 18.2 per cent. I was able to remove 12 cases to the Sanatorium.

Inducators Disserus.

I am very pleased indical to state that infectious discussed has been very outed into the prevalent thin year than in the justice were very comment to be previous year. This is the lowest nomber meridied for over ten years.

MARKETT FEVER :- The thickee has been very much lies previous year used were notified as compared with 10s during the previous year. Of these cases I was able to remove to to the Sunstantum.

The cases occurred as follows:

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or the case of the Sametodyne were those of two of the market of the character of the chara

formers Frank :- This discase has also been loss provided than in the previous year. As these been have been northed as compared with as during the previous year. The

Chest of Chesterton Chesterton of Chesterton

Of the Lead number of cuestravified 6 proved first, or the part part of the cases to the Sanatorium

MEMBRANOUS CROUP:—No cases of this disease have been notified during the year.

ERYSIPELAS: —31 cases of Erysipelas have been notified during the year as compared with 42 during the previous year. 3 of the cases proved fatal, or 9.6 per cent.

The cases occurred as follows :-

Goldenhill	3	Wolstanton	5
Chell	2	Chesterton	5
Newchapel	2	Silverdale	II
Milton	3	Workhouse	0

DIPHTHERIA:—50 cases of Diphtheria were notified during the year as compared with 78 during the previous year. Of the cases notified 4 were removed to the Sanatorium. I should have liked more cases to be removed, but owing to lack of accommodation I was unable to do so.

The cases occurred as follows:-

Goldenhill 9	Wolstanton	7
Chell 5	Chesterton	1
Newchapel 9	Silverdale	0
Milton 18	Sanatorium	I

7 cases proved fatal, or 14. per cent. Antitoxin has been more freely used this year than in previous years, but I hope to see it more freely used in the next. I should suggest to the Council the advisability of providing the Antitoxin free of charge for such cases who from their circumstances were unable to provide it themselves.

In all cases where the disease occurred the houses were thoroughly disinfected.

MEASLES:—This disease has been more prevalent than in the previous year. 13 deaths occurred from measles and complications—chiefly pneumonia—as compared with 6 during the previous year. In some parts of the district the disease appeared in Epidemic form when it was considered advisable to close the Schools for a few weeks.

MEMBERSHADON CROUP : No cases of this disease have been during the year.

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Ten cases occurred as follows:

y cases proved fatal, or to per cent. Antitoxin has been more freely used this year-ban in previous years, but I bope to see it more freely used in the next; I should suggest as the Council the advicability of providing the Antitoxin free of charge for each cases who from their circumstances were enable to provide it themselves.

in all cases where the disease occurred the houses serve the pourses

Measures :- This disease has been more prevalent than in the previous year. If deather occurred from measles and complications chiefly presented in some parts of the district the disease reach in some parts of the district the disease appeared in Epidemic form when it was considered adversable in close the Schools for a few weeks.

SMALLPOX:—One case of Smallpox was notified during the year. This is the first case in the district since 1894. The case occurred at Wolstanton. Immediately on the case being notified, along with the Inspector I visited the case. The case was one of confluent smallpox, which I regret to say had been ill for some days previous to medical aid being called in. The patient was removed to the Bradwell Sanatorium as soon as possible. The inmates of the house were re-vaccinated, and a strict quarantine of 14 days imposed. The bedding, carpets, etc., were destroyed and the house thoroughly disinfected. I am glad to state that no more cases occurred, and also that the patient affected recovered.

No cases of Typhus Fever, Cholera, Plague, or Arsenical poisoning occurred in the district during the year.

VACCINATION.

The number of successful (primary) vaccinations during the year 1902, was as follows:—

Tunstall (Rural)	 	220
Milton	 	90
Wolstanton	 	700
		1010

Owing to the case of smallpox a large number of people were re-vaccinated.

Normales of Tophus rieser, Cholem. Plague, of Advantage police of the control of the district during the year.

Vaccementals.

The number of successful (primary) vaccinations during the year room was as follows :--

Totalalian (Rural) ... que que su que

Dwing to the case of smallpox a large symber of people were re-vaccinated.

INFECTIOUS DISEASE.

The following cases have been notified under the Infectious Diseases (Notification) Act, 1889, during the year from the different parishes in the district.

DISEASES.

elas										
Erysipelas	63	53	2	10	10	11	60	0	0	18
Puerperal	1	1	1	0	1	1	0	0	0	×
Continued		0	0	0	0	0	0	0	0	-
Diphtheria	6	10	o	7	1	0	18	0	1	KO
Typhoid	10	0	1	6	10	4	60	5	0	70
Scarlet Fever	1	0	0	1	0	00	11	0	5	3
Smallpox	0	0	0	1	0	0	0	0	0	-
	:			:			3			
	:				:		:		: :	
					:	:	:	:	: :	
PARISHES	Goldenhill	Chell	Newchanel	Welstanton	Wolstanton	Chesterion	Milton	William In the same of	Sanatorium	

PROPERTY BESTER

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The following table will show the number of cases notified during each year from each disease for the last ten years.

			1893	1894	1895	1896	1897	1898	1899	1900	1901	1902
Smallpox	:	:	21	1	0	0	0	0	0	0	0	1
Scarlet Fever	:	ı	113	336	261	193	87	183	362	369	102	35
Typhoid Fever	:	:	97	49	44	24	55	89	69	200	43	34
Continued Fever	:	:	11	12	0	61	67	0	67	0	-	1
Diphtheria	:	;	23	17	24	52	15	24	80	175	78	20
Membranous Croup	:	:	60	60	12	22	6	64	1	00	1	0
Puerperal Fever	:	:	10	60	00	10	9	4	10	9	60	ю
Erysipelas	:	:	54	**	50	62	55	24	52	89	42	31
			276	465	402	80	225	305	545	979	270	157

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IT, DEATH DURING YEAR 1902.

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AT, DEATH DURING YEAR 1902.

DINE	D AGES	D	EATH S	IN LOC	ALITIE	S (AT A	ALL AC	GES)	Total
25 and under 65	65 and upwards	Milton	Chell	Newchapel	Goldenhill	Wolstanton	Chesterton	Silverdale	Deaths in Public Institutions in the District
		1 2 2	"i	3 	3 1	5 1		 1	 ïi ïï
5		" " "	···· ··· ··· 1	1 	2	2 1			6 1
3 1 1			 1	 1	 4 	 1 3	 2 6 1	 5 1	 1 2
1 14 3 12	1	1 3 2 2 2 2	2 4	 1 1	2	2 6 4	 4 5	5 3	1 3 7
2 9 2 1 4	8 18 8 1	2 2 3 	1 9 4 	5 3 	2 17 4 	4 14 8	9 10 	3 10 20 3	7 9 5
3	1	3 1 3	2 6	1 2	 1	2 3 1	3		ï
6 5 5	22 55	3 1 14	8 1 22	2 8 1 13	7 36	12 3 4 50	12 2 37	11 3 42	9 42
33	116	42	62	48	82	126	95	113	100

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SE NOTIFIED DURING THE YEAR 1902.

rc —	TIFIED	IN EAC	H Loc	ALITY.		N	o. OF (CASES	REMOV EACH L	ED TO	Hospi	TAL FR	ОМ
	Wolstanton	Chesterton	Silverdale	Sanatorium	Workhouse	Milton	Chell	Newchapel	Goldenhill	Wolstanton	Chesterton	Silverdale	Workhouse
	1									1			
	7	1		1					2	2			
	5	5	11		+**								
1	7		8	2		4			2	1		3	
1													
	9	5	4		2	1			5	3	3		

		1	1										
3.					***								
5 5						•••			•••				***
33-	29	12	24	3	2	5			9	7	3	3	

I.

Institutions within the District receivable sick and infirm persons from outside the District

UNION WORKHOUSE, CHELL.

BRADWELL SANATORIU CHESTERTON.

HOLE DISTRICT.

ATHS	TOTAL	15 DU	Deaths of Non- Residents	Residents registered	Ne Ne	all Ages.
iber	*Rate	Deaths in Public Institu- tions	registered in Public Institu- tions in the District	in Public Institu- tions beyond the District	Number	*Rate
21	22.6	1 1	731			
6	19.1		1 5 1			
4	18.1					
9	19.9	M NO	ard I			
3	17:3	HO				
2	21.3					
9	20.8					
8	20.2					
6	22.55	103	65	9	720	20.9
8	20.5	113	70	6	714	18.7
7	20.23					
,	16.98	100	72	3	568	15.14

stimated population.

population at all ages		36,970	sus 01
er of inhabited houses	***	7,695	At Census of 1901
ge number of persons per house	e	5	Ato

WATER SUPPLY: -The Water Supply in the district has been good and abundant during the year.

Drainage:—No drainage work of any importance has been carried out during the year.

The bake-houses and slaughter-houses have been regularly inspected during the year.

REMOVAL OF NIGHT-SOIL AND ASHES:—This might—and ought to be—greatly improved upon. I have had occasion frequently to complain of the removal of night-soil in the middle of the day, or afternoon, instead of morning and night. I therefore ask the Council to put more stringent regulations on the persons who contract to remove the same.

Over-crowding in dwelling houses has been reported in a few cases, and steps have been taken to remedy the same.

I enclose table 1, 3, and 4, and a summary of sanitary work done during the year.

I have the honour to be, GENTLEMEN,

Your obedient Servant,

T. McKAY YOUNGSON,

M.B., C.M., (Aberd.)

Medical Officer of Health.

Ivy House, Longport, Staffs. February 28th, 1903.

TABLE 1.-Fo

		Bir	тнѕ	DEATHS ONE YEAR	
YEAR	Population estimated to Middle of each Year	Number	*Rate	Number	*Rate
1	2	3	4	5	6
1892	32994	1327	41.6	225	169
1893	33171	1380	43.0	181	131
1894	33348	1270	39.3	187	147
1895	33525	1135	34.3	214	196
1896	33702	1312	38 4	206	157
1897	33879	1321	39.02	239	181 ⋅6
1898	34056	1354	39.7	250	184.6
1899	34233	1335	38.7	238	181.5
1900	34410	1344	39.05	218	162.2
1901	37936	1406	37.06	235	160.7
Averages for years 1892-1901	34125	1318	39.01	219	167.0
1902	37494	1440	38.4	194	134.7

* Rates calculated pe

Area of District in acres (exclusive of area covered by water)...}

II.

Institutions outside the District eceiving sick and infirm persons from the District

IAYWOOD HOSPITAL, BURSLEM.

NORTH STAFFORD INFIRMARY.

TABLE III.—Cases of Infectious I

											_
		CA	SES N	OTIFIE	N NI C	HOLE	DISTRI	СТ		Тота	L
Notifiable Diseas	E	At all Ages	Under 1	1 10 5	5 to 15	15 to 25	25 to 65	65 and upwards	Milton	Chell	
Small-pox		1					1				
Cholera											
Diphtheria		50	2	16	17	6	7	2	18	5	
Membranous Croup		***									
Erysipelas		31		1	2	8	20		3	2	
Scarlet Fever		35	1	12	16	4	2		11		
Typhus Fever											
Enteric Fever		34			7	7	20		3		
Relapsing Fever											
Continued Fever		1			1						
Puerperal Fever		5				1	4			1	
Plague											
Totals		157	3	29	43	26	54	2	35	8	

TABLE IV.—Causes of, and

		DEATE	HS IN W	HOLED	ISTR
CAUSES OF DEATH		All ages	Under 1	1 and under 5	5 and under 15
Small-pox		13	5	7	
Scarlet Fever				'	
Whaning Cauch	***	6	1		1
Diphtheria and Membranous Croup		2 2 7	1	1	
C		'		5	2
Typhus Fever Enteric Fever	***				
		6	***		
Other Continued Fever					
Epidemic Influenza		2			
Cholera	***				
Plague					
Diarrhœa		12	6	6	
Enteritis		12	8	1	
Puerperal Fever		1			
Erysipelas		3			
Other Septic Diseases					
Phthisis		23	2	2	
Other Tubercular Diseases		22	11	4	3
Cancer, Malignant Disease		20	***		
Bronchitis		66	26	8	
Pneumonia		52	20	8	2
Pleurisy		3			
Other Diseases of Respiratory Organs		1			
Alcoholism, Cirrhosis of Liver		5	***		
Venereal Diseases					
Premature Birth		21	21		
Diseases and Accidents of Parturition		5			
Heart Diseases		61			1
Accidents		10	1	1	1
Suicides		5			
All other causes		214	91	11	7
All causes		568	193	54	18

Wolstanton Rural

BOUND IN BACKWARDS.

START AT OTHER END.