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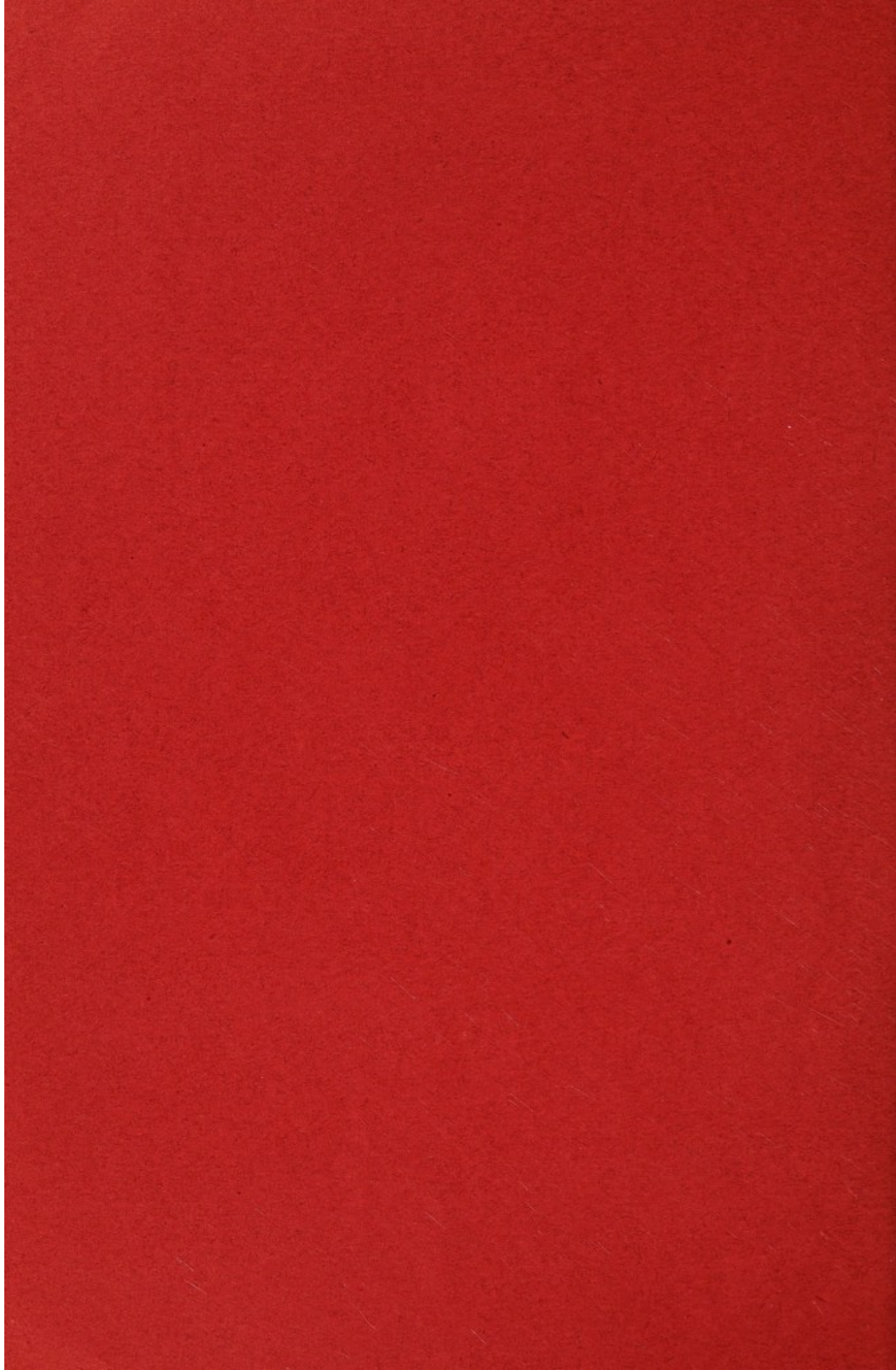
REPORT

OF

THE MEDICAL OFFICER OF HEALTH

FOR

1914.



Egham Urban Sanitary District.

REPORT

TO THE URBAN DISTRICT COUNCIL OF
EGHAM, SURREY,

FOR

THE YEAR ENDING DECEMBER 31st, 1914,

BY

G. TREW CATTELL, M.D., D.P.H.,
MEDICAL OFFICER OF HEALTH.

LONDON :

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TO THE
EGHAM URBAN DISTRICT COUNCIL.

GENTLEMEN,

In presenting to you the Report for the year 1914, I must first thank you for the leave of absence you have given me to enable me to serve the country during the present war. I also wish to thank Dr. Drew, who has kindly acted as Deputy M.O.H. during my absence, and Mr. W. Simpson, the Sanitary Inspector, who has done all he possibly can to make things run smoothly. I have only been able to obtain four days leave from my post to enable me to compile this report, so I must ask the indulgence of the Council for any slight inaccuracy there may be.

I am, gentlemen,

Your obedient servant,

G. T. CATTELL, T.D.,
COLONEL,

Medical Officer of Health.

Egham Urban Sanitary District.

STATISTICAL DETAILS OF CENSUS, 1911.

Area of District **7,786 acres**

Land, 7,621 acres.

Inland Water, 165 acres.

Population **12,551**

Nett Population after deducting inmates of Institutions, 11,686.

Occupied Houses **2,782**

Giving a density of occupation of 4.5 per house and about five per acre.

Geological Character.—East of the South - Western Railway the district is on the river drift gravels, to the west of this line it is mainly on the Bagshot formation except between Englefield Green and Virginia Water, where the London clay prevails.

Population.—In the last ten year census period 1901-1911 there was an average increase of the population of 65.6 persons per annum. In the year 1914, the total number of deaths registered in the district of Egham was 142, of these 23 were persons temporarily living in the district, but actually residents of other places. These mostly occurred at the Holloway Sanatorium. This number has to be deducted and the deaths of 20 persons belonging to Egham, who died while staying away from home, added. Thus making the nett deaths for the year 1914, 139.

Sewerage and Scavenging.—Dry scavenging is carried out by the Authority. In cases where difficulty arises in the emptying of pail closets this has also been undertaken by the Council. No part of the district is sewered. The approximate number of the various forms of closet is as under :—

Privies	...	...	...	...	30
Earth Closets	...	...	...	...	40
Cistern Flushed Water Closets	...				1,240
Hand Flushed	„	„	...		1,445

Water Supply.—The South-West Suburban Water Company supply the greater part of the district. The analytical results of the examination of this water vary very much in quality from time to time. The outlying portions of the district rely almost entirely on wells. Fourteen samples were submitted to analysis, four of which were condemned, and other supplies substituted.

Food—Fourteen samples of milk were submitted to analysis, one of which was found to be adulterated. Ten samples of butter were also analysed, of which one was found to be adulterated.

Isolation Hospital.—A great deal of useful work has been carried out at this institution during the year. The building is well maintained and the staff carry out their duties in a zealous and efficient manner. During the year 12 cases of diphtheria and 14 cases of scarlet fever have been treated in the hospital.

Notifiable Infectious Disease.—The number of cases of infectious disease is less than in the preceeding year. The subjoined table gives the figures for the year and those of 1912 and 1913—

		1912.		1913.		1914.
Scarlet Fever	... ..	25	...	14	...	14
Diphtheria	... ..	11	...	21	...	14
Erysipelas	... ..	7	...	13	...	11
Enteric Fever	... ..	—	...	2	...	3
Puerperal Fever	...	—	...	1	...	5
		<hr/>		<hr/>		<hr/>
		43		51		47

Tuberculosis.—Twenty cases of pulmonary tuberculosis were notified during the year, and eight cases of other forms of tuberculosis were also noted.

Enteric Fever.—Two cases of patients occurred at the Sanatorium and were treated there. It is not known how they occurred, but the first case was probably imported and the other contracted the disease from contact. The third case contracted the disease at Portsmouth.

Scarlet Fever.—The number of cases of this disease notified is the same as in 1913. They were distributed over the district and were mostly of a mild character. No fatal case was registered.

Non-Notifiable Infectious Diseases. — **WHOOPING COUGH.**—There was an outbreak of this disease among the children at the girls' cottage home in June, a large number being affected. These all attended Englefield Green School, where the disease was very prevalent. No death was registered.

CHICKEN POX.—A considerable number of cases occurred in the summer of the year among the school children at Englefield Green and Virginia Water.

Schools.—The Elementary Schools in the district were frequently inspected, and found invariably to be clean, well maintained and with a good supply of water.

Sanitary Work.—Mr. W. Simpson, the Sanitary Inspector, reports having visited 310 premises during the year.

Twelve complaints were received and thirty detailed inspections carried out.

Sixty-nine cases of nuisances were discovered. These related to—

House drains	...	...	...	51
Bakehouses	...	...	...	1
Overcrowding	...	...	...	3
Dilapidated houses	...	...	...	6
Foul Ditches	...	...	...	4
Foul Streams	...	...	...	4

Nuisances were abated on 51 premises, 25 formal notices were served, but in no case was it necessary to institute legal proceedings.

Thirty premises were disinfected after infectious disease.

All the premises used for the preparation of food in

tended for human consumption were regularly and frequently inspected both by the Medical Officer of Health and the Sanitary Inspector. These were generally found to be well kept, clean, and in every way satisfactory. A few minor defects were pointed out and subsequently remedied by the owner or occupier concerned. The slaughterhouses were frequently visited while work was being done. No case of tuberculosis in meat or cattle was reported. The milk supply in the district is good in quality and ample in quantity.

Cowsheds, dairies and milkshops were visited frequently during the year, and found to be well kept and clean.

Workshop and Factory Act.—The district is essentially residential in character and no industrial works are situated in Egham.

Twenty-three workshops and eight work places are on the register and were frequently inspected. In every case but one they were found to be clean, well kept and in accordance with the act.

Vital Statistics.—The number of births registered during the year was 214. Males, 120; females, 94. It will be seen that the birth rate is steadily declining. Seven illegitimate births were registered.

One hundred and forty-two deaths were registered in the district, twenty-three of whom were non-residents. Twenty persons belonging to Egham died away from home, making the nett deaths 139.

The annual rate per 1,000 living—

	Births.	Deaths.		Deaths under 1 year. per 1,000 births.
		Crude.	Standardised	
England and Wales ...	23·6	13·9	13·6	105
97 great towns (including London)	24·9	14·6	14·9	113
145 smaller towns ...	23·6	12·8	12·9	104
England and Wales (less the 242 towns) ...	21·9	13·3	12·2	93
London	24·6	14·4	14·4	103
Egham	16·9	11·2	11·0	65

From the above table it will be noticed that both the birth and death rates are far below the average for the country.

Infantile Mortality.—Fourteen deaths of infants under one year of age were registered, this being one less than last year. Although the summer was hot and dry not a single death occurred from Diarrhœa or Enteritis.

EGHAM URBAN SANITARY DISTRICT.

TABLE I.

Vital Statistics of Whole District during 1914 and Previous Years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFER-ABLE DEATHS		NETT DEATHS BELONGING TO THE DISTRICT.			
		Uncorrected Number.	Nett.		Number.	Rate.	of Non-residents registered in the District.	of Residents not registered in the District.	Under 1 Year of Age.		At all Ages.	
			Number.	Rate.					Number.	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1909	13,040	256	256	19.6	147	11.1	24	15	19	77	138	10.5
1910	13,209	276	276	20.8	121	9.1	19	10	16	57	112	8.4
1911	12,551	226	229	19.0	145	11.5	15	27	33	100	157	12.5
1912	12,660	266	269	21.0	140	11.5	19	24	21	71	145	11.4
1913	12,679	245	251	19.8	124	9.8	21	17	15	60	120	9.4
1914	12,694	214	218	17.2	142	11.2	23	22	14	64	139	11.0

TABLE II.

Cases of Infectious Disease notified during the Year 1914.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.								TOTAL CASES REMOVED TO HOSPITAL.	
	At all Ages.	At Ages—Years.								
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 & up- wards.		
Small-pox	
Cholera, Plague	
Diphtheria (including Membranous croup)	...	14	2	9	3	...	...	...	12
Erysipelas	...	11	1	1	...	2	1	6	...	
Scarlet fever	...	14	1	2	7	4	...	...	14
Typhus fever	
Enteric fever	...	3	...	...	1	1	1	...	1
Relapsing fever	
Continued fever	
Puerperal fever	...	5	...	...	3	2	...	...	3
Cerebro-spinal Meningitis	
Poliomyelitis	
Ophthalmia Neonatorum	
Pulmonary Tuberculosis	...	20	...	4	3	8	4	1	...	
Other forms of Tuberculosis	...	8	1	1	3	1	...	...	...
Totals	...	75	2	6	24	16	14	6	7	30

Isolation Hospital: Englefield Green.

EGHAM URBAN SANITARY DISTRICT.

TABLE III.

Causes of, and Ages at Death during the Year 1914.

CAUSES OF DEATH.					NETT DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING WITHIN OR WITHOUT THE DISTRICT.										TOTAL DEATHS WHETHER OF "RESIDENTS" OR "NON- RESIDENTS" IN INSITU- TIONS IN THE DISTRICT.
					All ages.	Under 1.	1 & under 2.	2 & under 5.	5 & under 15.	15 & und. 25.	25 & und. 45.	45 & und. 65.	65 & upwards.		
I	2	3	4	5	6	7	8	9	10	11					
All causes { Certified Uncertified	137 2	14 ...	4 ...	7 ...	5 ...	9 ...	23 ...	40 ...	35 2	...					
Enteric Fever ... ..	...	...	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...	...	...	...
Scarlet fever ... ..	...	...	...	...	...	...	...	...	...	...
Whooping-cough ... ..	...	...	...	...	...	...	...	...	...	...
Diphtheria and Croup ... ..	...	...	...	...	...	...	...	...	...	...
Influenza	1	...	...	...	...	...	1	...	...	...		
Erysipelas ... ..	...	...	...	...	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis)	8	...	...	...	...	2	2	4	...	...			
Tuberculous Meningitis	2	...	...	2	...	...	...	...	...	...
Other tuberculous diseases	1	...	...	...	...	...	...	1	...	...			
Cancer, malignant disease	12	...	...	...	...	...	6	6	...	1
Rheumatic fever ... ..	...	...	...	...	...	...	...	...	...	...
Meningitis	2	...	1	...	1	...	...	...	...	...
Organic Heart Disease	15	...	...	2	...	...	6	7	...	6	
Bronchitis	15	2	1	...	...	...	...	5	7	2	
Pneumonia (all forms)	8	1	1	1	...	...	1	2	2	3			
Other diseases of Respiratory organs ... ..	...	...	...	...	...	...	...	...	...	...
Diarrhoea and Enteritis	1	...	...	1	...	...	...	...	...	...
Appendicitis and Typhlitis	1	...	...	...	1	...	...	...	...	1
Cirrhosis of Liver	3	...	...	...	...	...	1	2	...	1
Alcoholism ... ..	...	...	...	...	...	...	...	...	...	...
Nephritis and Bright's Disease	5	...	1	...	...	...	...	2	2	...	
Puerperal fever	2	...	...	...	...	2	...	...	...	2
Other accidents and diseases of Pregnancy and Parturition ... ..	...	...	...	...	...	...	...	...	...	...
Congenital Debility and Malformation, in- cluding Premature Birth	4	4	...	...	...	...	...	...	...	...
Violent Deaths, excluding Suicide	8	...	...	1	3	3	1	...	...	1	
Suicides	2	...	...	...	...	1	1	...	...	...		
Other defined diseases	49	7	...	...	...	1	4	11	26	16		
Diseases ill-defined or unknown ... ..	...	...	...	...	...	...	...	...	...	...
	139	14	4	7	5	9	23	40	37	33					

EGHAM URBAN SANITARY DISTRICT.

TABLE IV.

Infantile Mortality in 1914. Nett Deaths from Stated Causes at various Ages under One Year of Age.

CAUSES OF DEATH.				Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under One Year.
ALL CAUSES	Certified	...	...	5	1	...	2	8	1	...	2	3	14
	Uncertified	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...

Chicken-pox	...	...	...	...	...	...	...	...	...	...	...	...	...

Measles	...	...	...	...	...	...	...	...	...	...	...	...	...

Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...

Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...

Diphtheria and Croup	...	...	...	...	...	...	...	...	...	...	...	...	...

Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...

Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...

Abdominal Tuberculosis	...	...	...	...	...	...	...	...	...	...	...	...	...

Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...

Meningitis (not Tuberculous)	...	...	...	...	...	...	...	...	...	...	...	...	...

Convulsions	...	...	...	...	...	...	1	1	...	...	...	...	1

Laryngitis	...	...	...	...	...	...	...	...	...	...	...	...	...

Bronchitis	...	...	...	...	...	...	...	...	...	...	1	...	1

Pneumonia (all forms)	...	...	...	...	...	...	...	...	...	...	1	1	2

Diarrhoea	...	...	...	...	...	...	...	...	...	...	...	...	...

Enteritis	...	...	...	...	...	...	...	...	...	...	...	...	...

Gastritis	...	...	...	...	...	...	...	...	1	...	...	2	3

Syphilis	...	...	...	...	...	...	...	...	...	...	...	...	...

Rickets	...	...	...	...	...	...	...	...	...	...	...	...	...

Suffocation, overlaying	...	...	...	...	...	...	...	...	...	...	...	...	...

Injury at Birth	...	...	...	...	...	...	...	...	...	...	...	...	...

Atelectasis	...	...	...	1	...	...	...	1	...	...	...	...	1

Congenital Malformations	...	...	...	...	1	...	...	1	...	...	...	...	1

Premature Birth	...	...	...	1	...	...	...	1	...	...	...	...	1

Atrophy Debility and Marasmus	...	...	...	2	...	...	...	2	...	...	...	...	2

Other Causes	...	...	...	1	...	...	1	2	...	...	...	...	2

				5	1	...	2	8	1	...	2	3	14

Nett Births in the year { legitimate ... 211
 illegitimate ... 7

Nett Deaths in the year of { legitimate infants ... 12
 illegitimate infants ... 2

