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TYNEMOUTH

Rural District Council.

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REPORTS

OF THE

Medical Officers of Health,

For the Year 1905.

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NORTH SHIELDS :

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Journal of the

Journal of the

# REPORT

OF THE

No. 1, OF NORTHERN DIVISION,

OF THE

Tynemouth Rural District Council,

BY

**ALFRED SEYMOUR TAYLOR,**

*Fellow of the Royal Institute of Public Health, L.R.C.P.E.,*

*L.R.C.S.E., L.F.P., and S.G., and L.M.*

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TO THE CHAIRMAN AND MEMBERS OF THE TYNEMOUTH RURAL  
DISTRICT COUNCIL.

Gentlemen,

I beg to forward you my Twelfth Annual Report for the year ending December 31st, 1905.

## **Population.**

The population according to the census of 1901 is 9,434, and by estimation to the middle of 1905 is 10,263.

## **Births.**

Three hundred and thirteen births were registered, giving a birth rate of 33·01 per thousand per annum, upon the census of 1901, and a rate of 30·48 upon the estimated population.

## **Deaths.**

One hundred and forty-four deaths have been reported, which gives a mortality of 15·25 per thousand per annum, estimated upon the 1901 census of 9,434, or of on the estimated population to the middle of 1905, 14·03 per thousand.



In the tables appended, **A** indicates the number of deaths which occurred in each locality during each quarter of the year, and also the ages (in groups) at which death took place; and **B** gives information as to population and rates in the different sub-divisions.

<i>Table A</i>	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total.	Under 1 Year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwds.	Deaths.
Seaton Delaval	20	14	29	19	82	36	6	2	3	14	21	Under 5 42 5 upwards 40
Hartley ...	7	5	3	4	19	6	6	1	0	3	3	Under 5 12 5 upwards 7
Horton ...	8	8	11	5	32	11	3	0	1	6	11	Under 5 14 5 upwards 18
Hartford West	0	0	1	1	2	0	0	1	0	1	0	Under 5 0 5 upwards 2
Hartford East	2	2	5	0	9	2	2	3	0	1	1	Under 5 4 5 upwards 5
Bebside ...	0	0	0	0	0	0	0	0	0	0	0	Under 5 0 5 upwards 0
Whole District	37	29	49	29	144	55	17	7	4	25	36	Under 5 72 5 upwards 72

<i>Table B.</i>	Population 1901.	Estimated Population to middle of 1905.	Births registered in 1905.	Birth rate per 1,000 on Estimated Population	Deaths registered in 1905.	Death rate per 1000 on Estimated Population	Infant Mortality per 1000 Births.	Zymotic Death rate per 1,000 on Estimated Population.	Death rate per 1,000 under 5 years on Estimated Population.	Phthisis Death rate per 1,000 on Estimated Population.	Respiratory Death rate per 1000 on Estimated Population.
Seaton Delaval	4902	5272	142	26.9	82	15.5	253	1.1	7.9	0.7	1.8
Hartley ...	1617	1788	75	41.9	19	10.6	80	1.6	6.7	0	2.7
Horton.. ...	2111	2197	57	25.9	32	14.5	192	3.6	6.3	0.9	2.2
Hartford West.	79	80	2	25.0	2	25.0	0	0	0	0	0
Hartford East.	667	868	37	42.6	9	10.3	54	0	4.6	0	4.6
Bebside. ...	58	58	0	0	0	0	0	0	0	0	0
TOTALS ...	9434	10263	313	30.48	144	14.03	175	1.65	7.01	0.58	2.3

### Infant Mortality.

Infant Mortality rate 175 per thousand births, the same as compared with 1904.

Of the 55 deaths which occurred under one year,  
 26 were under one month,  
 16 were between 1 and 6 months,  
 13 were between 6 and 12 months.

Seventy-two deaths occurred under five years, which gives a mortality of 7.01 per thousand at this age period, on estimated population of 10,263.

### Zymotic Death Rate.

Seventeen deaths occurred from Zymotic Diseases which is equivalent to a Zymotic death rate of 1.65 per thousand of the population estimated to the middle of 1905, and which is a decrease of 0.62 as compared with 1904.

### Notifiable Infectious Diseases.

Scarlatina, Diphtheria, Enteric Fever, Puerperal Fever, Erysipelas, Membranous Croup and Chicken-pox, occurred at the places, and in the months indicated by the subjoined table.

#### Scarlatina.

58 Cases.

Seaton Delaval. Eighteen cases.—1 in May, 2 in June, 4 in July, 2 in August, 4 in October, 1 in November, 4 in December.

Hartley. Thirty Cases.—6 in September, 11 in October, 13 in November.

Horton. Seven Cases.—2 in January, 3 in February, 1 in May, 1 in December.

Hartford West. One case.—1 in October.

Hartford East. Two cases.—1 in April, 1 in October.

Bebside. No cases.

Scarlet Fever was prevalent during the year and of a mild type, it was scattered over a large area and did not become epidemic. There was a marked diminution in the number of cases as compared with 1904, when 130 were notified, as against 58 for 1905. There were no fatal cases.

#### Diphtheria.

31 Cases.

Seaton Delaval. Three cases.—2 in January, 1 in February.



- Hartley. Eleven cases.—6 in February, 2 in September, 1 in October, 1 in November, 1 in December.
- Horton. Eleven cases.—1 in January, 4 in March, 2 in May, 3 in June, 1 in October.
- Hartford East. Six cases.—5 in April, 1 in October.

One case proved fatal, at Seaton Delaval, a child 5 years old, who rapidly succumbed to the disease. All the other cases were of a mild type. There was nothing in the surroundings, that could be ascertained, to account for the disease in anyway. Several of the cases were traced as having been in contact with previous cases, and also to neighbours visiting each others houses, carrying infection, and thus spreading the disease, in spite of being cautioned not to do so.

### Enteric Fever.

6 Cases.

Seaton Delaval. One case in October.

Hartley. One case in November.

Horton. One case in August.

Hartford East. Three cases.—1 in August, 1 in September, 1 in October.

With regard to the case at Hartley (Seaton Sluice), a drain was found to be defective, allowing sewer gas to escape into a wash-house, where the patient, a child, was accustomed to play for several hours a day.

This no doubt accounted for the disease. The defect was remedied without delay. The child happily recovered and there were no more cases.


All the other cases mentioned had been from home previous to their illness and probably contracted the disease elsewhere as there was nothing ascertainable in the surroundings to account for the disease in anyway.

### Continued

**Fever.** No cases were notified during the year.







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**Puerperal  
Fever.**

Hartley. One case in November which recovered.

**Erysipelas.**

34 Cases.

Seaton Delaval. Twenty-one cases.—1 in January, 3 in February, 3 in March, 1 in April, 1 in May, 4 in June, 1 in July, 2 in October, 2 in November, 3 in December.

Hartley. Five cases.—2 in January, 1 in March, 1 in April, 1 in November.

Horton. Eight Cases —1 in February, 1 in March, 1 in June, 1 in July, 2 in September, 2 in October.

**Chicken-pox.**

190 Cases.

Seaton Delaval. Eighty-two cases.—2 in February, 4 in May, 15 in June, 35 in July, 12 in August, 11 in September, 1 in November, 2 in December.

Hartley. Fifty-six cases.—2 in February, 5 in March, 8 in April, 15 in May, 9 in June, 2 in July, 9 in October, 7 in November, 3 in December.

Horton. Fifty-two cases.—1 in January, 11 in March, 22 in April, 13 in May, 4 in June, 1 in November.

**Membran-  
ous Croup.**

6 Cases.

Hartley. Four cases.—1 in October, 3 in November.

Horton. Two cases.—2 in February.

**Infectious Diseases Not Notifiable.**

**Measles.** Measles was prevalent during the year, but more especially at New Hartley (in the Parish of Seaton Delaval), where it became epidemic. It was found necessary to close the schools from February 7th until the 27th, when the disease rapidly subsided. Six cases proved fatal in the whole district, all under five years of age.

**Whooping  
Cough.** Was prevalent during the year. There were two fatal cases.



- Influenza.** Also was prevalent, but in a mild form.
- Diarrhœa.** Also was prevalent, eight deaths were attributed to this cause.

### **Scavenging.**

Has been carried out with fair regularity during the year.

### **Improvements.**

Twenty-three new houses have been occupied at Hartford East, and eleven at Seaton Delaval.

The sewer has been extended at Cossar's Property, New Delaval.

### **Requirements.**

Ashpits are required for Camp Terrace, Seaton Delaval.

The open gutter and cesspool at Wheatridge Row, Seaton Delaval should be dispensed with and gullies provided.

Steam Disinfector for Isolation Hospitals.

Two Contact Wards for Small-pox Contacts, to be built at Scaffold Hill Small-pox Hospital.

Water supply is required for Red House Farm and New Hartley Station, where the supply is quite inadequate. I would recommend extension of water main from Avenue Row.

The sewage should be conveyed in closed pipes from the Avenue Head to the sea.

Back-to-back houses at Camp Terrace and Double Row, Seaton Delaval, should be converted into double houses, which would certainly make them more healthy, and allow through ventilation.

### **Nuisances (Work of Sanitary Inspector).**

22 Nuisances have been abated during the year as follows, viz.:—

- 5 Choked drains, which were cleared.
- 4 Defective drains, which have been relaid.
- 1 Privy and Ashpit, abolished.
- 4 Privies and Ashpits, repaired.



TABLE I.

Name of District : TYNEMOUTH RURAL—No. 1 DIVISION.

Vital Statistics of whole District during 1905 and Previous Years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number.	Rate.*	Under 1 Year of Age.		At all Ages.					Number.	Rate.*
				Number.	Rate per 1000 Births registered.	Number.	Rate.*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1895	11681	447	38.26	67	149	203	17.37					
1896	11906	385	32.33	48	124	160	13.43					
1897	8720	280	32.11	47	167	191	21.90					
1898	8869	294	33.14	51	176	145	16.34					
1899	9456	259	27.39	60	231	189	18.92					
1900	9656	305	31.58	32	104	145	15.01					
1901	9434	299	31.69	63	210	170	18.01					
1902	9594	307	32.21	35	114	147	15.32					
1903	9780	277	28.32	43	156	158	16.36					
1904	10094	297	29.42	52	175	156	15.45					
Averages for years 1895-1904.	9619	315	31.64	49	160	166	16.81					
1905	10263	313	30.48	55	175	144	14.12					

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

NOTE.—The deaths to be included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public Institutions" to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses and lunatic asylums. A list of the Institutions in respect of the deaths in which corrections have been made should be given on the back of this Table.

Area of District in acres (exclusive of area covered by water)..... } 7929.

Total population at all ages..... 9434

Number of inhabited houses..... 1909

Average number of persons per house..... 5

} At Census of 1901.

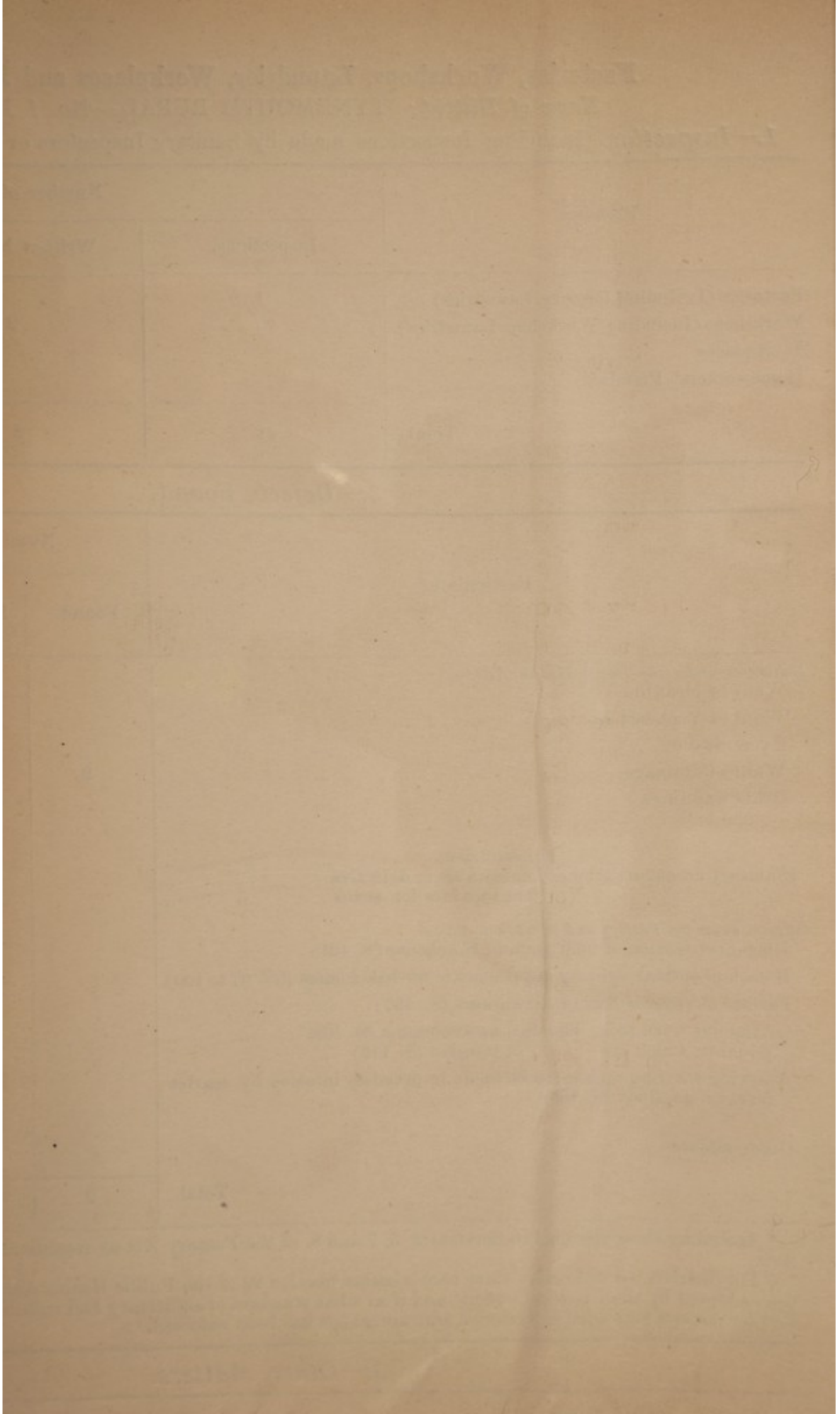




TABLE II.

## Vital Statistics of separate Localities in 1905 and previous years.

Name of District: TYNEMOUTH RURAL.—No. 1 Division.

Names of Localities.	1.—Seaton Delaval.				2.—Hartley.				3.—Horton.				4.—Hartford West.				5.—Hartford East.				6.—Bebside.				7.—			
	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.
YEAR.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.
1895 ...	4463	168	77	27	1267	46	21	4	2307	71	33	9	78	4	1	0	262	33	14	6	85	1	1	0				
1896 ...	4541	134	56	19	1296	43	14	5	2340	71	38	8	79	1	0	0	286	33	9	5	86	1	0	0				
1897 ..	4582	142	101	25	1328	58	26	4	2349	57	51	16	82	3	0	0	294	20	12	2	85	0	1	0				
1898 ...	4626	140	96	31	1362	49	15	8	2391	69	27	7	84	2	0	0	318	31	7	5	88	3	0	0				
1899 ...	5066	128	105	35	1487	50	25	8	2404	57	44	10	87	3	0	0	322	19	15	7	90	2	0	0				
1900 ...	5147	164	83	18	1566	56	17	4	2424	53	33	8	89	2	0	0	339	29	12	2	91	1	0	0				
1901 ...	4902	145	84	29	1617	78	31	13	2111	51	40	9	79	3	0	0	667	22	15	12	58	0	0	0				
1902 ...	4980	153	75	21	1657	66	26	4	2129	52	34	9	79	1	1	0	691	35	11	1	58	0	0	0				
1903 ...	5030	126	76	17	1690	60	27	7	2157	63	35	12	79	1	1	0	765	24	18	6	59	3	1	1				
1904 ...	5212	142	70	19	1732	72	30	10	2172	55	40	12	80	2	1	1	840	26	15	10	58	0	0	0				
Averages of Years 1895 to 1904.	4854	144	82	24	1500	57	23	6	2278	59	37	11	81	2	0·4	0·1	478	27	12	5	75	1	0·3	0·1				
1905 ...	5272	142	82	36	1788	75	19	6	2197	57	32	11	80	2	2	0	868	37	9	2	58	0	0	0				

- NOTES—(a) The separate localities adopted for this table should be areas of which the populations are obtainable from the census returns, such as wards, parishes, or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district: and blocks 2, 3, &c., for the several localities. In small districts without recognised divisions of known population this Table need not be filled up.
- (b) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns *c* of this table, and those of non-residents registered in public institutions in the district excluded. (See note on Table I. as to meaning of terms "resident" and "non-resident.")
- (c) Deaths of residents occurring in public institutions, whether within or without the district, are to be allotted to the respective localities according to the addresses of the deceased.
- (d) Care should be taken that the gross totals of the several columns in this Table respectively equal the corresponding totals for the whole districts in Tables I. and IV.: thus, the totals of sub-columns *a*, *b*, and *c* should agree with the figures for the year in the columns 2, 3, and 12 respectively, of Table I.; the gross total of the sub-columns *c* should agree with the total of column 2 in Table IV., and the gross total of sub-columns *d* with the total of column 3 in Table IV.



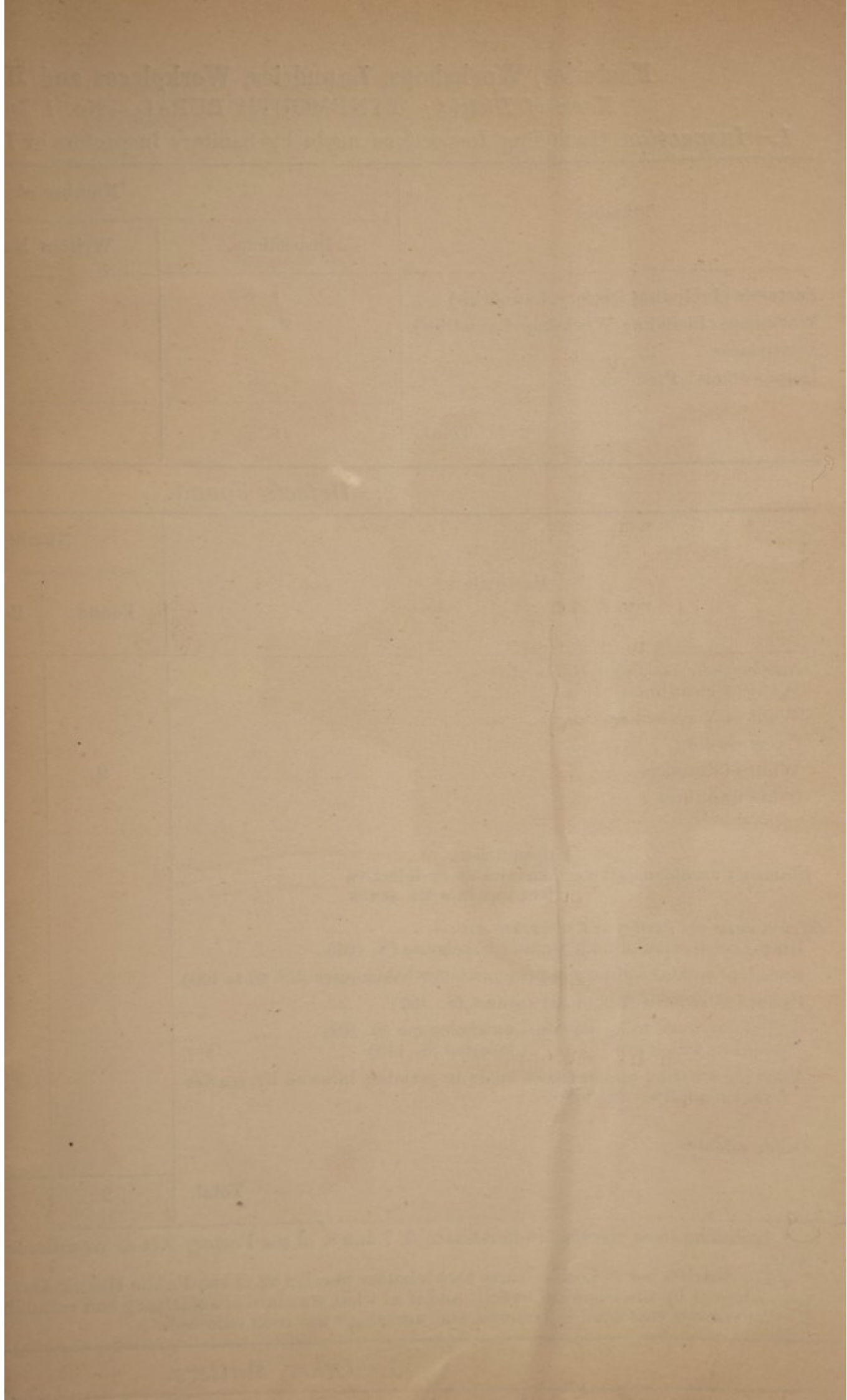


TABLE III.

Name of District: TYNEMOUTH RURAL—No. 1 DIVISION.  
 Cases of Infectious Disease notified during the Year 1905.

Notifiable Disease.	Cases Notified in Whole District.							Total Cases Notified in each Locality.							No. of Cases Removed to Hospital from each Locality.																																					
	At all Ages.	At Ages †—Years.						1 Seaton Delaval.	2 Hartley.	3 Horton.	4 Hartford West.	5 Hartford East.	6 Bebside.	7	1 Seaton Delaval.	2 Hartley.	3 Horton.	4 Hartford West.	5 Hartford East.	6 Bebside.	7																															
		Under 1	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.																																													
Small-pox ... ..																																																				
Cholera ... ..																																																				
Diphtheria ... ..	31		14	13	3	1		3	11	11			6																																							
Membranous Croup...	6	1	4	1					4	2																																										
Erysipelas ... ..	34			2	1	26	5	21	5	8																																										
Scarlet Fever ... ..	58	5	21	29	1	2		18	30	7	1	2																																								
Typhus Fever ... ..																																																				
Enteric Fever ... ..	6		1		4	1		1	1	1			3																																							
Relapsing Fever ... ..																																																				
Continued Fever ... ..																																																				
Puerperal Fever ... ..	1				1				1																																											
Plague ... ..																																																				
* Chicken-pox ... ..	190	17	84	83	4	2		82	56	52																																										
Totals ... ..	326	23	124	128	14	32	5	125	108	81	1	11																																								

NOTES.—The localities adopted for this Table should be the same as those in Tables II. and IV.  
 State in space below the name of the isolation hospital, if any, to which residents in the district, suffering from infectious disease, are usually sent. Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district. The name of the authority by whom the hospital is provided should also be given. Mark (W) the locality in which a workhouse is situated.  
 \* This space may be used for record of other disease the notification (compulsory or voluntary) of which is in force in the district.  
 † These age columns for notifications should be filled up in all cases where the Medical Officer of Health, by inquiry or otherwise, has obtained the necessary information.  
 Joint Isolation Hospitals.—(a) Earsdon, and (b) Scaffold Hill, situated in the (a) Earsdon Urban District, and (b) Tynemouth Rural (No. 2 Division), respectively.

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TABLE IV.

Name of District: TYNEMOUTH RURAL, No. 1 DIVISION.

Causes of, and Ages at, Death during Year 1905.

CAUSES OF DEATH.	DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING IN OR BEYOND THE DISTRICT.							DEATHS AT ALL AGES OF "RESIDENTS" BELONGING TO LOCALITIES, WHETHER OCCURRING IN OR BEYOND THE DISTRICT.						Total Deaths whether of Residents or Non-Residents in Public Institutions in the District.	
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Seaton Delaval.	Hartley.	Horton.	Hartford West.	Hartford East.	Bebside.		15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Small-pox															
Measles	6	1	5					2	2	2					
Scarlet fever															
Whooping Cough	2	1	1					2							
Diphtheria and membranous croup	1			1				1							
Croup															
Fever { Typhus Enteric Other continued															
Epidemic Influenza															
Cholera															
Plague															
Diarrhoea (See notes at back)	8	8						1	1	6					
Enteritis (See notes at back)	3	2	1					2	1						
Puerperal fever ( Do. )															
Erysipelas															
Other septic diseases															
Phthisis (pulmonary tuberculosis)	6				4	2		4		2					
Other Tubercular diseases	6	2	2	1		1		3	1	1		1			
Tubercular Peritonitis															
Cancer, malignant disease (See notes on back)	5					1	4	3		1		1			
Bronchitis	10	5	2				3	5	1	3		1			
Pneumonia	9	2	3			1	3	3	4	2					
Pleurisy	1					1		1							
Other diseases of Respiratory organs	4			2		1	1	1				3			
Alcoholism Cirrhosis of liver	2					1	1	1		1					
Venereal diseases	1	1						1							
Premature birth	11	11						8	1	2					
Diseases and accidents of parturition															
Heart diseases	18	1		2		7	8	7	2	7	2				
Accidents	2					2		2							
Suicides															
Convulsions	11	8	3					8	1				2		
Debility from Birth	9	9						8		1					
Brain Diseases	6	2				2	2	3	1	1		1			
Kidney Diseases	6			1		3	2	5	1						
All other causes	17	2				3	12	11	3	3					
All causes	144	55	17	7	4	25	36	82	19	32	2	9			

See Notes at back.

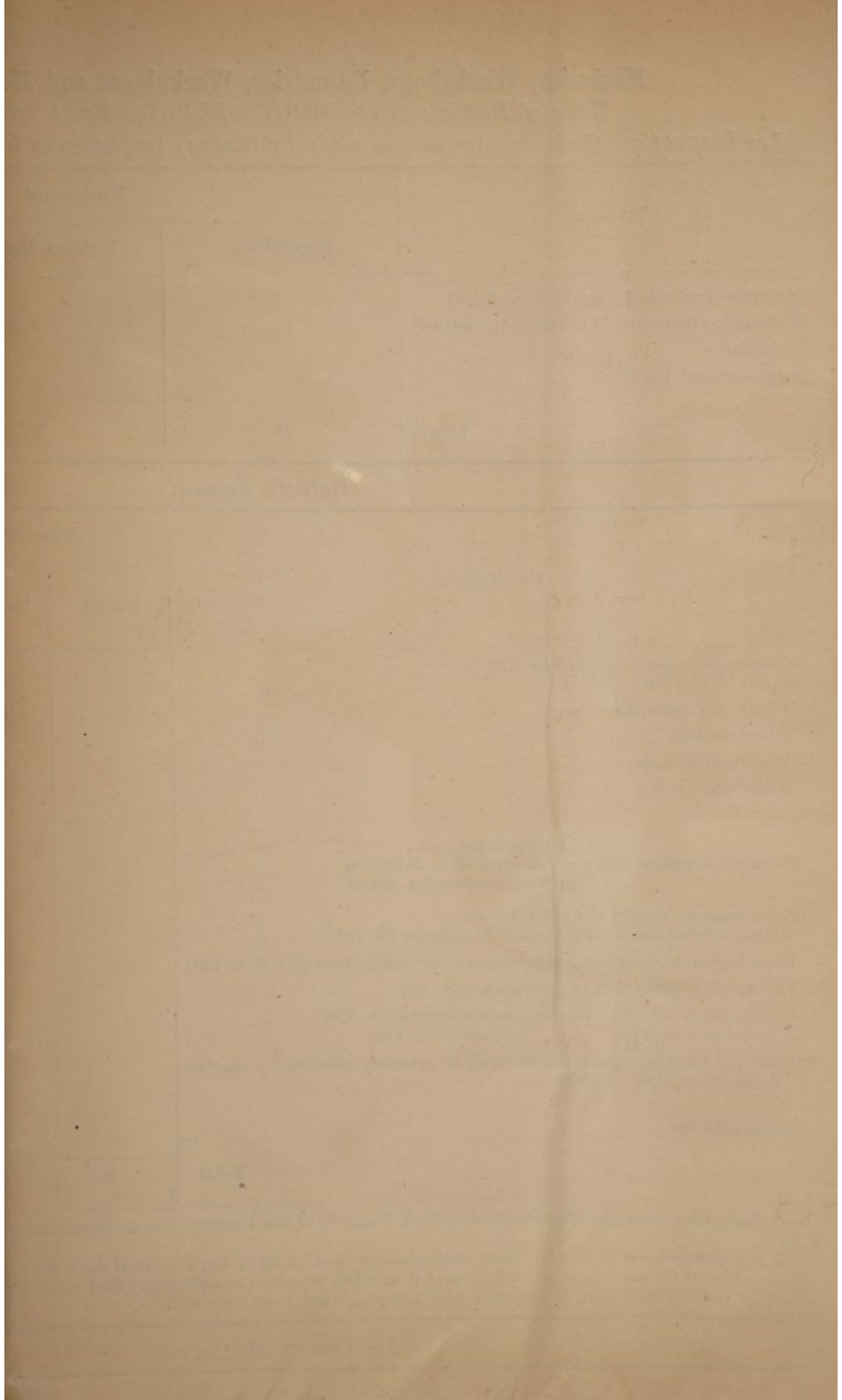




TABLE V.

Name of District: TYNEMOUTH RURAL No. 1 DISTRICT.

Infantile Mortality during the Year 1905. Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		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	Total Deaths under One Year.	
All Causes	{ Certified ... ..	17	2	4	3	26	5	2	3	3	3	2	3	3	1	2	2	29	
	{ Uncertified ... ..																		
Common Infectious Diseases	{ Small-pox ... ..																		
	{ Chicken-pox ... ..																		
	{ Measles ... ..																1	1	
	{ Scarlet Fever ... ..																		
	{ Diphtheria: Croup ... ..																		
Diarrhoeal Diseases.	{ Whooping Cough ... ..				1	1													
	{ Diarrhoea, all forms ... ..				2	2	1	1			1			1		1		5	
	{ Enteritis [not Tuberculous] }											1				1		2	
	{ Gastritis, Gastro-intestinal Catarrh }										1							1	
Wasting Diseases.	{ Premature Birth ... ..	10		1		11													
	{ Congenital Defects ... ..	1		1		2													
	{ Injury at Birth... ..	1				1													
Tuberculous Diseases	{ Want of Breast-milk ... ..																		
	{ Atrophy, Debility, Marasmus }	5		2		7	2											2	
	{ Tuberculous Meningitis														1			1	
	{ Tuberculous Peritonitis: Tabes Mesenterica																		
Other Causes	{ Other Tuberculous Diseases }																		
	{ Erysipelas ... ..																		
	{ Syphilis ... ..						1											1	
	{ Rickets ... ..																		
	{ Meningitis [not Tuberculous] }																		
	{ Convulsions ... ..							1	3		1		2					7	
	{ Bronchitis ... ..						1			1		1						3	
	{ Laryngitis ... ..																		
	{ Pneumonia ... ..									1			1	1	1		1		5
	{ Suffocation, overlaying																		
{ Other Causes ... ..		2			2				1									1	
		17	2	4	3	26	5	2	3	3	3	2	3	3	1	2	2	29	

District (or sub-division) of Tynemouth Rural District Council, No. 1 District.

Population, estimated to middle of 1905—10,263.

Births in the year { Legitimate, 304.  
 { Illegitimate, 9.

Deaths from all Causes at all Ages, 144.



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A large table with multiple columns and rows, containing very faint and illegible text. The table structure is visible but the content is unreadable.

## Factories, Workshops, Laundries, Workplaces and Homework.

Name of District: TYNEMOUTH RURAL.—No. 1 Division.

### 1.—Inspection (Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances).

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries) ...	1		
Workshops (Including Workshop Laundries)	20	2	
Workplaces ... ..			
Homeworkers' Premises ... ..			
Total...	21	2	0

### 2.—Defects Found.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
<i>Nuisances under the Public Health Acts:—*</i>				
Want of cleanliness ... ..				
Want of Ventilation ... ..				
Overcrowding ... ..				
Want of drainage ... ..	2	2		
Other nuisances ... ..				
§Sanitary accommodations { insufficient ... ..				
{ unsuitable or defective ... ..				
{ not separate for sexes... ..				
<i>Offences under the Factory and Workshop Act:—</i>				
Illegal occupation of underground bakehouse (S. 101) ... ..				
Breach of special sanitary requirements for bakehouses (SS. 97 to 100).				
Failure as regards lists of outworkers (S. 107) ... ..				
Giving out work to be done in { unwholesome (S. 108) ... ..				
premises which are { infected (S. 110) ... ..				
Allowing wearing apparel to be made in premises infected by scarlet fever or smallpox (S. 109) ... ..				
Other offences ... ..				
Total...	2	2	0	0

\* Including those specified in Sections 2, 3, 7 and 8, of the Factory Act as remediable under the Public Health Acts.

§ For districts not in London state here whether Section 22 of the Public Health Acts Amendment Act, 1890, has been adopted by the District Council; and if so what standard of sufficiency and suitability of sanitary accommodation for persons employed in factories and workshops has been enforced.

### 3.—Other Matters.

Class.	Number.
<i>Matters notified to H.M. Inspectors of Factories:—</i>	
Failure to affix Abstract of the Factory and Workshop Act (S. 133) ... ..	Nil.
Action taken in matters referred by H.M. Inspectors { Notified by H.M. Inspector ...	
as remediable under the Public Health Acts, but not { Reports (of action taken) sent to ...	
under the Factory Act (S. 5) ... ..	
Other ... ..	
<i>Underground Bakehouses (S. 101):—</i>	
Certificates granted during the year ... ..	
In use at the end of the year ... ..	
<i>Homework:—</i>	
<i>List of Outworkers* (S. 107):—</i>	
Lists received ... ..	
Addresses of outworkers { forwarded to other Authorities ... ..	Nil.
{ received from other Authorities ... ..	
<i>Homework in unwholesome or infected premises:—</i>	
Notices prohibiting homework in unwholesome premises (S. 108) ... ..	
Cases of infectious disease notified in homeworkers' premises ... ..	
Orders prohibiting homework in infected premises (S. 110) ... ..	
Workshops on the Registrar (S. 131) at the end of 1905 ... ..	20
Important classes of workshops, } such as workshop bakehouses, } may be enumerated here. }	
Total number of Workshops on Register...	20

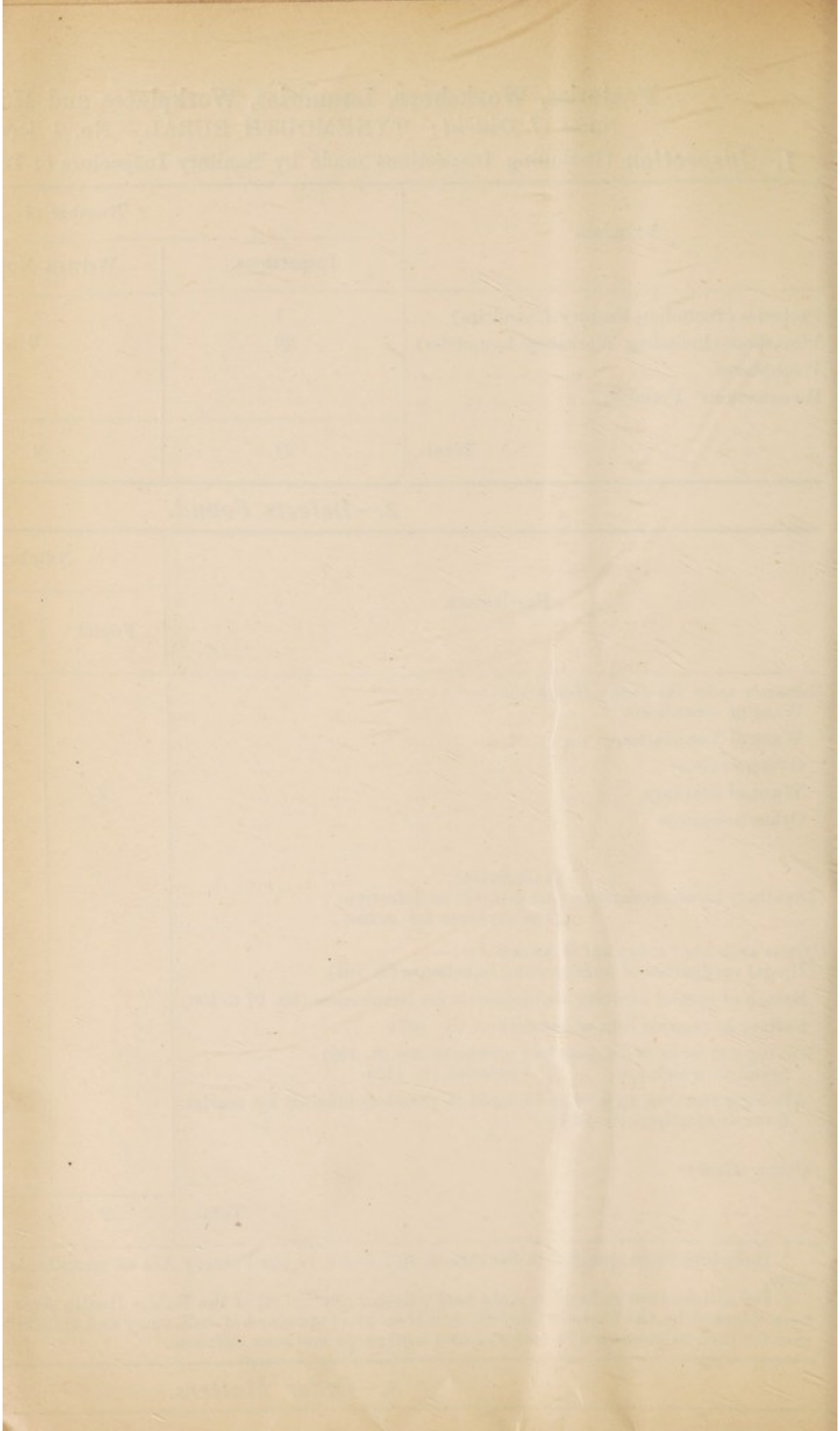
Dated January 13th, 1906.

(Signature) ALFRED S. TAYLOR,

Medical Officer of Health.

\* The List should be received twice in the year. The year's figures required in the Table are those obtained by adding together the two half-yearly totals.

NOTE.—The Factory and Workshop Act, 1901 (s. 132), requires the Medical Officer of Health in his Annual Report to the District Council to report specifically on the administration of that Act in workshops and workplaces, and to send a copy of his Annual Report, or so much of it as deals with this subject, to the Secretary of State (Home Office). If the Annual Report is presented otherwise than in print, it is unnecessary to include in the copy sent to the Home Office the portions which do not relate to factories, workshops, laundries, workplaces or homework. The duties of Local Authorities and the Medical Officer of Health under the Act of 1901 are detailed in the Home Office Memorandum of December, 1904.





- 1 Privy and Ashpit, provided.
- 3 Privies and Ashpits which required cleaning.
- 1 Dirty house which required cleaning.
- 2 Over-crowding, which were abated.
- 1 Defective down pipe and rain water gutter which have been put right.

### **Cowsheds and Dairies.**

Accompanied by your Inspector (Mr. Bean) all Cowsheds and Dairies in the district were inspected, and the cubic space ascertained. With few exceptions they were found to be satisfactory, both for cubic capacity, ventilation and cleanliness.

Instructions were given to those who were not so, to have the defects remedied without delay.

### **Factory and Workshop Acts, 1901.**

This being a mining centre, there are few workshops under the Act.

Twenty have been registered and inspected.

Two defects in drainage were found both of which were remedied.

I am, Gentlemen,

Your obedient Servant,

ALFRED SEYMOUR TAYLOR.

Seaton Sluice,

March 1st, 1906.

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF THE HISTORY OF ARTS  
CHICAGO, ILLINOIS

### CONSTITUTION AND BY-LAWS

ARTICLE I  
NAME AND PURPOSE  
The name of this organization shall be the History of Art Society of the University of Chicago. Its purpose shall be to promote the study and appreciation of the history of art and to support the work of the Department of the History of Arts.

ARTICLE II  
MEMBERSHIP  
The members of this organization shall be the members of the Department of the History of Arts of the University of Chicago.

### ARTICLE III OFFICERS AND EXECUTIVE COMMITTEE

Section 1. The officers of this organization shall be the President, Vice-President, Secretary, and Treasurer.

Section 2. The Executive Committee shall consist of the President, Vice-President, Secretary, and Treasurer, and such other members as may be determined from time to time by the members of this organization.

Section 3. The officers and Executive Committee shall hold office for one year, and shall be eligible for re-election.

### ARTICLE IV FINANCIAL MATTERS

Section 1. The financial affairs of this organization shall be managed by the Treasurer, who shall submit an annual report to the members of this organization.

1905.

**ANNUAL REPORT**  
OF THE  
**MEDICAL OFFICER OF HEALTH**  
OF  
**No. 2 OF SOUTHERN DIVISION,**  
**TYNEMOUTH RURAL DISTRICT COUNCIL.**

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**ROBERT BUTTERCASE, M.D., Medical Officer.**

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TO THE CHAIRMAN AND MEMBERS.

Gentlemen,

I beg to forward my Annual Report on No. 2 Division of the Tynemouth Rural District Council, for year ending 31st December, 1905.

**Area.**

The total area of the district is 7,240 acres; and it is divided into three localities or sub-districts, Longbenton, Burradon with Camperdown and Willington-Rosehill.

**Population.**

The total population of No. 2 Division at Census 1901, was 11,304, and as estimated to middle of 1905, was 13,580.

The Longbenton locality includes many residential as well as workmen's houses, but the increase of population in this district is chiefly due to erection of new houses for miners at West Allotment.

The population at Burradon and Camperdown is entirely mining. The population of Rosehill is employed in the shipyards at Willington-on-Tyne and Wallsend. There is a small increase at the latter two localities.\*

Table showing Estimated Population and the number of Births and Deaths that have occurred in each locality into which the District or Division is divided.



Localities.	Population Estimated.	Births.	Deaths.
Longbenton ... ..	9000	303	116
Burradon and Camp- erdown ... ..	2300	74	38
Willington and Rose- hill ... ..	2280	90	36
Totals ...	13,580	467	190

### Births.

With the increased population last year the number of Births was only 310 compared with 464 for 1903.

For 1905 the total is 467 and is therefore slightly above that of 1903.

The Birth Rate per 1,000 per annum is 34·3 compared with 30·8 in 1904.

Table showing Number of Deaths in each Locality during each Quarter of Year 1905; also Ages, in Groupes, at which Deaths took place.

	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total.	Under 1 Year,	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwds,	
Long- benton	30	24	38	24	116	44	12	4	6	31	19	U.5 56 } O.5 60 } 116
Burradon and Camp- erdown	15	9	7	7	38	9	5	1	3	8	12	U.5 14 } O.5 24 } 38
Willington — Rose- hill ...	7	6	11	12	36	17	2	0	5	6	6	U.5 19 } O.5 17 } 36
Whole District	52	39	56	43	190	70	19	5	14	45	37	190

B.

## CAUSES OF MORTALITY, &amp;c., 1905.

	Population (Census).	Estimated Population to middle of 1905.	Births registered in 1905.	Birth-rate per 1000 estimated population.	Deaths registered in 1905.	Death-rate per 1000 on estimated population.	Infant Mortality per 1000 births.	Zynotic Death-rate per 1000 on estimated population.	Death-rate under 5 years estimated population.	Smallpox.	Scarlet Fever.	Diphtheria.	Membranous Croup.	FEVERS.										OTHER CAUSES.	TOTALS.				
														Typhus.	Enteric.	Continued.	Relapsing.	Puerperal.	Cholera.	Erysipelas.	Measles.	Whooping Cough.	Diarrhoea.			Rheumatic Fever.	Pithisis.	Bronchitis, Pneumonia, and Pleurisy.	Cardiac Disease.
Long Benton ...	7148	9000	303	35·6	116	12·8	145·2	1·33	6·2		1							1	1			2	9	10	10	6	3	Influenza 2; Tubercular Diseases 2; Cancer 6; Alcohol 3; Premature Birth 15; Parturition 2; Apoplexy 5; Debility 2; Convulsions 5; Kidney 4; Meningitis 7; Marasmus 6; Senile Decay 5; Prostratic 2; Peritonitis 3; Diabetes 2; Jaundice 1; Strangulated Hernia 1.	73
Burradon and Camperdown }	2157	2300	74	32·1	38	16·5	121·6	1·3	6·07	1													2	3	8	1	Diabetes 1; Influenza 2; Prematurity 6; Apoplexy 1; Tubercular Meningitis 3; Cancer 2; Infantile Jaundice 1; Convulsions 2; Parturition 1; Senile Decay 4.	23	
Willington— Rosehill ... }	1999	2280	90	39·5	36	15·7	188·8	4·3	8·3	2													8	2	6	1	Apoplexy 2; Meningitis 2; Parturition 1; Prematurity 4; Peritonitis 2; Kidney 3; Hæmophilia 1; Myelitis 1; Suppurative Diseases 1.	17	
Totals ...	11304	13580	467	34·3	190	13·9	149·8	1·8	6·5	3	1							1	1			2	19	15	24	7	4		113

CATALOGUE OF BOOKS

No.	Title	Author	Edition	Price	Remarks
1	...	...	...	...	...
2	...	...	...	...	...
3	...	...	...	...	...
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99	...	...	...	...	...
100	...	...	...	...	...



## Deaths.

For the whole district the number of deaths registered was 190, giving a mortality rate of 13·9 per 1,000 per annum on estimated population. This compares favourably with the previous year in which the number of deaths was 202 and death rate 15·2.

## Infant Mortality.

The Infant Mortality was not much affected by Summer Diarrhoea, nor was it so much increased by death from common infectious diseases such as Scarlet Fever, Measles and Whooping Cough, as during 1904. The death rate is swelled as usual by a large number of deaths from Premature Birth. From this cause were 25 deaths, being more than a third of total, i.e. 70 from all causes which occurred under one year.

Of the 70 deaths which occurred under 1 year.

- 31 were under one month.
- 19 were from one to six months.
- 20 were from one to twelve months.

89 is the total number of deaths under 5 years, which gives a mortality rate of 6·5 per 1,000 at this age period, compared with 1904 which was 8·1 on estimated population.

## Divisions of Sanitary District with Death Rates

General Zymotic, Phthisis, Respiratory, and Infant, belonging to each locality.

Localities	Population Estimated to middle of 1905.	No. of Births.	No. of Deaths.	Death Rates.	Zymotic Death Rate.	Phthisis Death Rate.	Infant Mortality per 1000 Births.	Respiratory Death rate.
Longbenton ... ..	9000	303	116	12·7	1·33	1·1	145·2	1·1
Burradon and Camperdown...	2300	74	38	16·5	1·3	1·3	121·6	3·4
Willington—Rosehill ...	2280	96	36	15·7	4·3	·8	188·8	2·6
<b>WHOLE DISTRICT ...</b>	<b>13580</b>	<b>467</b>	<b>190</b>	<b>13·9</b>	<b>1·8</b>	<b>1·1</b>	<b>149·8</b>	<b>1·6</b>

The Deaths reported during 1905 arose from the causes and at places indicated by the subjoined Table:—

<b>D</b>	Longbenton.	Burradon and Camperdown.	Willington—Rosehill.	Whole District.
Bronchitis, ...	0	0	0	0
Pneumonia ...	10	8	6	24
Pleurisy ...	0	0	0	0
Phthisis ...	10	3	2	15
Cardiac Disease ...	6	1	0	7
Diarrhœa ...	9	2	8	19
Enteric Fever ...	0	0	0	0
Continued Fever ...	0	0	0	0
Puerperal Fever ...	1	0	0	1
Scarlet Fever ...	1	0	0	1
Rheumatic Fever ...	0	0	0	0
Diphtheria ...	0	0	0	0
Membranous Croup...	0	0	0	0
Measles ...	0	0	0	0
Erysipelas ...	1	0	0	1
Whooping Cough ...	2	0	0	2
Smallpox ...	0	1	2	3
Injuries ...	3	0	1	4
Other Causes ...	73	23	17	113
Totals ...	116	38	36	190

Divisions of Sanitary District with estimated population and General, Zymotic, Phthisis, Respiratory and Infant Death rate belonging to each locality are shown on Table C.

Tables B. C. and D. show population census estimated to middle of 1905, with Birth and Death rates, also Causes of Mortality and numbers in the different localities.

### Zymotic Death Rate.

The diseases included in this rate are as follows:—

Epidemic Diarrhœa 19; Enteric Fever 0; Scarlet Fever 1; Diphtheria 0; Measles 0; Whooping Cough 2; Small-Pox 3; Total 25 deaths.

The Zymotic Death rate is therefore 1·8 per 1,000 for whole district, compared with 2·4 last year.

### Phthisis Death Rate.

The total number of deaths from Phthisis is 15, which gives a death rate of 1·1 and is almost same as in 1904.



### Respiratory Death Rate.

Total number of deaths from Bronchitis, Pneumonia and Pleurisy, is 24, and Mortality rate is 1·7, compared with 1904 when total was 30, and Death rate 2·2.

### NOTIFIABLE INFECTIOUS DISEASES.

The Notifiable Infectious Diseases prevalent in the district during the year were Scarlet Fever, Enteric Fever, Membranous Croup, Diphtheria, Erysipelas, Continued Fever, Puerperal Fever, Smallpox, and Chicken-pox.

**Scarlet Fever.** Scarlet Fever was frequently prevalent over the district especially in Longbenton locality, but had almost subsided towards end of year.

There were 96 cases compared with 79 in 1904.

The distribution of cases as to localities and months was as follows:—

**LONG BENTON** Total 69.—8 cases in January, 6 in February, 1 in March, 4 in April, 0 in May, 4 in June, 4 in July, 2 in August, 16 in September, 12 in October, 11 in November, 1 in December.

**BURRADON & CAMPERDOWN.** Total 16.—2 in January, 4 in February, 3 in March, 4 in April, 2 in May, 0 in June, 0 in July, 0 in August, 1 in September, 0 in October, 0 in November, 0 in December.

**ROSEHILL.** Total 11—3 in January, 1 in February, 0 in March, 1 in April, 0 in May, 0 in June, 0 in July, 0 in August, 0 in September, 0 in October, 5 in November, 1 in December.

One death occurred in Long Benton district.

Infectious cases are notified to Schoolmasters, and Inspector attends to distribution of Disinfectants and disinfecting of rooms after convalescence.

**Membranous Croup.** One case in Long Benton locality which recovered.

**Diphtheria.** There were 5 cases and all in Long Benton locality.

3 Cases occurred in one house at Forest Hall, where it was discovered that the drains were defective from bad construction after only a few years use.



**Enteric  
Fever.** No epidemic but sporadic cases have occurred in Long Benton district.

4 Cases occurred in one solitary house near Killingworth to which the water supply was by an open well.

Another case living in Killingworth was a constant visitor at the house. These cases were treated at Earsdon Hospital and all recovered.

The other 5 cases occurred in different parts of same district—The probable cause of infection in these cases could not be discovered.

**Erysipelas.** 19 Cases.—10 in Long Benton and 9 in Burradon.

One death occurred, an infant under 1 month.

**Puerperal  
Fever.** One case which was fatal.

**Continued  
Fever.** One case.

**Smallpox.** 4 Cases :—2 occurred at Burradon in January. These were infected at Walker Gate. One case died in Hospital.

2 Cases were reported from Rosehill, both under 5 years. Both died in Hospital, one having been admitted in February and one in March.

The epidemic of Smallpox now seems to have abated on the Tyneside and Newcastle.

**Chicken-pox.** Total Cases 144.—During first half of year Chicken-pox was epidemic in all parts of district except Rosehill. In the latter half of the year only 7 cases were notified.

Long Benton 94 cases, Burradon and Camperdown 47 cases, Rosehill 3 cases.

### **INFECTIOUS DISEASES—Not Notifiable.**

**Whooping  
Cough.** There have been a few cases and 2 deaths—there were 16 deaths in 1904.

TABLE E.  
 INFECTIOUS DISEASES NOTIFIED IN No. 2 DISTRICT DURING THE YEAR 1905,  
 Showing Localities, Numbers and Months in which received.

INFECTIOUS DISEASES.	JAN.		FEB.		MAR.		APRIL		MAY		JUNE		JULY		AUG.		SEPT.		OCT.		NOV.		DEC.		TOTALS.					
	Longbenton. Burradon.	Willington.	Longbenton. Burradon.	Willington.	Longbenton. Burradon.	Willington.	Longbenton. Burradon.	Willington.	Longbenton. Burradon.	Willington.	Longbenton. Burradon.	Willington.	Longbenton. Burradon.	Willington.	Longbenton. Burradon.	Willington.	Longbenton. Burradon.	Willington.	Longbenton. Burradon.	Willington.	Longbenton. Burradon.	Willington.	Longbenton. Burradon.	Willington.						
Scarlet Fever ...	8	2	3	6	4	1	1	3	4	4	1	2	4	4	2	16	1	12	11	5	1	1	1	96						
Diphtheria ...			1						3		1													5						
Enteric Fever ...						1			1		1			1		1		4		1				10						
Continued Fever ...																		1						1						
Relapsing Fever ...																								...						
Puerperal Fever ...			1																					1						
Membranous Croup																		1						1						
Erysipelas ...	2				2	1	1	2	1	1		1	1	1				1	2	1			2	19						
Smallpox ...		2		1		1																		4						
Chicken Pox ...	5	10	21	10	29	17	13	9	18	1	4						2	1	1	2		1		144						
TOTALS ...	15	14	32	29	14	23	32	21	11	18	15	12	3	4	10	1	5	4	17	1	2	20	2	1	15	5	2	2	1	281





- Measles.** Very few cases and no deaths—6 deaths occurred from Measles in 1904.
- Influenza.** Not been epidemic, although 2 deaths in Long Benton, and 2 in Burradon have been attributed to it.
- Diarrhœa.** The Infant Mortality at ages from 1 week to 1 year from Diarrhœal Diseases is 13.

Total from Diarrhœa at all ages is 19, compared with 20 last year in which the Infant Mortality from this cause was considered moderate.

### Hospitals.

Very few cases of Small-pox have occurred in the Tyneside districts, and the New Small-pox Hospital at Scaffold Hill has been empty for the last three quarters of the year.

The General Infectious Diseases Hospital at Earsdon has been very useful for cases of Scarlet Fever and Enteric Fever.

### Scavenging.

The larger part of Long Benton and whole of Burradon and Camperdown are now worked by the Council, under the supervision of the Sanitary Inspector. That this experiment by the Council of doing its own Scavenging has proved a success is quite evident in the important point of efficiency. It is also certain that it will prove a success on the point of economy when the Inspector's Report is presented to the Council.

### Cowsheds and Dairies.

All Cowsheds and Dairies have been visited with the Inspector. Several new Cowsheds were measured and registered. In 6 cases nuisances, viz. : want of cleanliness and lime washing were abated.

### Scavenging (continued).

Under this head may be mentioned that a large amount of good work has been done under the direction of the Sanitary Inspector under the sub-divisions of choked and defective drains, privies and ashpits abolished, provided and repaired, earth closets provided, nuisances abated in respect of over-crowding, defective water supply, etc.

During the year 730 yards of defective drains have been re-laid, disconnecting traps 16, gullies 62, Inspection Chambers 17.

### **Improvements.**

There has been less demand for houses and fewer built except at West Allotment.

Progress has been made in paving streets and footpaths in Forest Hall, West Allotment and Burradon.

18 more "Back to Back" houses at Lane Row, Camperdown, have been converted into Double Houses.

A few Residential Houses have been built at Low Gosforth.

New Streets have been finished at West Allotment.

At Rosehill some new Street Works are in progress.

The Main Sewer has been extended from Palmersville to Benton Square Schools.

### **Sewer Lamp.**

Owing to many complaints about bad smells arising from surface grids on road between Forest Hall and Benton Stations, the Council thought it necessary to erect a Webb Sewer Gas Extractor at a convenient spot nearly midway between the two Stations. The erection of this lamp made it possible to close all surface grids in the neighbourhood, and the nuisance has been abated.

### **Requirements.**

*a.* New Street Roads for Ivy Street, East Forest Hall Road, to Waggoners' Row and Leybourn Road, Forest Hall.

*b.* New Street Works for West End of Rows at West Allotment, in front of Aged Miners' Home. I understand that this latter work is to be done by the Owners of the Backworth Colliery.

*c.* A Flushing Chamber is required for 5th, 6th and 7th Rows at West Allotment, the gradient to main sewer being so small.



- d.* Sewerage Scheme for Little Benton and Bigges Main, etc.
- e.* Water Supply for Haslam's Cottages, Forest Hall.
- f.* A Large Number of "Back to Back" Houses at Benton and Gosforth Rows and Camperdown, to be converted to Double Houses.
- g.* Two Small-pox Contact Wards for Scaffold Hill.
- h.* Steam Disinfector for Hospitals.—This would save expense and friction in regard to Compensation for destruction of clothes, bedding, etc.

### **Willington Gut and Wallsend Burn.**

The pollution of Willington Gut by sewage from Rosehill has now been abated, by arrangement with Willington Urban Council having allowed Tynemouth Rural District Council to join Rosehill Sewer to the Main Sewer of Willington-on-Tyne.

But the pollution of Wallsend Burn by Sewage from Bigges Main, Little Benton Benton Place, Benton Park and Benton Park Farm, Benton Hall, etc., is still going on. The County Council is still pressing for its abatement. The Tynemouth Rural District Council propose to deal with the sewage by conveying it through a main sewer to the Tyne rather than by the less satisfactory methods of Septic Tanks or Sewage Farm.

Negotiations for this desirable scheme with the neighbouring Urban Council of Walker were delayed, and ultimately failed, owing to the inclusion of Walker within the boundaries of Newcastle-on-Tyne. I am informed that fresh negotiations are being pushed forward between the Tynemouth Rural District Council and the Corporation of Newcastle-on-Tyne with a view of the latter admitting the sewage into one of their main sewers in the Walker district.

The District Council's Surveyor is hopeful that the scheme will shortly be brought to a successful issue.

### **Factory and Workshops Act, 1901.**

This being a mining district there are few workshops and Factories in proportion to population.



There have been 4 Inspections of Factories, including Factory Laundries, and 23 Inspections of Workshops, and only one defect was noted and the nuisance abated.

On the Register there are 23 Workshops and 4 Factories within the meaning of the Act.

There is no Bakehouse.

I am, Gentlemen,

Your obedient Servant,

R. BUTTERCASE.

Forest Hall, March 1st, 1906.

TABLE I.

Name of District : TYNEMOUTH RURAL—No. 2 DIVISION.

## Vital Statistics of whole District during 1905 and Previous Years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.			
		Number.	Rate.*	Under 1 Year of Age.		At all Ages.					Number.	Rate.*	Number.	Rate.*
				Number.	Rate per 1000 Births registered.	Number.	Rate.*							
1	2	3	4	5	6	7	8	9	10	11	12	13		
1895														
1896														
1897	10654	343	32.1	58	169	165	15.4							
1898	10885	325	29.8	61	187	163	14.9							
1899	12490	379	30.3	80	211	181	14.4							
1900	10360	351	33.8	66	188	190	18.3							
1901	11424	426	37.2	114	267.8	239	20.9							
1902	12210	417	34.1	55	131.8	186	15.23							
1903	12700	464	36.5	70	150.8	208	16.3							
1904	13280	410	30.8	75	182.9	202	15.2	3	3		202	15.2		
Averages for years 1895-1904.														
1905.	13580	467	34.3	70	149.8	190	13.9	1	1	4	194	14.2		

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

NOTE.—The deaths to be included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public Institutions" to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses and lunatic asylums. A list of the Institutions in respect of the deaths in which corrections have been made should be given on the back of this Table.

Area of District in acres (exclusive of area covered by water)..... } 7240.

Total population at all ages..... 11304

Number of inhabited houses..... 2072

Average number of persons per house..... 5.4

At  
Census  
of 1901.

Section	Range	Township	Area	Remarks
1	11	12	3600	
2	11	12	3600	
3	11	12	3600	
4	11	12	3600	
5	11	12	3600	
6	11	12	3600	
7	11	12	3600	
8	11	12	3600	
9	11	12	3600	
10	11	12	3600	
11	11	12	3600	
12	11	12	3600	
13	11	12	3600	
14	11	12	3600	
15	11	12	3600	
16	11	12	3600	
17	11	12	3600	
18	11	12	3600	
19	11	12	3600	
20	11	12	3600	

This is a true and correct copy of the original as shown to me by the Surveyor of the Land Office, at Cheyenne, Wyoming Territory, on this 1st day of July, 1874.

Wm. H. ...

Surveyor of the Land Office



TABLE II.

Name of District : TYNEMOUTH RURAL No. 2 or SOUTHERN DISTRICT.

## Vital Statistics of separate Localities in 1905 and previous years.

NAMES OF LOCALITIES.	1. WHOLE DISTRICT.				2. LONGBENTON.				3. BURRADON AND CAMPERDOWN.				4. WILLINGTON AND ROSEHILL.				5. ————				6. ————				7. ————			
	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.
1895																												
1896																												
1897	10654	343	165	58	7069	259	126	49	1416	34	14	2	2169	50	25	7												
1898	10885	325	163	61	7169	231	123	46	1526	36	18	5	2190	58	22	10												
1899	12490	379	181	80	8284	279	147	64	1776	31	13	6	2430	69	21	10												
1900	10362	351	190	66	7148				1215				1999															
1901	11424	426	239	114	7230	260	145	63	2163	83	53	20	2031	83	41	22												
1902	12210	417	186	55	7856	260	122	31	2163	83	36	19	2199	74	28	5												
1903	12700	464	208	70	8246	301	142	42	2215	66	34	14	2239	97	32	14												
1904	13280	410	202	75	8760	248	146	60	2270	71	27	8	2250	91	29	7												
Averages of Years 1895 to 1904.																												
1905	13580	467	190	70	9000	303	116	44	2300	74	38	9	2280	90	36	17												

With regard to Averages see Note in Table I.

- NOTES—(a) The separate localities adopted for this table should be areas of which the populations are obtainable from the census returns, such as wards, parishes, or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district : and blocks 2, 3, &c., for the several localities. In small districts without recognised divisions of known population this Table need not be filled up.
- (b) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns *c* of this table, and those of non-residents registered in public institutions in the district excluded. (See note on Table I. as to meaning of terms "resident" and "non-resident.")
- (c) Deaths of residents occurring in public institutions, whether within or without the district, are to be allotted to the respective localities according to the addresses of the deceased.
- (d) Care should be taken that the gross totals of the several columns in this Table respectively equal the corresponding totals for the whole districts in Tables I. and IV. : thus, the totals of sub-columns *a*, *b*, and *c* should agree with the figures for the year in the columns 2, 3, and 12 respectively, of Table I. ; the gross total of the sub-columns *c* should agree with the total of column 2 in Table IV., and the gross total of sub-columns *d* with the total of column 3 in Table IV.

Year 1907  
 Final Station of separate Locations in 1907 and previous

Station	Year	Latitude	Longitude	Remarks
1	1907	34° 15' N	118° 15' W	
2	1907	34° 15' N	118° 15' W	
3	1907	34° 15' N	118° 15' W	
4	1907	34° 15' N	118° 15' W	
5	1907	34° 15' N	118° 15' W	
6	1907	34° 15' N	118° 15' W	
7	1907	34° 15' N	118° 15' W	
8	1907	34° 15' N	118° 15' W	
9	1907	34° 15' N	118° 15' W	
10	1907	34° 15' N	118° 15' W	
11	1907	34° 15' N	118° 15' W	
12	1907	34° 15' N	118° 15' W	
13	1907	34° 15' N	118° 15' W	
14	1907	34° 15' N	118° 15' W	
15	1907	34° 15' N	118° 15' W	
16	1907	34° 15' N	118° 15' W	
17	1907	34° 15' N	118° 15' W	
18	1907	34° 15' N	118° 15' W	
19	1907	34° 15' N	118° 15' W	
20	1907	34° 15' N	118° 15' W	
21	1907	34° 15' N	118° 15' W	
22	1907	34° 15' N	118° 15' W	
23	1907	34° 15' N	118° 15' W	
24	1907	34° 15' N	118° 15' W	
25	1907	34° 15' N	118° 15' W	
26	1907	34° 15' N	118° 15' W	
27	1907	34° 15' N	118° 15' W	
28	1907	34° 15' N	118° 15' W	
29	1907	34° 15' N	118° 15' W	
30	1907	34° 15' N	118° 15' W	

The following table shows the final station of separate locations in 1907 and previous years. The latitude and longitude are given in degrees and minutes. The remarks column contains any special notes regarding the stations.



TABLE III.

Name of District: TYNEMOUTH RURAL—No. 2 DIVISION.

Cases of Infectious Disease notified during the Year 1905.

Notifiable Disease.	Cases Notified in Whole District.						Total Cases Notified in each Locality.			No. of Cases removed to Hospital from each locality.		
	At all Ages.	At Ages †—Years.					1 Longbenton.	2 Burrádon and Camperdown.	3 Willington and Rosehill.	1 Longbenton.	2 Burrádon and Camperdown.	3 Willington and Rosehill.
		Under 1	1 to 5.	5 to 15.	15 to 25.	25 to 65.						
Small-pox ... ..	4	1	1			2		2		2		2
Cholera ... ..												
Diphtheria ... ..	5		1	4			5					
Membranous Croup... ..	1		1				1					
Erysipelas ... ..	19	1	1	2		15	10	9				
Scarlet Fever ... ..	96	2	36	52	4	2	69	16	11			
Typhus Fever ... ..												
Enteric Fever ... ..	10		2	2	1	5	10			7		
Relapsing Fever ... ..												
Continued Fever ... ..	1				1		1					
Puerperal Fever ... ..	1					1	1					
Plague ... ..												
* Chicken-pox ... ..	144	19	76	49			94	47	3			
Totals ... ..	281	23	118	109	6	25	191	74	16	7	2	2

NOTES.—The localities adopted for this Table should be the same as those in Tables II. and IV.

State in space below the name of the isolation hospital, if any, to which residents in the district, suffering from infectious disease, are usually sent. Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district. Mark (W) the locality in which a workhouse is situated.

\* This space may be used for record of other disease the notification (compulsory or voluntary) of which is in force in the district.

† These age columns for notifications should be filled up in all cases where the Medical Officer of Health, by inquiry or otherwise, has obtained the necessary information.

Joint Isolation Hospitals.—Earsdon Grange. General Infectious Diseases.—Scaffold Hill, Longbenton for Small-pox.

TABLE III

CLASS OF INDEBTED PERSONS NOTIFIED UNDER THE YEAR 1900

CLASS OF INDEBTED PERSONS	NUMBER OF PERSONS		PERCENTAGE OF TOTAL
	MALE	FEMALE	
1. Debtors	100	100	100
2. Creditors	100	100	100
3. Debtors and Creditors	100	100	100
4. Debtors and Creditors	100	100	100
5. Debtors and Creditors	100	100	100
6. Debtors and Creditors	100	100	100
7. Debtors and Creditors	100	100	100
8. Debtors and Creditors	100	100	100
9. Debtors and Creditors	100	100	100
10. Debtors and Creditors	100	100	100
11. Debtors and Creditors	100	100	100
12. Debtors and Creditors	100	100	100
13. Debtors and Creditors	100	100	100
14. Debtors and Creditors	100	100	100
15. Debtors and Creditors	100	100	100
16. Debtors and Creditors	100	100	100
17. Debtors and Creditors	100	100	100
18. Debtors and Creditors	100	100	100
19. Debtors and Creditors	100	100	100
20. Debtors and Creditors	100	100	100
21. Debtors and Creditors	100	100	100
22. Debtors and Creditors	100	100	100
23. Debtors and Creditors	100	100	100
24. Debtors and Creditors	100	100	100
25. Debtors and Creditors	100	100	100
26. Debtors and Creditors	100	100	100
27. Debtors and Creditors	100	100	100
28. Debtors and Creditors	100	100	100
29. Debtors and Creditors	100	100	100
30. Debtors and Creditors	100	100	100
31. Debtors and Creditors	100	100	100
32. Debtors and Creditors	100	100	100
33. Debtors and Creditors	100	100	100
34. Debtors and Creditors	100	100	100
35. Debtors and Creditors	100	100	100
36. Debtors and Creditors	100	100	100
37. Debtors and Creditors	100	100	100
38. Debtors and Creditors	100	100	100
39. Debtors and Creditors	100	100	100
40. Debtors and Creditors	100	100	100
41. Debtors and Creditors	100	100	100
42. Debtors and Creditors	100	100	100
43. Debtors and Creditors	100	100	100
44. Debtors and Creditors	100	100	100
45. Debtors and Creditors	100	100	100
46. Debtors and Creditors	100	100	100
47. Debtors and Creditors	100	100	100
48. Debtors and Creditors	100	100	100
49. Debtors and Creditors	100	100	100
50. Debtors and Creditors	100	100	100

The following table shows the number of persons notified under the Act of 1900, classified according to the nature of their indebtedness, and the percentage of the total number of persons notified in each class.

The total number of persons notified under the Act of 1900 was 100. The number of persons notified in each class is shown in the following table:

CLASS OF INDEBTED PERSONS	NUMBER OF PERSONS	PERCENTAGE OF TOTAL
1. Debtors	100	100
2. Creditors	100	100
3. Debtors and Creditors	100	100
4. Debtors and Creditors	100	100
5. Debtors and Creditors	100	100
6. Debtors and Creditors	100	100
7. Debtors and Creditors	100	100
8. Debtors and Creditors	100	100
9. Debtors and Creditors	100	100
10. Debtors and Creditors	100	100
11. Debtors and Creditors	100	100
12. Debtors and Creditors	100	100
13. Debtors and Creditors	100	100
14. Debtors and Creditors	100	100
15. Debtors and Creditors	100	100
16. Debtors and Creditors	100	100
17. Debtors and Creditors	100	100
18. Debtors and Creditors	100	100
19. Debtors and Creditors	100	100
20. Debtors and Creditors	100	100
21. Debtors and Creditors	100	100
22. Debtors and Creditors	100	100
23. Debtors and Creditors	100	100
24. Debtors and Creditors	100	100
25. Debtors and Creditors	100	100
26. Debtors and Creditors	100	100
27. Debtors and Creditors	100	100
28. Debtors and Creditors	100	100
29. Debtors and Creditors	100	100
30. Debtors and Creditors	100	100
31. Debtors and Creditors	100	100
32. Debtors and Creditors	100	100
33. Debtors and Creditors	100	100
34. Debtors and Creditors	100	100
35. Debtors and Creditors	100	100
36. Debtors and Creditors	100	100
37. Debtors and Creditors	100	100
38. Debtors and Creditors	100	100
39. Debtors and Creditors	100	100
40. Debtors and Creditors	100	100
41. Debtors and Creditors	100	100
42. Debtors and Creditors	100	100
43. Debtors and Creditors	100	100
44. Debtors and Creditors	100	100
45. Debtors and Creditors	100	100
46. Debtors and Creditors	100	100
47. Debtors and Creditors	100	100
48. Debtors and Creditors	100	100
49. Debtors and Creditors	100	100
50. Debtors and Creditors	100	100



TABLE IV.

Name of District: TYNEMOUTH RURAL, No. 2, OR SOUTHERN DIVISION.

Causes of, and Ages at, Death during Year 1905.

CAUSES OF DEATH. 1	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN OR BELONGING TO LOCALITIES (AT ALL AGES).						Total Deaths in Public Institutions in the District. 16	
	All ages. 2	Under 1. year. 3	1 and under 5. 4	5 and under 15. 5	15 and under 25. 6	25 and under 65. 7	65 and up-wards. 8	Long-benton. 9	Burradon and Camperdown. 10	Willing-ton and Rosehill. 11	12	13	14		15
Small-pox ... ..	3	1				2			1	2					3
Measles... ..															
Scarlet fever ... ..	1		1					1							
Whooping Cough ... ..	2	2						2							
Diphtheria and membranous croup ... ..															
Croup ... ..															
Fever { Typhus ... .. Enteric ... .. Other continued ... ..															
Epidemic Influenza ... ..	4				1		3	2	2						
Cholera... ..															
Plague ... ..															
Diarrhoea (See notes at back)	19	15	3			1		9	2	8					
Enteritis (See notes at back)															
Puerperal fever ... ..	1					1		1							
Erysipelas ... ..	1	1						1							
Other septic diseases... ..	1					1				1					
Phthisis ... ..	15		1	2	7	5		10	3	2					
Other Tubercular diseases ... ..	2			1		1		2							
Tubercular Peritonitis ... ..															
Cancer, malignant disease ... ..	8					5	3	6	2						
Bronchitis ... ..	14	5	1			3	5	7	2	5					
Pneumonia ... ..	8		1		1	5	1	3	4	1					
Pleurisy ... ..	2					1	1			2					
Other diseases of Respiratory organs ... ..															
Alcoholism } Cirrhosis of liver }	3					2	1	3							
Venereal diseases ... ..															
Premature birth ... ..	25	25						15	6	4					
Diseases and accidents of parturition... ..	3				1	2		2		1					
Heart diseases ... ..	7	1				4	2	6		1					
Accidents ... ..	4		2	1	1			3		1					
Suicides ... ..															
Senile Decay ... ..															
Apoplexy ... ..															
Debility from Birth... ..															
Convulsions ... ..															
Acute Rheumatism ... ..															
Diabetes Mellitus ... ..															
All other causes ... ..	67	20	10	1	3	12	21	43	16	8					
All causes ... ..	190	70	19	5	14	45	37	116	38	36					3

See Notes at back.

NOTES.—(a) In this Table all deaths of "Residents" occurring in public institutions, whether within or without the district, are to be included with the other deaths in the columns for the several age groups (columns 2-8). They are also, in columns 9-15, to be included among the deaths in their respective "Localities" according to the previous addresses of the deceased as given by the Registrars. Deaths of "Non-Residents" occurring in public institutions in the district are in like manner to be excluded from columns 2-8 and 9-15 of this Table.

(b) See notes on Table I, as to the meaning of "Residents" and "Non-Residents," and as to the "Public Institutions" to be taken into account for the purposes of these Tables. The "Localities" should be the same as those in Tables II. and III.

(c) All deaths occurring in public institutions situated within the district, whether of "Residents" or of "Non-Residents," are, in addition to being dealt with as in note (a), to be entered in the last column of this Table. The total number in this column should equal the figures for the year in column 9, Table I.

(d) The total deaths in the several "Localities" in columns 9-15 of this Table should equal those for the year in the same localities in Table II., sub-column c. The total deaths at all ages in column 2 of this Table should equal the gross total of columns 9-15, and the figures for the year in column 12 of Table I.

(e) Under the heading of "Diarrhoea" are to be included deaths certified as from diarrhoea, alone or in combination with some other cause of ill-defined nature; and also deaths certified as from

Epidemic enteritis;  
Zymotic enteritis;  
Epidemic diarrhoea. Summer diarrhoea;  
Dysentery and dysenteric diarrhoea;  
Choleraic diarrhoea, cholera, cholera nostras  
(in the absence of Asiatic cholera).

Under the heading of "Enteritis" are to be included those certified as from Gastro-enteritis, Muco-enteritis, and Gastric catarrh, unless from information obtained by enquiry from the certifying practitioner or otherwise, the Medical Officer of Health should have reason for including such deaths, especially those of infants, under the specific term "Diarrhoea."

Deaths from diarrhoea secondary to some other well-defined disease should be included under the latter.

Under the heading of "Cancer" and "Puerperal Fever" should be included all registered deaths from causes comprised within these general terms.

In recording the facts under the various headings of Tables I., II., III. and IV., attention has been given to the notes on the Tables.

R. BUTTERCASE, Medical Officer of Health.

Date—March 1st, 1906.



TABLE V.

Name of District: TYNEMOUTH RURAL No. 2 DISTRICT.

Infantile Mortality during the Year 1905. Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		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	Total Deaths under One Year.
All Causes	{ Certified ... ..	28	2		1	31	5	4	4	4	2	2	2	3	3	4	6	70 Nil.
	{ Uncertified ... ..																	
Common Infectious Diseases	{ Small-pox ... ..							1										1
	{ Chicken-pox ... ..																	
	{ Measles ... ..																	
	{ Scarlet Fever ... ..																	
	{ Diphtheria: Croup ... ..																	
	{ Whooping Cough ... ..									1							1	2
Diarrhoeal Diseases.	{ Diarrhoea, all forms ... ..							2	1								1	4
	{ Enteritis [not Tuberculous] }	1	1		1	3		1	1		1		1	1	3	1	1	13
	{ Gastritis, Gastro-intestinal Catarrh }																	
	{ Premature Birth ... ..	25				25												25
	{ Congenial Defects ... ..	1				1				1	1							3
Wasting Diseases.	{ Injury at Birth... ..																	
	{ Want of Breast-milk ... ..																	
	{ Atrophy, Debility, Marasmus }	1				1	1	1		1							2	6
Tuberculous Diseases	{ Tuberculous Meningitis }						1			1								2
	{ Tuberculous Peritonitis: Tabes Mesenterica }																	
	{ Other Tuberculous Diseases }																	
	{ Erysipelas ... ..						1											1
	{ Syphilis ... ..																	
	{ Rickets ... ..																	
	{ Meningitis [not Tuberculous] }															1	1	2
	{ Convulsions ... ..						1					1	1		1			4
	{ Bronchitis ... ..								1				1				1	3
	{ Laryngitis ... ..																	
	{ Pneumonia ... ..							1										1
	{ Suffocation, overlaying }												1					3
	{ Other Causes ... ..		1			1	1						1					3
		28	2	0	1	31	5	4	4	4	2	2	2	3	3	4	6	70

District (or sub-division) of Tynemouth Rural District Council, No. 2 District.

Population, estimated to middle of 1905—13,580.

Births in the year { Legitimate, 455.  
Illegitimate, 12.

Deaths from all Causes at all Ages, 190.

