

The annual report made to the Council of the Metropolitan Borough of Greenwich for the year 1919.

Contributors

Greenwich (London, England). Metropolitan Borough.
Annis, Ernest George.

Publication/Creation

London : E. G. Berryman, 1920.

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THE
ANNUAL REPORT

MADE TO
THE COUNCIL
OF THE
Metropolitan Borough of Greenwich
For the Year 1919,

BY
ERNEST GEORGE ANNIS,

M.R.C.S., L.R.C.P., L.S.A., D.P.H.,

MEDICAL OFFICER OF HEALTH TO THE BOROUGH,

ADMINISTRATIVE MATERNITY AND CHILD

WELFARE MEDICAL OFFICER,

AND

EXECUTIVE TUBERCULOSIS OFFICER.

London :

E. G. BERRYMAN & SONS, LTD., PRINTERS,
BLACKHEATH ROAD, S.E.

1920.

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Public Health Committee during the year 1918-19.

CHARLES STONE, Esq., J.P. (*Mayor*), and 9 Members.

A. J. HUNT, Esq., *Chairman*.

H. BARON, Esq., *Vice-Chairman*.

Councillors—

H. BARON.

D. W. NOAKES.

A. J. HUNT.

DR. J. GORDON PARKER, D.Sc.

H. F. DEFRATES.

F. WHATLEY, B.A.

E. A. LOVIBOND.

E. R. WOODWARD.

C. NIXON.

Duties and Powers of the Public Health Committee.

- 1.—The Committee shall consist of nine elected members.
- 2.—There shall be referred to the Committee the execution of the Food and Drugs Act, 1875-1899 ; the Margarine Act, 1887 ; the Sale of Horse-flesh, &c., Regulation Act, 1889 ; such matters arising under the Housing of the Working Classes Act, 1890 and 1894, and the Working Classes Dwellings Act, 1890 ; the Public Health (London) Acts ; the Metropolis Management Acts relating to defective drainage ; the Canal Boat Acts ; the Factory and Workshop Acts ; the sanitary provisions of any other Act of Parliament ; the Dairies, Cowsheds, and Milkshops Order of 1885 ; the by-laws and regulations made under the above Acts, or otherwise relating to the public health and sanitary condition of the Borough, which are not within the reference to any other Committee, shall stand referred to the Committee.

- 3.—The Committee may serve and receive notices, take proceedings, and in particular cases empower any Officer of the Council to make complaints and take proceedings on their behalf under and otherwise execute, the Public Health (London) Act, 1891, and sections 82, 83, 84 and 85 of the Metropolis Management Act, 1855, relating to the inspection of any premises, drains, sinks, traps, syphons, pipes, or other works or apparatus connected therewith, and otherwise in relation to defective drainage, except as to the recovery of expenses, and the same shall not require the approval of the Council, provided that the Committee shall report their action at the next following meeting of the Council, who may at any time determine or prohibit or otherwise vary any such notices or proceedings.
- 4.—All plans for drainage and redrainage of premises shall be laid before this Committee for consideration.
- 5.—Works of drainage of houses and premises shall be carried out under the direction of this Committee.
- 6.—The Committee shall have the control of Mortuaries erected or maintained by the Council, as the Sanitary Authority, and shall have control of the disinfecting staff, apparatus, and plant.
- 7.—The construction, maintenance, and control of public sanitary conveniences, and conveniences maintained by the Council, shall be referred to this Committee.
- 8.—Provision and maintenance of Tuberculosis Dispensary.

Additional matters coming within the definition of the sanitary provisions of any other Act of Parliament :—

Notification of Births Act, 1907.

Housing and Town Planning Act, 1909.

London County Council (General Powers) Act, 1902, 1907, 1908

Rag Flock Act, 1911.

Public Health (Tuberculosis Regulations), 1912.

Public Health (Milk and Cream) Regulations, 1912.

Staff of the Public Health Department.

Sanitary Inspectors—

CHARLES TURLE WILSON.	SYDNEY A. RADFORD.
ARTHUR E. BACHE.	EBENEZER MARTIN.
CHARLES W. NETTLETON.	Miss G. DAVIS.

Public Analyst—

A. E. BROWN, B.Sc., F.I.C.

Disinfector—JAMES FORREST.

Assistant Disinfectors—

FRANK MEARS. A. CLAY.

Caretakers at Council's Shelter—

EDWARD JACKSON. MARIA JACKSON.

MUNICIPAL DISPENSARY FOR THE PREVENTION OF CONSUMPTION.

Administrative Medical Officer—

E. G. ANNIS, M.R.C.S., etc., D.P.H.

Tuberculosis Medical Officer—

†G. H. DART, M.D.

Dispenser—G. W. VICKERY.

Nurses—

L. HEASTMAN. T. I. HUSBANDS.

MATERNITY AND CHILD WELFARE WORK.

Administrative Medical Officer—E. G. ANNIS, M.R.C.S., &c.

Medical Officer—K. MCNEILL, M.B., CH.B., D.P.H.

Health Visitors—

Miss E. M. MILLINGTON. Miss A. B. REID.
Miss M. MOLLOY.

Matron, Municipal Creche—E. CHALK.

Clerks—

*W. H. PETERS.

*A. H. SAPSED.

*T. D. P. MOBSBY.

Medical Officer of Health—

†ERNEST G. ANNIS, M.R.C.S., L.R.C.P., D.P.H.

Deputy Medical Officer of Health—

G. H. DART, M.D., M.R.C.P., D.P.H.

*On Military Service.

†On Military Service part of the year.

Statistical Summary.

ELEVATION.—Varies from below high-water mark up to 249 feet above sea level.

AREA OF THE BOROUGH AND DISTRICTS—

East Greenwich ...	...	...	1451·4 acres.
West Greenwich ...	...	...	297·8 „
St. Nicholas ...	...	...	112·1 „
Charlton and Kidbrooke ...	...	...	1990·4 „
			3851·7 „
			3851·7 „

DENSITY OF POPULATION—

East Greenwich ...	...	...	34·03 persons per acre.
West Greenwich...	...	...	82·06 „
St. Nicholas ...	...	...	69·29 „
Charlton and Kidbrooke ...	...	...	10·55 „
Average for the Borough			26·64 „
			26·64 „

NUMBER OF INHABITED HOUSES—

At Census, 1901 ...	...	...	14,240
At Census, 1911 ...	...	...	14,722
Estimated, 1919 ...	...	...	16,121

NUMBER OF UNINHABITED HOUSES—

At Census, 1911...	...	...	803
Estimated, 1919 ...	...	...	179

POPULATION—

At Census, 1911...	...	...	95,968
Estimated, 1919 ...	...	...	102,591

BIRTH RATE, 1919 ... 18·30 per 1,000

DEATH RATE, 1919 ... 13·15 „

„ (Zymotic) ... ·84 „

„ (Infantile Mortality) 95 per 1,000 Births.

PUBLIC HEALTH AND HOUSING DEPARTMENT,
ROYAL HILL, GREENWICH.

June, 1920.

*To the Mayor, Aldermen and Councillors
of the Metropolitan Borough of Greenwich.*

GENTLEMEN,

I have the honour to submit herewith the Annual Report of the Medical Officer of Health for the year 1919.

The Birth Rate is 18·87 per 1,000 for Greenwich and 18·30 for the whole of the County of London.

The Mortality Statistics for the year are, I am pleased to say, of a satisfactory character, the recorded Death Rate of 13·15 per 1,000 of the estimated population being considerably less than the corresponding figure for last year, *i.e.*, 19·16 per 1,000, and just below the figure of 13·4 per 1,000, which is the Death Rate for the County of London, and 13·8 per 1,000, the figure for the ninety-six large towns, although once again I must state that, in my opinion, these Death Rates are quite fallacious, being based on estimates of population which are, in my opinion, considerably too low.

The Infantile Mortality Rate for the Borough, measured by the number of deaths under one year to 1,000 births registered, is 95, a decrease from 119, the figure for last year; the figure for all London is 89, compared with 107 in 1918, and the Borough average during the last five years, 1914-18 inclusive, is 101.

The Zymotic Death Rate of ·84 is ·86 per 1,000 below the corresponding figure for last year.

The figures relating to the different constituent parts of the Borough are as follows :—

Districts.	Birth Rate.	Death Rate.	Percentage of deaths under one year of age.	Infantile Mortality per 1,000 Births.	Zymotic Death Rate.	Diarrhœa Death Rate.	Consumption Death Rate.
East Greenwich	18·35 ..	10·58 ..	12·03 ..	71 ..	·71 ..	·25 ..	1·01
West Greenwich	19·97 ..	18·56 ..	13·23 ..	123 ..	·92 ..	·24 ..	2·25
St. Nicholas	22·01 ..	12·84 ..	26·05 ..	152 ..	1·72 ..	·64 ..	1·29
Charlton	18·15 ..	13·10 ..	11·71 ..	84 ..	·65 ..	·10 ..	1·15
Kidbrooke	6·22 ..	6·88 ..	9·52 ..	105 ..	·32 ..	·32 ..	·32
Whole Borough	18·87 ..	13·15 ..	13·63 ..	95 ..	·84 ..	·26 ..	1·35

Attack Rates of the various notifiable diseases per 1,000 living in the several districts :—

Districts.	Small-pox.	Diphtheria.	Scarlet Fever.	Erysipelas.	Typhoid Fever.	Puerperal Fever.
East Greenwich	·00 ..	1·77 ..	5·42 ..	·27 ..	·13 ..	·01
West Greenwich	·00 ..	5·03 ..	3·46 ..	·52 ..	·32 ..	·08
St. Nicholas	·00 ..	·97 ..	8·41 ..	1·07 ..	— ..	—
Charlton	·00 ..	2·68 ..	2·19 ..	·49 ..	·27 ..	·10
Kidbrooke	·00 ..	·98 ..	1·31 ..	·32 ..	— ..	—
Whole Borough	·00 ..	2·63 ..	4·61 ..	·45 ..	·19 ..	·04

In conclusion, I have to thank the Public Health Committee and Council for the kindness and consideration with which they have regarded my endeavours to carry out my duties, and I desire also to express my appreciation of the manner in which the members of the staff have performed their duties throughout the past year.

I am, Gentlemen,

Yours respectfully,

E. G. ANNIS.

VITAL AND MORTAL STATISTICS, 1919.

POPULATION.

The number of persons estimated to be living at the middle of 1919 was 102,591.

The distribution of the population throughout the Borough is as follows:—

		Census, 1911.	Estimated Population at middle of year 1919. Calculated on Birth Rate.
East Greenwich	...	45,963	49,387
West Greenwich	...	22,936	24,438
St. Nicholas...	...	7,291	7,767
Charlton	... ..	16,911	17,948
Kidbrooke	... ..	2,876	3,051
Total	...	<u>95,977</u>	<u>102,591</u>

MARRIAGES.

The Superintendent-Registrar of the Greenwich Registration District has kindly furnished me with the particulars relating to the number of marriages solemnized in the Parishes of Greenwich and St. Nicholas. The Superintendent-Registrar for the Woolwich Registration District has also kindly supplied the particulars for the Parishes of Charlton and Kidbrooke, with the exception, in these latter particulars, that the marriages performed in the Woolwich Superintendent-Registrar's Office and in Chapels in Charlton and Kidbrooke, of residents in those Parishes, are not included.

The following table shows these particulars, giving the number of marriages in Greenwich and St. Nicholas, etc., for each year since 1910.

Marriages in Superintendent-Registrar's Office of parties resident in Greenwich, or outside the Registration District, and in Chapels and Roman Catholic Church in St. Nicholas and Greenwich.										Approximate Population of the districts concerned.	
Year.	In Churches of England in Greenwich.	In Churches of England in Charlton and Kidbrooke.	St. Nicholas Parish Church.						Total.		
1910	.. 304	.. 110	.. 53	..	243	..	710	..	112935		
1911	.. 309	.. 123	.. 34	..	230	..	696	..	95982		
1912	.. 266	.. 102	.. 59	..	228	..	655	..	95992		
1913	.. 295	.. 120	.. 51	..	259	..	725	..	96015		
1914	.. 279	.. 135	.. 72	..	243	..	729	..	96037		
1915	.. 472	.. 188	.. 95	..	406	..	1161	..	96385		
1916	.. 381	.. 145	.. 74	..	324	..	924	..	94452		
1917	.. 343	.. 128	.. 67	..	653	..	1191	..	90440		
1918	.. 353	.. 165	.. 55	..	244	..	817	..	89939		
1919	.. 419	.. 197	.. 76	..	326	..	1018	..	102591		

BIRTHS.

The total number of Births registered in the Borough during the year has been 1,968, but of these, 98 occurred in the Greenwich Union Infirmary, the address of the mother being in 20 instances in Deptford, 35 in Lewisham, 8 in Woolwich and one in Camberwell. Deducting these and adding 38 which were transferred from Lambeth, Stepney, St. Pancras, Deptford, Southwark, Newport, Westminster, Woolwich, Holborn and West Ham, it will be seen that the number of strictly Greenwich births for 1919 is 1,942, of which 992 were males and 950 females.

This corrected figure gives a Birth Rate of 18.62 per 1,000 of the population, being 5.48 below the average for the last eighteen years, 1901 to 1918, the period since the formation of the Metropolitan Borough.

Amongst the total number of births registered in the Borough there were 111 in which the name of the father was not registered and therefore not given in the return; accordingly, these births may be presumed to be of an illegitimate character. Sixty-nine of such births were registered in the East Greenwich District, which includes the Infirmary of the Greenwich Union.

In 16 cases the mother was ordinarily a resident in the Borough of Deptford, 35 in Lewisham and two in Woolwich, and accordingly this number of births have been transferred to those Boroughs. The home address of the other 16 were 4 in East Greenwich and 12 in West Greenwich.

The remaining 42 were allocated to the district in this Borough in which the mother resided, making 17 of such births belonging

to East Greenwich, 14 to West Greenwich, 3 to St. Nicholas and 8 to Charlton.

The Birth Rate for the County of London equals 18·3 per 1,000 of the population. The Birth Rate for all England and Wales was 18·5.

Under the provisions of the Notifications of Births Act, 1907, intimations have been received from medical men, parents, and others, with respect to 2,085 births.

DEATHS.

The total number of deaths registered during 1919 was 1,372, of which 776 were males and 596 females. The crude Death Rate for the Borough of 13·15 per 1,000 compares with 13·4, the Death Rate for the County of London, and 13·8 the Death Rate for the ninety-six large towns.

The Death Rate in the various Metropolitan Boroughs varied from 11·2 in Hampstead and Wandsworth, 11·4 in Lewisham, 12·1 in Fulham, 12·2 in Woolwich, 12·4 in Camberwell up to 14·9 in Kensington and Southwark, 15·2 in St. Marylebone and Finsbury, 15·7 in Shoreditch and 16·2 in Holborn.

Locally the Death Rate varied from 18·56 in West Greenwich, 13·10 in Charlton, 12·84 in St. Nicholas, 10·58 in East Greenwich to 6·88 in Kidbrooke.

The following table shows the variation in, and average of, the Death Rates in each of the five Districts of the Borough in the five years, 1914 to 1918, compared with the figures for 1919:—

DISTRICT.	1914.	1915.	1916.	1917.	1918.	Average for Five Years.
East Greenwich ..	12·87	13·57	12·57	14·05	10·58	12·73
West „ ...	18·61	19·62	19·93	19·55	18·56	19·25
St. Nicholas ...	18·73	26·52	22·44	26·07	12·84	21·32
Charlton ...	11·83	17·56	13·66	13·50	13·10	13·93
Kidbrooke ...	27·42	43·41	8·57	6·71	6·88	18·60
BOROUGH ...	14·95	17·56	15·14	15·96	13·15	15·35

Analysis of Sickness and Mortality Statistics in London during the Year 1919.

(Specially compiled for THE LANCET.)

CITIES AND BOROUGHES.	Estimated civil population, 1919.	Notified cases of Infectious Disease.											Deaths from Principal Infectious Diseases.										Deaths from all causes.	Death rate per 1000 living.
		Small-pox.	Scarlet Fever.	Diphtheria.*	Typhus Fever.	Enteric Fever.	Other continued Fevers.	Puerperal Fever.	Erysipelas.	Cerebro-spinal Meningitis.	Poliomyelitis.	Total.	Annual rate per 1000 persons living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.*	Whooping-cough.	Enteric Fever.	Diarrhoea and Enteritis (under 2 years).	Total.	Annual rate per 1000 persons living.		
LONDON ..	4,358,309	26	12,931	9479	1	344	6	313	2829	197	93	26,219	5.9	5	359	145	777	220	59	1372	2937	0.7	59,255	13.4
<i>West Districts:</i>																								
Paddington ..	143,938	—	261	259	—	10	—	15	77	7	5	634	4.3	—	11	4	17	3	—	52	87	0.6	1896	13.0
Kensington ..	157,886	—	261	274	—	19	—	12	75	7	2	650	4.1	—	14	2	17	4	—	82	119	0.7	2389	14.9
Hammersmith ..	130,981	1	186	237	—	9	—	6	78	6	6	529	4.0	—	9	2	21	9	1	65	107	0.8	1674	12.6
Fulham ..	152,543	—	309	335	—	6	1	35	74	9	2	831	5.4	—	13	5	31	4	12	42	97	0.6	1871	12.1
Chelsea ..	60,573	—	156	76	—	8	—	3	19	3	3	268	4.4	—	8	4	8	4	—	13	37	0.6	897	14.6
City of Westminster	127,533	—	248	136	—	12	—	4	76	4	1	481	3.7	—	6	3	15	12	2	23	51	0.4	1808	13.9
<i>North Districts:</i>																								
St. Marylebone ..	97,953	—	198	156	—	4	—	6	57	3	5	429	4.3	—	18	3	10	2	2	30	65	0.7	1517	15.2
Hampstead ..	88,012	—	126	87	—	8	—	2	36	1	3	263	2.9	—	5	2	7	—	—	17	31	0.3	1004	11.2
St. Pancras ..	219,434	10	587	354	—	9	—	12	145	10	5	1132	5.1	1	15	5	23	7	2	53	106	0.5	2944	13.2
Islington ..	323,034	2	1084	654	—	16	1	29	212	16	3	2017	6.1	1	13	12	50	18	3	86	183	0.6	4619	14.1
Stoke Newington ..	50,954	—	130	118	—	2	—	3	41	2	—	296	5.7	—	2	2	14	4	—	9	31	0.6	657	12.7
Hackney ..	216,736	—	653	700	—	23	2	17	111	6	6	1518	6.9	—	6	8	91	19	3	66	193	0.9	2860	13.0
<i>Central Districts:</i>																								
Holborn ..	38,156	—	56	88	—	2	1	—	25	2	—	174	4.5	—	2	—	6	—	1	5	14	0.4	630	16.2
Finsbury ..	75,291	—	264	143	—	6	—	6	50	5	1	475	6.2	—	9	—	9	1	—	30	49	0.6	1165	15.2
City of London	13,893	—	15	23	—	1	—	—	2	—	1	42	3.0	—	—	—	2	1	—	1	4	0.3	198	14.0
<i>East Districts:</i>																								
Shoreditch ..	98,134	—	296	260	—	8	—	3	82	4	—	653	6.5	—	14	2	21	2	3	56	98	1.0	1562	15.7
Bethnal Green ..	110,085	1	390	552	1	4	—	9	163	3	2	1125	10.1	—	12	3	56	8	1	69	149	1.3	1550	13.9
Stepney ..	232,506	1	1023	795	—	33	1	13	219	12	1	2008	8.9	1	15	9	45	17	6	112	205	0.9	3403	14.4
Poplar ..	153,644	1	369	323	—	24	—	17	130	16	6	886	5.7	—	9	4	34	26	6	65	144	0.9	2246	14.4
<i>South Districts:</i>																								
Southwark ..	179,971	—	799	504	—	12	—	19	208	6	2	1550	8.5	—	19	4	42	10	3	92	170	0.9	2728	14.9
Bermondsey ..	124,239	—	399	283	—	8	—	3	84	4	—	781	6.2	—	23	5	21	5	3	52	109	0.9	1729	13.7
Lambeth ..	282,322	1	1033	544	—	16	—	17	190	10	7	1818	6.3	—	26	16	62	12	4	89	209	0.7	4194	14.6
Battersea ..	159,316	3	495	244	—	11	—	11	95	13	6	878	5.4	—	18	3	20	6	3	31	81	0.5	2063	12.7
Wandsworth ..	333,693	—	906	535	—	18	—	31	147	13	9	1659	4.9	—	18	7	41	14	2	45	127	0.4	3783	11.2
Camberwell ..	273,802	—	725	511	—	10	—	14	151	6	8	1425	5.1	—	31	12	35	15	3	94	190	0.7	3441	12.4
Deptford ..	111,205	—	521	263	—	8	—	8	72	2	4	878	7.8	—	21	9	16	1	2	32	81	0.7	1447	12.8
Greenwich ..	98,484	—	483	276	—	20	—	5	51	9	1	845	8.4	—	12	7	16	10	2	26	73	0.7	1372	13.15
Lewisham ..	167,754	—	657	374	—	4	—	6	91	12	3	1147	6.7	—	3	9	20	5	—	16	53	0.3	1943	11.4
Woolwich ..	136,237	4	239	374	—	27	—	7	68	6	1	726	5.2	2	7	3	27	11	5	19	74	0.5	1683	12.2
Port of London ..	—	2	2	1	—	6	—	—	—	—	—	11	—	—	—	—	—	—	—	—	—	—	—	—

* Including Membranous Croup.

DEATHS IN INSTITUTIONS.

The following table gives the particulars showing the number of deaths of Greenwich residents in Public Institutions during the last six years:—

Year.	Total Deaths of Greenwich Residents.		Total Deaths of Greenwich Residents under 1 year of age.		Total Deaths of Greenwich Residents in Public Institutions.	
1914	1,431	...	235	...	414	...
1915	1,690	...	238	...	690	...
1916	1,426	...	197	...	544	...
1917	1,439	...	203	...	364	...
1918	1,718	...	210	...	651	...
AVERAGE ...	<u>1,541</u>	...	<u>217</u>	...	<u>533</u>	...
1919	1,372	...	187	...	603	...

Age Mortality.

The age mortality and the distribution of the deaths between the different quarters of the year is shown by the following table:—

Deaths.	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	Total.
Under 1 year of age	46	40	33	68	187
Between 1 and 2 years	12	6	8	11	37
Between 2 and 5 years	13	8	4	13	38
Between 5 and 15 years... ..	20	20	13	15	68
Between 15 and 25 years	30	27	18	15	90
Between 25 and 45 years	83	45	38	59	225
Between 45 and 65 years	82	56	58	103	299
65 years and upwards	162	85	70	111	428
Total	448	287	242	395	1,372

INFANTILE MORTALITY.

The Infantile Mortality, measured by the deaths of children under one year of age to the number of births registered, was 95 per 1,000 births, there having been a total of 187 such deaths during the year, as compared with 197, 203 and 210, the respective figures for the years 1916, 1917 and 1918. The number for the County of London was 85 per 1,000 births, the average for the past five years in Greenwich has been 101 per 1,000 births.

For all London the rate was 85 in 1919, compared with 107 in 1918 and 103 in 1917. For England and Wales the rate was 93, compared with 97 in 1918, 97 in 1917 and 99 in 1916.

Locally, the variations were from 71 per 1,000 births in East Greenwich, 84 in Charlton, 105 in Kidbrooke, 123 in West Greenwich, to 152 in St. Nicholas. The following table compares at a glance these figures for the years since the formation of the Borough :—

DISTRICT.	Average for five Years, 1901-1905 inclusive.	Average for five Years, 1906-1910 inclusive.	Average for five Years, 1911-1915 inclusive.	1916.	1917.	1918.	1919.
East Greenwich ..	129	106	96	68	109	99	71
West „ ...	126	110	112	92	106	146	123
St. Nicholas ...	179	143	167	156	114	123	152
Charlton ...	121	109	76	75	97	131	84
Kidbrooke ...	39	79	16	51	—	40	105
TOTAL ...	131	111	103	83	105	119	95

AN ANALYSIS OF DEATH CAUSES.

All death causes are conveniently arranged under various headings, according to the Registrar-General's classification of diseases, and the following table shows the Death Rates for all persons belonging to the Borough (although some of them may have died in Institutions in other Boroughs, or even outside the County of London altogether), per 1,000 of the population living in the Borough.

1919.	1919.
Infective Diseases— Epidemic ... 1.53 Sporadic ... 0.009 Venereal ... 0.10 Septic ... 0.01 Malarial ... 0.02 Tuberculosis ... 1.66 Dietetic Diseases ... 0.01 Constitutional Diseases ... 1.49 Developmental Diseases ... 2.01 Local Diseases— Nervous System ... 1.09 Organs of Special Sense... 0.07	Local Diseases—continued. Circulatory System ... 1.23 Respiratory System ... 2.27 Digestive System ... 0.44 Urinary System... 0.43 Reproductive System ... 0.08 Parturition ... 0.04 Bones and Joints ... 0.01 Integumentary System... 0.009 External Causes— Accidents ... 0.38 Suicide ... 0.01

REMARKS ON VARIOUS DEATH CAUSES.

INFECTIVE DISEASES.

EPIDEMIC. There were 160 deaths due to this class of diseases, equalling a Death Rate of 1·53 per 1,000; the rate last year was 4·86, and was 1·71, 1·71 and 1·54 in 1915, 1916 and 1917 respectively.

ZYMOTIC. The purely Zymotic class of epidemic diseases is credited with causing a total of 88 deaths, equalling a Death Rate of ·84 per 1,000.

Locally, the Zymotic Death Rate varied from ·32 in Kidbrooke (·37 in 1918), ·65 in Charlton (1·1 in 1918), ·71 in East Greenwich (1·78 in 1918), ·92 in West Greenwich (2·01 in 1918), up to 1·72 in St. Nicholas (2·06 in 1918).

SMALL-POX. There were no deaths from this disease in 1919, this being the seventeenth year since a death occurred from this cause in the Borough.

MEASLES. Thirteen deaths were ascribed as due to this disease, 11 of the patients being under five years of age, and 2 between five and fifteen years of age, compared with 45 which occurred in 1918; 46, 48 and 45 deaths were recorded in the years 1915, 1916 and 1917 respectively.

One of the deaths occurred in East Greenwich, 5 in West Greenwich, 5 in St. Nicholas, 2 in Charlton and 0 in Kidbrooke. The quarterly incidence was 1 in the first, and 1, 4 and 7 respectively in the succeeding quarters.

SCARLET-FEVER. This disease occasioned 7 deaths, 2 of which were under two years. Two deaths occurred in East Greenwich, 1 in West Greenwich, 3 in St. Nicholas and 1 in Charlton. One such death occurred in 1918 and 1 in 1917.

DIPHTHERIA. There were 15 deaths from this disease during 1919. This gives a Death Rate for Diphtheria of ·14 comparing with ·07 the rate for 1918. Sixteen deaths occurred in 1918 which were attributed to this cause, and 14, 22 and 27 in 1915, 1916 and 1917 respectively.

Ten of the patients were under five years of age.

Forty-two tubes of Diphtheria Anti-toxin, containing a total of 84,000 units of serum, for the treatment of patients suffering from this disease, have been supplied by this Council during the year.

WHOOPING COUGH. This disease was given as the cause of 9 deaths in 1918, as against 23, 8 and 45 in the years 1916, 1917 and 1918. These deaths equal a rate of ·08 per 1,000. Five of the

deaths occurred in East Greenwich, 2 in West Greenwich, 0 in St. Nicholas and 2 in Charlton.

TYPHOID FEVER. There were 2 deaths ascribed as due to this disease; there were 4 in 1918, 2 in 1917, 6 in 1916, 7 in 1915, 5 in 1914, 3 in 1913, 2 in 1912, 4 in 1911 and 3 in 1910. One death occurred in East Greenwich and 1 in West Greenwich.

DIARRHŒA AND ZYMOTIC ENTERITIS. Twenty-eight deaths were stated to be due to this cause, equalling a rate of $\cdot 26$ per 1,000. Last year there were 37 deaths, and 37, 42 and 38 respectively in 1915, 1916 and 1917.

The deaths were distributed as follows:—Thirteen in East Greenwich, 6 in West Greenwich, 6 in St. Nicholas, 2 in Charlton and 1 in Kidbrooke. Twenty-five patients were under five years of age.

The deaths in 1918 were distributed as follows:—21 in East Greenwich, 7 in West Greenwich, 6 in St. Nicholas and 5 in Charlton.

INFLUENZA. Influenza is found to have been the responsible cause of 84 deaths in 1919, 114 was the average of the previous three years. Of the 84, 11 were over sixty-five years of age.

SPORADIC DISEASES. There was one death from this class of diseases during the year.

VENEREAL. SYPHILIS. Eleven deaths were given as due to Syphilis, as against 6 in 1918 and 5 in 1917. Of these 11 deaths, 7 were under five years of age. Three occurred in East Greenwich, 6 in West Greenwich and 2 in St. Nicholas. Four of the deceased persons were in the Greenwich Infirmary, 1 in the Seamen's Hospital and 3 in the Miller Hospital.

There were no deaths from Gonorrhœa during the year.

SEPTIC. ERYSIPELAS. Two deaths occurred from this cause in 1919, 2 in 1918, 1 in 1917, 3 in 1916 and 4 in 1915.

PUERPERAL FEVER. There were 4 deaths from this disease during the year.

PYÆMIA AND SEPTICÆMIA. There were 3 deaths from this disease during the year, and 2 deaths from other allied diseases.

MALARIAL. RHEUMATIC FEVER. There were 3 deaths in 1919, as compared with 1 in 1918, 3 in 1917 and 1 in 1916. **RHEUMATISM OF THE HEART.** There was one death ascribed to this cause during 1919.

TUBERCULOSIS. This class includes the causes of 174 deaths during the year under review, with a rate of 1.66; these figures compare with 170, 219 and 174, the totals of the years 1916, 1917 and 1918 respectively, and respective rates of 1.80, 2.42 and 1.90.

Tuberculosis of the lungs (Consumption) is, as usual, credited with the major portion of these deaths, there being 141 attributed to this cause, or a rate of 1.35 per 1,000.

Locally, the deaths were 1 in Kidbrooke (giving a Death Rate of .32), 12 in St. Nicholas (giving a Death Rate of 1.29), 21 in Charlton (giving a Death Rate of 1.15), 51 in East Greenwich (giving a Death Rate of 1.01), and 56 in West Greenwich (giving a Death Rate of 2.25 per 1,000).

The remaining forms of Tuberculosis were responsible for 33 deaths, 10 being in East Greenwich, 12 in West Greenwich, 3 in St. Nicholas, 7 in Charlton and 1 in Kidbrooke.

Of these other forms of Tuberculosis, Tuberculosis of the Brain or its membranes was credited with 17, 10 being under five years of age; Tubercle affecting the Intestines, 8 deaths (3 being under five years of age); General Tuberculosis, 7 deaths (3 under five); Tubercle of Larynx, 1 over five years of age.

PARASITIC DISEASES. There was one death from this class of disease.

DIETETIC DISEASES. There were 2 deaths from this class of disease in West Greenwich.

CONSTITUTIONAL DISEASES. The deaths from this cause were 156 in number, which gives a rate of 1.49 per 1,000. Of these, 140 were attributed to Cancer, 6 to Diabetes, 5 to Anæmia, 2 to Osteo-Arthritis, 1 to Lymphadenoma and 2 to Gout. The deaths from Cancer were distributed as follows:—67 occurred in East Greenwich, 41 in West Greenwich, 9 in St. Nicholas, 21 in Charlton and 2 in Kidbrooke.

DEVELOPMENTAL DISEASES. There were 210 deaths from this class of causes, equal to a rate of 2.01 per 1,000.

These may roughly be divided into those from causes which would appear to be unavoidable, viz.:—Congenital defects, 5, and those from causes more or less preventable, viz.:—Premature birth 41; Injury at birth, 7; Debility at birth, 9; Atrophy, Debility and Marasmus, 17, and Atelectasis, 6.

The remaining and largest portion of these deaths from developmental diseases, 125 in number, were from Old Age; in 1918 there were 113 deaths from this cause, and 137 in the previous year.

LOCAL DISEASES. NERVOUS SYSTEM. One hundred and fourteen deaths were attributed to the various nervous diseases, which gives a rate of 1.09 per 1,000; last year the rate was .32 per 1,000. Convulsions were responsible for 5, all being under five years of age; 5 were from Meningitis, 70 from Apoplexy, 2 from Softening of the Brain, 2 from Hemiplegia or Brain Paralysis,

4 from General Paralysis of the Insane, 3 from Cerebral Tumour, 8 from Epilepsy, 1 from Encephalitis, 2 from Locomotor Ataxy, 1 from Paraplegia, and 11 from other diseases of this system.

ORGANS OF SPECIAL SENSE. There were 8 deaths from this class of causes, equal to a rate of .07 per 1,000.

CIRCULATORY SYSTEM. The Death Rate from diseases of this system was 1.23 per 1,000, there being a total of 129 such deaths. Valvular diseases of the heart were responsible for 119, 1 from Hypertrophy of the Heart, 3 from Aneurism, 3 from Embolism, 2 from Angina Pectoris, and from the remaining diseases of this system, 1.

RESPIRATORY SYSTEM. Two hundred and thirty-seven deaths were due to diseases of the respiratory organs, as compared with 327 in the preceding year. The Death Rate under this heading equals 2.27 per 1,000. Thirty were from Acute, and 84 from Chronic Bronchitis; 113 from the various forms of Pneumonia, 28 being under five years of age, 4 to Emphysema, 1 to Pleurisy, and 5 to other diseases.

DIGESTIVE SYSTEM. There were 46 deaths from diseases of this system, equal to a rate of .44 per 1,000. Of this number, Enteritis was responsible for 6 (5 being under five years of age), 1 was due to disease of Pharynx, 1 to disease of Oesophagus, 6 to Appendicitis, 11 to obstruction, and 5 to other diseases of the Intestines, 3 to Cirrhosis, and 2 to other diseases of the Liver, 2 to Peritonitis, 7 to other diseases of Stomach, and 2 to other disease of the Digestive System.

LYMPHATIC SYSTEM. There were 2 deaths from diseases affecting this system during the year.

URINARY SYSTEM. Forty-five deaths, equal to a rate of .43 per 1,000, occurred from diseases affecting this system. Twenty-six were from Bright's Disease, 9 from Acute Nephritis, 8 from diseases of the Bladder and Prostate, and 2 from ill-defined causes of the urinary system.

REPRODUCTIVE SYSTEM. Disease of the generative organs was the cause of 9 deaths, 2 deaths were attributed to diseases of Uterus and appendages, and 1 to Disease of Ovaries. There were 6 deaths attributed to diseases of Parturition.

BONES AND JOINTS. There were 2 deaths from diseases of bones and joints.

INTEGUMENTARY SYSTEM. There was 1 death from disease of Integumentary System.

EXTERNAL CAUSES. There were 50 deaths given as due to causes grouped under this heading; 40 were the result of accident or negligence, and the remaining 10 were from Suicide.

Four children died of Suffocation by being overlaid in bed during 1919 (compared with 0 from this cause last year); 5 cases were from drowning, 3 from Burns and Scalds, while accidents on railways, in vehicular traffic and in building operations, falls, etc., were responsible for 28 deaths.

The Suicides were 2 by cut or stab, 1 from Drowning, 3 by Hanging and Strangulation, 1 from Asphyxia, 1 from Poison, 1 by Shooting, and 1 by other cause.

ILL-DEFINED CAUSES. There was no death the cause of which was not ascertained in 1919.

MORTUARY.

The number of bodies dealt with in the Mortuary since 1910 is shown below:—

Year.	Drowned Bodies from River.		Other Bodies.	Totals.
1910	..	12	.. 109	.. 121
1911	..	8	.. 112	.. 120
1912	..	15	.. 126	.. 141
1913	..	17	.. 114	.. 131
1914	..	15	.. 134	.. 149
1915	..	15	.. 194	.. 209
1916	..	11	.. 182	.. 193
1917	..	15	.. 209	.. 224
1918	..	24	.. 138	.. 162
1919	..	12	.. 120	.. 132

POOR LAW RELIEF.

According to the circular of the Ministry of Health, respecting the Annual Reports of the Medical Officers of Health, it is now necessary that they include some reference to the amount of medical and other forms of Poor Law Relief in the district. I have accordingly been in communication with the Clerk to the Greenwich Board of Guardians on this subject, but have only been favoured with the information contained in the quarterly statement of persons in receipt of Poor Law Relief in England and Wales, showing the number of persons in receipt of such relief on the last Saturdays in October, November and December, 1919, for the whole of the South-Eastern District of London, which information for the purpose of this report is, of course, quite useless.

HOSPITAL AND OTHER FORMS OF GRATUITOUS MEDICAL RELIEF.

THE SEAMEN'S HOSPITAL have admitted, treated and maintained 200 Greenwich persons for an average of twenty-four days each, in addition to which there have been 2,268 Out-patients who

attended on an average about three times each patient, making altogether 6,804 attendances of persons belonging to the Borough of Greenwich.

MILLER GENERAL HOSPITAL treated about 400 Greenwich residents as In-patients, and about 48,000 Out-patient attendances were also made by Greenwich residents.

BLACKHEATH AND CHARLTON COTTAGE HOSPITAL admitted 145 In-patients from Greenwich, and treated about 150 casualties, making about 100 attendances for this purpose.

SANITARY WORK.

The tables on pages 22 to 27 and 55 to 62 summarise, as far as possible, the Sanitary work of the Department; from this it will be seen that a total of 10,642 houses and premises have been inspected or re-inspected during the year; 1,158 intimation notices have been served and 230 statutory notices.

With the exception of prosecutions in connection with the Sale of Food and Drugs Act, it was not found necessary to institute Police Court proceedings in any case during the year.

There were altogether throughout the year 616 complaints entered in the Public Complaints Register of the Department.

BAKEHOUSES. One hundred inspections have been made of the various Bakehouses in the Borough, and 39 nuisances found therein have been abated as the result.

FACTORIES AND WORKSHOPS. One hundred and twenty-three inspections have been paid to these premises within the Borough during the year. There were 200 workshop premises on the Register at the beginning of the year, 8 have been added during the year, and 6 have been taken off, leaving a total now on the Register of 202. This total includes 16 laundries, 29 dressmaking and mantle works, 7 fuel and firewood works, 3 cycle works, 9 milliners, and various others, including workplaces, such as 4 blacksmiths, 14 barge builders, 3 builders' yards, etc. Information has been sent to H.M. Inspector of Factories with respect to a workshop being converted into a factory.

OUTWORKERS' REGISTER. Sixty-three Lists of Outworkers containing 221 names and addresses, have been received during the year from the Medical Officers of Health for other Districts; 11 lists, containing 78 names, have been received from employers within the District; 22 names have been forwarded to other Districts, thus giving a total of 277 names and addresses of outworkers within the Borough. One hundred and twelve visits of inspection have been paid to these premises.

FACTORIES, WORKSHOPS, LAUNDRIES, WORK- PLACES and HOMEWORK.

1.—INSPECTION.

PREMISES.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries)	62	3	...
Workshops (Including Workshop Laundries)	108	11	...
Workplaces (Other than Outworkers' Premises)	144	7	...
Total	314	21	...

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	98	98	...	...
Want of Ventilation	9	9	...	...
Overcrowding	8	8	...	...
Want of Drainage of Floors ... ..	...	...	...	...
Other Nuisances	37	37	...	...
Sanitary Accommodation—				
Insufficient	11	11	...	...
Unsuitable or defective	17	17	...	...
Not Separate for Sexes	2	2	...	...
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal Occupation of Underground Bake- house (s. 101) ... ..	...	...	...	...
Breach of Special Sanitary Require- ments for Bakehouses (ss. 97 to 100)	9	9	...	...
Other Offences	4	4	...	...
Total	195	195	...	...

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

3.—HOME WORK.

Nature of Work.	Outworkers' Lists, Section 107.								Number of inspections of outworkers' premises.	Outwork in unwholesome premises. Sec. 108.			Outwork in infected premises. Secs. 109 & 110.		
	Lists received from Employers.				Numbers of addresses of outworkers received from other Councils.	Numbers of addresses of outworkers forwarded to other Councils.	Prosecutions.			Instances.	Notices served.	Prosecutions.	Instances.	Orders made (Sec. 110).	Prosecutions (Secs. 109 & 110).
	Twice in the year.		Once in the year.				Failing to keep or permit inspection of lists.	Failing to send lists.							
	Lists.	Outworkers	Lists.	Outworkers											
Wearing Apparel—															
(1) Making, &c. ...	9	76	1	1	115	21	...	...	66	...	...	...	...	...	...
(2) Cleaning & Washing	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lace, Lace Curtains & Nets	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Furniture and Upholstery	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fur Pulling	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Umbrellas	...	...	1	1	...	1	...	...	...	...	...	...	...	...	...
Paper Bags and Boxes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cotton and Kit Bags	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brush Making	...	...	...	...	2	...	...	...	2	...	...	...	...	...	...
Box Making	...	...	...	...	4	...	...	...	4	...	...	...	...	...	...
Rackets & Tennis Balls	...	...	...	...	100	...	...	...	40	...	...	...	...	...	...
Stuffed Toys	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS	9	76	2	2	221	22	...	...	112	...	...	...	...	...	...

4.—WORKSHOPS AND WORKPLACES ON THE REGISTER AT THE END OF 1919.

	No.
Bakehouses	41
Factory Bakehouses	2
Barge Builders... ..	14
Blacksmiths	4
Boot and Shoe Makers	7
Builders' Yards	3
Carpenters and Joiners	2
Carriage Builders	2
Coopers	4
Cycle Works	3
Dress and Mantle Makers	29
Fuel Works	7
Laundries	16
Milliners... ..	9
Photographers	3
Picture Frame Makers	1
Printers	1
Tailors	5
Underclothing Makers	1
Others	48
	— 202

5.—OTHER MATTERS.

Class.	Number.
Matters notified to H.M. Inspectors of Factories :—	
Failure to affix Abstract of the Factory and Workshop Act (s. 133)
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (s. 5) :—	
Notified by H.M. Inspector
Reports (of action taken) sent to H.M. Inspectors
Other

Underground Bakehouses (s. 101) :—

In use during 1918	12
Certificates granted in 1918... ..	...
In use at the end of 1919	12

SLAUGHTER HOUSES. The slaughter houses in the Borough have been inspected on 45 occasions by the Inspectors.

SCAVENGING AND REFUSE REMOVAL. The scavenging of the Borough is theoretically carried out on a weekly system of collection. Unfortunately complaints are received from time to time by this Department that the weekly system has become extended into a two or three weekly period. These matters are always brought to the attention of the Borough Engineer and Surveyor so that he can deal with them.

The method of the disposal of the refuse after it has been collected leaves much to be desired, the present method being by means of tipping on the low-lying marshes and waste land in the Borough, but, as these places are gradually becoming filled up, the sites available are now within too close proximity to occupied houses and other public places to be conducive to healthy conditions, and undoubtedly these refuse dumps are at the present time a breeding ground for large numbers of both rats, mice and flies.

Some portion of the refuse is tipped into barges at this Council's Depôts on the River Side and barged away for disposal down the river.

Two hundred and sixty-three new ash receptacles have been provided, and 26 complaints on this subject have been forwarded to the Borough Engineer for his attention.

HORSE SLAUGHTERER. The one horse slaughtering premises in this Borough has been visited on eight occasions, and cleansing of the premises required on four of the visits.

OTHER SCHEDULED OFFENSIVE TRADES. The Foreign Animals Wharf being still in the occupation of the Military, the Offensive Trades generally carried on therein have not yet been recommended.

SMOKE NUISANCES. Eighteen observations have been made for smoke nuisances during the year, and on no occasion was it found necessary to issue a statutory notice.

HOUSE DRAINAGE. Twelve drains have been constructed, 89 drainage systems have been reconstructed or repaired; 276 such systems have also been opened, cleansed and amended; 40 surface drains have been constructed; 44 drains and soil pipes have been ventilated, 181 systems have been tested by smoke, 129 by water and 60 by chemicals, of which number 119 were found to be defective; 25 new soil pipes and 129 traps have been fixed, together with 61 intercepting chambers and fresh-air inlets and 17 other chambers; 21 areas, 36 yards, 6 mews and stables, 2 washhouses drained; 1 cesspool abolished, 2 emptied, 2 air-tight covers amended and 1 ventilated; 26 water-closets have been erected; a pan, trap and water supply have been furnished throughout in 83 cases; pan and traps only furnished in 60 cases; pans only in 18 cases, and other fittings provided or improved in 184 cases, whilst the water supply has

been renewed in 136 instances. The water supply for lavatory purposes has been disconnected from the drinking water system in 3 instances. Public-house urinals have been cleansed and repaired in 27 instances, 5 urinals were altered and 28 repaired or water laid on.

WATER SUPPLY. During the year 1 water supply certificate has been granted under Section 48 of the Public Health (London) Act, 1891. Defective water fittings have been remedied in 75 cases; 31 water supplies have been reinstated where the supply had been cut off; water fittings have been amended in 109 cases; 3 water supplies have been altered so as to draw direct from the main; water supply provided in 7 instances, and cleansing, repairing and covering cisterns in 3 cases.

FOOD.

COWHOUSES. The four cowhouses in the Borough have been visited on 10 occasions, and the required cleansing has been duly enforced on 7 occasions.

DAIRIES, COWSHEDS AND MILKSHOPS ORDER. At the commencement of the year there were 129 premises on the Register of Dairies and Milkshops; 10 new applications have been received during the year and added to the Register, and 19 names have been taken off, thus leaving a total of 120 premises now registered. During the year 101 visits of inspection have been paid to these premises; notices were served upon the occupiers in 8 cases, 7 of which were for dairies requiring limewashing and 1 for sanitary defect.

Under the powers conferred by the London County Council (General) Powers Act, 1908, Section 5, with respect to the registration of premises unsuitable for the sale of milk, no registration has been refused on the grounds of the unsuitability of the premises.

ICE CREAM PREMISES. There were 103 premises known at the commencement of the year where the manufacture of this commodity was carried on; 14 have been added during the year and 14 taken off, leaving a total of 103 premises. These premises were inspected on 72 occasions, and improvement required by way of cleansing of the premises in 13 cases.

FOOD PREPARATION. Places where food is prepared have been visited on 177 occasions, improvements being required in 43 instances, as detailed below:—

Class of Premises.	NUMBER ON LISTS.				Number of Inspections	Number of instances where matters needed attention.
	At end of 1918.	Added 1919.	Re-moved 1919.	At end of 1919.		
Hotel Kitchens ...	4	...	...	4	5	...
Eating Houses ...	43	12	7	48	63	21
Fried-Fish Shops ...	22	3	2	22	34	15
Pork Butchers ...	13	...	...	13	21	3
Mineral Water Manufacturers ...	1	...	...	1	2	...
Ice do. ...	2	...	...	2	3	1
Sausage do. ...	12	...	...	12	37	...
Others ...	5	4	1	8	12	3
Totals ...	102	19	10	110	177	43

The 43 instances where matters needed attention included 35 cases where the premises generally, or kitchen and scullery particularly, needed cleansing and lime-washing, 2 where the sanitary arrangements were defective, 1 which required reconstruction, and 5 for want of ashpit.

CUSTOMS AND INLAND REVENUE ACTS.—No application was received during the year for certificates under these Acts.

PUBLIC HEALTH, MILK AND CREAM REGULATIONS, 1912—1917. No special samples have been taken during the year under these regulations, but the Public Analyst reports respecting every sample of milk taken as to the presence or otherwise of preservatives and the actual amount of fat present.

MILK, MOTHERS' AND CHILDREN'S ORDERS, 1918. During the year 17,038 lbs. of dried milk of various kinds have been supplied under these orders to mothers and children attending our Infant Consultation Centres.

FOOD AND DRUGS ACTS. Four hundred and twenty-six samples have been purchased under the provisions of the Sale of Food and Drugs Acts and submitted to the Public Analyst for analysis, of which 404 were certified to be genuine and 22 adulterated, the adulterations thus being equivalent to 5.1 per cent. of the samples taken.

Of the total number of samples purchased, 158 were milk of which 18 were certified to be adulterated; the remaining adulterated samples were 2 of mustard mixture and 2 of vinegar.

In addition, 2 samples were taken on behalf of the Food Control Committee.

Proceedings were taken in 4 cases, resulting in fines and costs being imposed in all instances.

A warning letter was sent in 6 cases.

Sale of Food and Drugs Acts.—Number and Description of Samples purchased for Analysis under the above Acts during the Year 1919.

Description of Samples.	Number of Samples Purchased.	Number Genuine.	Number Adulterated.	Remarks as to Action taken.
Baking Powder ...	23	23	...	—
Butter ...	32	32	...	—
Cocoa...	8	8	...	—
Coffee ...	26	26	...	—
Cooking Fat ...	1	1	...	—
Dripping ...	62	62	...	—
Egg Powder ...	2	2	...	—
Egg Substitute ...	1	1	...	—
Frying Fat ...	1	1	...	—
Milk ...	158	140	18	6 warning letters sent, Police Court proceedings in 2 cases, Action taken by employer in 1 case. No action in 9 cases.
Mustard ...	3	3	...	—
Mustard Mixture ...	2	...	2	No action in both cases.
Pepper...	6	6	...	—
Self-Raising Flour ...	26	26	...	—
Spongine ...	1	1	...	—
Vinegar ...	74	72	2	Police Court proceedings in both cases.
Total ...	426	404	22	

**Sale of Food and Drugs Acts, 1919.—Legal Proceedings,
Particulars of Samples adulterated and result of
action taken.**

Description of Sample	Nature of Adulteration.	Result of Proceedings.
Milk	Admixed with 17 per cent. of water	Fine £5, Costs, £1 1s.
"	" 3 " "	Warning letter.
"	Slightly deficient in solids, not fat ..	No action taken
"	" " " "	" "
"	Admixed with 4 per cent. of water ..	Warning letter.
"	" 4 " "	" "
"	" 10 " "	Proper formalities not complied with by Military Authorities
"	Deficient in fat to the extent of 14 per cent.	Fine 10s., Costs 20s.
"	Deficient in fat to the extent of 4 per cent.	Warning letter.
"	Slightly deficient in solids, not fat..	No action taken.
"	" " " "	" "
"	" " " "	" "
Mustard Mixture ..	Containing 7 per cent. flour coloured with turmeric	" "
Vinegar	Admixed with 10 per cent. of water	Fine 9s., Costs 21s.
Milk	Slightly deficient in solids, not fat ..	No action taken.
"	Admixed with 7 per cent. of water	Action taken by em- ployer (employee one month's imprison- ment).
Mustard Mixture ..	Containing 15 per cent. flour coloured with turmeric	No action taken.
Milk	Admixed with 2 per cent. of water ..	Warning letter.
"	Slightly deficient in solids, not fat ..	No action taken.
"	" " " "	" "
"	Admixed with 1.5 per cent of water	Warning letter.
Vinegar	" 40 " "	Fine 40s., Costs 21s.

Supplemental Vaccination Return for 1918.

Return made on or before the 8th of February, 1920, by MR. A. E. ROSSITER, Vaccination Officer of the several Districts of the Greenwich Union, respecting the vaccination of children whose births were registered in his District from 1st January to 31st December, 1918, inclusive:—

Registration Sub-Districts comprised in the Vaccination Officer's District.	No. of Births from 1st Jan. to 31st Dec., 1918.	No. of these Births duly entered by 31st Jan., 1919.					No. of Births which on 31st Jan., 1919, remained unentered in the Vaccination Register on account of—			No. of these births remaining on 31st Jan., 1920, not accounted for.
		Successfully Vaccinated.	Insusceptible of Vaccination.	Had Small-pox.	Certificates of conscientious objection received.	Dead, Unvaccinated.	Postponement by Medical Certificate.	Removal to Districts, V.O. of which apprised.	Removal to places unknown and cases not found.	
1	2	3	4	5	6	7	8	9	10	11
South Deptford	366	188	1	...	102	21	1	2	14	37
North Deptford	1023	494	9	...	242	72	11	18	47	130
East Deptford	875	410	6	...	156	61	25	1	36	180
East Greenwich	818	478	2	...	160	56	6	35	42	39
West Greenwich	446	245	2	...	113	33	4	2	25	22
Total	3528	1815	20	...	773	243	47	58	164	408

Dated February 10th, 1920.

NOTIFICATIONS UNDER THE PROVISIONS OF THE PUBLIC HEALTH (LONDON) ACT, 1891. During the year 2,820 cases have been notified under the above Act, as compared with 1,906, 1,400 and 2,613 respectively in the preceding years 1916, 1917 and 1918.

SMALL-POX. No case of this disease occurred in the Borough during the year. Details respecting vaccination are given in the Supplemental Vaccination Report.

CHICKEN-POX. Fifty-four cases of this disease were notified during three months of the year in which it was notifiable.

DIPHTHERIA. Two hundred and seventy-five cases of Diphtheria were notified during the year, as compared with 169, 364, 322 and 240, respectively, in the years 1915, 1916, 1917 and 1918. This distribution of these cases was as follows:—89 in East Greenwich, 125 in West Greenwich, 9 in St. Nicholas, 49 in Charlton and 3 in Kidbrooke.

Of this total number, 235 were removed to the Hospital for treatment.

Amongst which number, the Hospital Authorities reported that in 5 cases they considered the diagnosis incorrect.

There were 15 fatalities due to this disease, which gives a case mortality of 5·5 per cent.

One thousand two hundred and twenty-nine specimens were forwarded by medical practitioners for bacteriological investigation from cases suspected to be Diphtheria. Of this number 1,127 were reported to give negative or doubtful results, and 102 were positive in character, being dealt with accordingly.

The quarterly incidence of the disease for 1919 has been as follows:—

1st Quarter—East Greenwich, 16 cases; West Greenwich, 68; Charlton, 15; a total of 99 cases.

2nd Quarter—East Greenwich, 23 cases; West Greenwich, 37; St. Nicholas, 2; Charlton, 4; a total of 66 cases.

3rd Quarter—East Greenwich, 23 cases; West Greenwich, 8; St. Nicholas, 3; Charlton, 13; Kidbrooke, 1; a total of 48 cases.

4th Quarter—East Greenwich, 27 cases; West Greenwich, 12; St. Nicholas, 4; Charlton, 17; Kidbrooke, 2; a total of 62 cases.

MEMBRANOUS CROUP. No cases of Membranous Croup were notified during the year.

ERYSIPELAS. Forty-seven cases were notified during the year, 14 being in East Greenwich, 13 in West Greenwich, 10 in St. Nicholas, 9 in Charlton and 1 in Kidbrooke. Ten of these patients were removed to a Public Institution in the district.

SCARLET FEVER. Four hundred and eighty-one cases were notified during the year, as compared with 193, 155 and 167 cases respectively in the years 1916, 1917 and 1918; 273 cases were in East Greenwich, 86 in West Greenwich, 78 in St. Nicholas, 40 in Charlton and 4 in Kidbrooke; 420 of these cases were removed to the Hospital for treatment. There were seven deaths from this disease during the year as against 1 last year.

Seven of the cases removed to the Hospital as suffering from Scarlet Fever were returned as wrongly diagnosed.

The following Table gives particulars of the six cases which would seem to be "return cases." There were 2 such cases in 1918, 0 in 1917, 6 in 1916 and 17 in 1915.

Table showing Return Cases of Scarlet Fever during year 1919.

No. of Case.	Date of Removal of Primary Case.	Date of Disinfection.	Date of Discharge from Hospital.	Date of Removal of Second Case.	Time between Cases.	Remarks, &c. Appearance on discharge from Hospital.
1	8th Nov., 1918	9th Nov., 1918	27th Dec., 1918	4th Jan., 1919	6 days	Nasal discharge. Feet desquamating.
2	13th Dec., 1918	14th Dec., 1918	3rd Feb., 1919.	11th Feb., 1919	8 „	Throat sore ; glands swollen.
3	1st Sept., 1919	1st Sept., 1919	24th Sept., 1919	} 6th Oct., 1919	10 „	Feet desquamating. Heavy nasal discharge.
4	1st Sept., 1919	1st Sept., 1919	24th Sept., 1919			
5	2nd Sept., 1919	2nd Sept., 1919	1st Oct., 1919	13th Oct., 1919	9 „	Hands and feet desquamating.
6	29th Aug., 1919	30th Aug., 1919	10th Oct., 1919	19th Oct., 1919	9 „	Apparently well.

TYPHOID FEVER. There were 20 cases of Typhoid Fever notified during the year, 7 being in East Greenwich, 8 in West Greenwich and 5 in Charlton. The ages of the patients were: 1 between one and five years, 11 between five and fifteen years, 2 between fifteen and twenty-five years, 5 between twenty-five and forty-five years, and 1 between forty-five and sixty-five years. Of the total number of cases 19 were removed to the Hospital for treatment. Twelve such cases occurred in 1918, 13 in 1917, 14 in 1916 and 25 in 1915; the average number for the years 1902 to 1918, inclusive, being 25.

There were two fatalities from this disease during the year, 1 in East Greenwich and 1 in West Greenwich.

No cases of Enteric Fever were traceable to shell-fish, but 3 cases were in the habit of bathing in the river.

Fourteen specimens were forwarded for bacteriological examination from cases suspected to be Typhoid Fever in character, 7 giving a positive result.

PUERPERAL FEVER. Five cases of this disease were notified during the year, 1 being in East Greenwich, 2 in West Greenwich and 2 in Charlton.

There was 1 case in 1918, 3 in 1917, 14 in 1916 and 4 in 1915. There were 4 deaths from this disease during the year.

MEASLES. Nine hundred and twenty-five cases of Measles were notified during the year, as compared with 794 during the previous year, 1,469, 1,378 and 971 in the years 1917, 1916 and 1915 respectively.

The ages and incidence of fatality of the disease were as follows: There were 402 cases under five years of age, amongst whom there were 11 deaths, giving a case mortality of 2·7 per cent. Between the ages of five to fifteen years there were 499, with 2 deaths at this age period, giving a case mortality of ·40 per cent. Between fifteen and twenty-five there were 15 cases and no deaths; between twenty-five and forty-five, 8 cases and no deaths; and one between forty-five and sixty-five, which recovered.

The case mortality for the whole district works out at 1·4 per cent.

Table showing number of Measles Cases reported during the year 1919.

1ST QUARTER.

	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.
East Greenwich	1	15	39	1	1
West Greenwich	1	5	8	1	1
St. Nicholas ... ..	...	...	5	...	...
Charlton	2	12	40	...	1
Kidbrooke ... ..	...	...	...	1	...
Total	4	32	92	3	3

Total 134.

2ND QUARTER.

	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.
East Greenwich ... ..	...	71	136	6	3
West Greenwich	2	16	10	1	...
St. Nicholas ... ..	...	5	9	...	...
Charlton	3	10	8	1	1
Kidbrooke ... ..	...	...	...	1	...
Total	5	102	163	9	4

Total 283.

3RD QUARTER.

	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.
East Greenwich	3	35	41	...	1
West Greenwich	3	67	59	1	...
St. Nicholas	1	25	19	...	1
Charlton ... ..	...	7	15	...	...
Kidbrooke ... ..	...	...	...	...	...
Total	7	134	134	1	2

Total 278.

4TH QUARTER.

	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.
East Greenwich	2	7	13	2	...
West Greenwich	4	55	71	...	...
St. Nicholas	3	42	17	...	...
Charlton ... ..	...	5	5	...	...
Kidbrooke ... ..	...	...	4	...	...
Total	9	109	110	2	...

Total 230.

Total cases in year = 925.

ZYMOTIC ENTERITIS OR SUMMER DIARRHŒA. In July this Council made an emergency order requiring the notification of all cases of Zymotic Enteritis or Epidemic Diarrhœa occurring in persons under the age of five years, and before this emergency order had expired a similar order of a permanent character was made, so that this disease in persons under the age of five years is now permanently notifiable throughout the Borough, and the provisions of Section 57, 59 and 60 of the Public Health (London) Act, 1891 apply accordingly. Under the provisions of these sections 142 cases of Diarrhœa were notified throughout the whole of the Borough, 63 being under one year of age; 78 between one and five; 1 between five and fifteen. Thirty-four of such notifications related to patients in East Greenwich, 62 in West Greenwich, 26 in St. Nicholas and 20 in Charlton.

There were 28 deaths ascribed to this disease, comparing with 37 in the previous year.

WHOOPING COUGH. The order made in Nov., 1917, requiring the notification of cases of Whooping Cough, being due to expire on 31st October, 1919, this Council during the year made a further order, continuing the notification of cases of Whooping Cough until October 31st, 1921, and applying the provisions of section 57, 66 and 68 (1) (a) and (b) of the Public Health (London) Act, 1891, and accordingly under these provisions 141 cases were notified (compared with 497 in 1918), 20 being under one year of age, 62 from one to five, and 59 from five to fifteen; the districts concerned being East Greenwich, 55; West Greenwich, 55; St. Nicholas, 2, Charlton, 28, and 1 in Kidbrooke. Each of these cases was visited, and leaflets and instructions left together with verbal advice respecting the isolation and care of the patient.

EPIDEMIC CEREBRO-SPINAL MENINGITIS OR CEREBRO-SPINAL FEVER. There were 6 cases of Cerebro-Spinal Meningitis notified during the year, 5 in East Greenwich and 1 in Charlton. One of the cases removed to Hospital as suffering from Cerebro-Spinal Fever was returned as wrongly diagnosed.

ACUTE POLIO-MYELITIS OR ACUTE POLIO-ENCEPHALITIS. This disease was permanently added to the list of notifiable infectious diseases during 1914, on an order of the London County Council, approved by the Local Government Board. One case was notified during 1919. There were 2 cases in 1918, 0 in 1917 and 2 in 1916.

OPHTHALMIA NEONATORUM. During the year 20 cases of this disease have been notified, 8 being in East Greenwich, 8 in West Greenwich, 2 in St. Nicholas and 2 in Charlton.

CONTACTS. Twelve intimations were received from the Medical Officers of Health of the various Port Sanitary Authorities respecting persons who had been in contact with Small-Pox, 6 with Plague and 1 with Cholera, which were kept under observation.

POST BASAL MENINGITIS. There were 3 cases of this disease notified during the year, 1 in East Greenwich, 1 in St. Nicholas and 1 in Charlton.

MALARIA, DYSENTERY, INFLUENZA AND PNEUMONIA. These diseases were made notifiable in January, 1919. There were 73 cases of Malaria notified during the year, 4 cases of Dysentery and 101 cases of Influenza and Pneumonia.

TRENCH FEVER. One case occurring in West Greenwich was notified during the year.

During the year the undermentioned Military Discharges have been notified and visited:—

Malaria ...	...	...	...	6
Dysentery ...	...	...	...	5
				—
				11
				=

GLANDERS. Under the Glanders Order no notification has been made to this authority during the year with respect to outbreaks of Glanders.

GLANDERS, ANTHRAX AND HYDROPHOBIA. No notification of any case of these diseases in man has been received during the year.

TUBERCULOSIS. During the year there were 521 cases of Tuberculosis notified in the Borough, 300 being pulmonary cases, ordinarily known as Consumption, and 221 non-pulmonary, being Tuberculosis affecting other portions of the body than the lungs. Of this number of cases, 139 pulmonary and 99 non-pulmonary occurred in East Greenwich, 76 pulmonary and 65 non-pulmonary in West Greenwich, 30 pulmonary and 18 non-pulmonary in St. Nicholas, 52 pulmonary and 37 non-pulmonary in Charlton, and 3 pulmonary and 2 non-pulmonary in Kidbrooke. The various ages of the patients were as follows:—Pulmonary cases, under one, 0; from one to five, 2 cases; five to fifteen, 35 cases; fifteen to twenty-five, 73 cases; twenty-five to forty-five, 133 cases; forty-five to sixty-five, 52 cases; and 5 cases over sixty-five; whilst the Non-Pulmonary were: under one year of age, 4 cases; one to five, 31 cases; five to fifteen, 159 cases; fifteen to twenty-five, 17 cases; twenty-five to forty-five, 9 cases; forty-five to sixty-five, 1 case.

Two hundred and seventy-one specimens were forwarded by

medical practitioners for bacteriological investigation from patients suspected to be consumptive; 191 were reported to be negative and 80 positive.

Disinfection has been offered and carried out in 77 cases, including 94 rooms and 506 articles of bedding, etc.; disinfectant has also been supplied to patients to disinfect sputum, etc., and sputum pots where such are found necessary.

HOUSES INSPECTED AND ENQUIRIES MADE IN CONNECTION WITH INFECTIOUS DISEASE.

Number of Houses Inspected and Enquiries made	...	1,016
Number of Re-visits	... ..	3,840

One thousand two hundred and thirty-three notifications were received, the Health Visitor visiting each case, and revisiting when required.

During the year, when premises have been entered for the purpose of carrying out disinfection after cases of Infectious Disease, the following books belonging to the Libraries, etc., were destroyed:—

Central Library, 30; School Libraries, 2; Total, 32.

The following special disinfections were carried out during the year:—

March—Royal Hospital Schools, Greenwich Infirmary.

Trafalgar Quarters.

November—Sixteen Class-rooms at Maze Hill Schools.

Number of Articles and Rooms Disinfected in connection with the Undermentioned Diseases for the 53 weeks ending 3rd January, 1920.

INFECTIOUS DISEASES.	Premises Entered.	Rooms Disinfected.	Beds Disinfected.	Palllasses Disinfected.	Mattresses Disinfected.	Bolsters Disinfected.	Pillows Disinfected.	Blankets Disinfected.	Sheets Disinfected.	Cushions Disinfected.	Quilts Disinfected.	Odd Articles Disinfected.	Total No. Articles Disinfected.
Cerebro-Spinal Meningitis ...	6	8	5	3	8	6	14	17	9	...	5	18	85
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever...	400	438	303	8	127	215	633	612	68	62	266	397	2691
Diphtheria ...	191	208	5	...	4	1	9	22	6	3	6	...	56
Enteric Fever ...	11	18	13	..	5	12	32	34	18	9	12	53	188
Puerperal Fever ...	5	5	4	...	3	5	13	9	4	...	4	36	78
Tuberculosis ...	77	94	32	1	21	29	72	17	18	1	22	19	232
Other Diseases ...	58	74	30	10	41	34	82	146	10	10	12	131	506
Scabies ...	5	5	13	2	6	14	17	22	10	4	12	24	124
From Verminous Premises...	1	1	8	5	3	5	11	33	5	...	6	19	95
Polio Myelitis ...	2	2	...	...	2	1	3	1	2	...	...	1	10
Measles ...	15	15	...	...	...	...	...	...	...	...	...	...	...
TOTAL ...	771	868	413	29	220	322	886	913	150	89	345	698	4065

Number of Articles Destroyed in connection with the Undermentioned Diseases
during the 53 weeks ending 3rd January, 1920.

INFECTIOUS DISEASES.	Beds Destroyed.	Palllasses Destroyed.	Mattresses Destroyed.	Bolsters Destroyed.	Pillows Destroyed.	Blankets Destroyed.	Sheets Destroyed.	Cushions Destroyed.	Quilts Destroyed.	Odd Pieces Destroyed.	Total No. Articles Destroyed.
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	2	1	1	...	...	...	...	...	...	10	14
Diphtheria ...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever...	..	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis ...	1	1	3	2	3	...	...	...	...	8	18
Other Diseases	4	2	...	3	6	...	...	...	...	...	15
For Verminous Premises	2	2	...	1	3	...	...	...	...	...	8
TOTAL ...	9	6	4	6	12	...	...	...	..	18	55

TUBERCULOSIS DISPENSARY.

REPORT OF TUBERCULOSIS OFFICER ON THE WORKING OF THE
DISPENSARY FOR THE YEAR 1919.

I have the honour to submit the seventh report upon the work carried out at the Tuberculosis Dispensary.

New Patients examined during 1919.

Recommended by.	Males.	Females.	Children.	Total.
Private Practitioners ...	84	39	23	146
London County Council...	—	—	32	32
From Sanatoria ...	17	16	4	37
Own accord ...	20	29	112	161
Contacts ...	19	60	387	466
Other Institutions, Hos- pitals, Clinics, &c. }	3	9	17	29
	<u>143</u>	<u>153</u>	<u>575</u>	<u>871</u>

Consultative Cases.

	Males.	Females.	Children.	Total.
Insured Persons ...	160	37	—	197
Uninsured Persons ...	13	28	28	69
	<u>173</u>	<u>65</u>	<u>28</u>	<u>266</u>

	Males.	Females.	Children.	Total.
<i>Contacts</i> ...	19	60	387	466
<i>Found Tuberculous</i> ...	3	13	73	89

*Attendances.**Patients retained for Treatment.*

	Males.	Females.	Children.	Total.
Patients ...	119	126	271	516
Re-attendances ...	1259	1649	4756	7664

Patients retained for Observation.

	Males.	Females.	Children.	Total.
Patients ...	22	46	221	289
Re-attendances ...	101	352	2015	2468

Nurses Visits.

First Visits...	...	...	...	426
Re-visits ...	...	...	...	3051
				<u>3477</u>

Patients Primarily Notified from Dispensary.

Pulmonary ...	...	...	...	...	...	...	...	...	121
Other Forms ...	...	...	...	...	...	...	...	...	123
									<u>244</u>

Sputum Examination.

Negative Results ...	...	...	...	...	...	...	...	...	92
Positive ..	...	...	...	...	...	...	...	...	53
Number of Examinations									<u>145</u>

Dispensary Patients referred elsewhere.

			Males.		Females.		Children.		Total.
Sanatorium ...	...	...	22	...	13	...	11	...	46
Infirmary ...	...	...	3	...	3	...	—	...	6
Hospital ...	...	...	2	...	1	...	3	...	6
Doctors ...	...	...	5	...	9	...	—	...	14
			<u>32</u>		<u>26</u>		<u>14</u>		<u>72</u>

Suspected (Observation) Patients Discharged.

					Much Improved.		Improved.		Total.
Males ...	...	...	...	...	13	...	—	...	13
Females ...	...	...	...	...	23	...	—	...	23
Children ...	...	...	...	...	127	...	—	...	127
					<u>163</u>		<u>—</u>		<u>163</u>

Suspected (observation) Patients disposed of otherwise.

			Males.		Females.		Children.		Total.
Taken on as Patients } (Tuberculous) ... }			—	...	3	...	9	...	12
Sent to Institution (Hos- pital Convalescent } Home) ... }			2	...	2	...	—	...	4
Deaths ...	...	...	1	...	—	...	—	...	1
Left District ...	...	...	—	...	—	...	1	...	1
			<u>3</u>		<u>5</u>		<u>10</u>		<u>18</u>

Deaths of Patients during 1919.

			Males.		Females.		Children.		Total.
At Home ...	...	...	5	...	4	...	1	...	10
Infirmary ...	...	...	1	...	1	...	—	...	2
			<u>6</u>		<u>5</u>	...	<u>1</u>	...	<u>12</u>

G. H. DART,
Tuberculosis Officer

The Treatment of Advanced Cases.

The weakest point in the present scheme is still the lack of adequate institutional accommodation for advanced and failing cases.

Dental Work.

During the year arrangements were made with the British Dentists' Hospital that they should provide a qualified dental surgeon to attend on one half-day per fortnight to give dental attention to any patient certified by the Tuberculosis Officer as requiring such with a view to an improvement in their physical condition. This scheme commenced on the 8th October, since which date 35 patients have been attended by the dental surgeon.

Home of Rest for Advanced Cases.

The Interim Tuberculosis After-Care Committee for Greenwich, realising the comparative futility of the present system of discharging incurable and chronic cases to their already impoverished families and poor homes, where they act as strong foci of infection, and being of opinion that it would be far preferable to provide some suitable homely Institution in the district where they might be segregated, decided to draw the attention of this Council to this matter, asking them to take into their consideration the question of providing such an Institution. This matter received the sympathetic consideration of the Public Health Committee, and was also very sympathetically considered by the Local Government Board and London County Council, and it was hoped that a workable scheme would have resulted. Unfortunately the Council did not agree to the recommendation of the Public Health Committee, and, accordingly, these cases have still been allowed to continue as infecting foci, particularly in the poorest homes in the Borough.

An attempt was made later on to bring about a combination of the four adjoining Boroughs of Lewisham, Deptford, Greenwich and Woolwich for this same purpose. Unfortunately the combination fell through, and it now remains to be seen whether this Council, as at present constituted, will be able to make the necessary provision which is so urgently needed.

Working Centre.

The Interim Tuberculosis After-Care Committee for Greenwich, realising the difficulty that discharged Tuberculous patients experienced in finding suitable work under suitable conditions, decided to draw the attention of this Council to the matter, and suggest that a working colony might be established in connection with the Tuberculosis Dispensary. I am glad to be able to state

that this matter has received much sympathetic consideration, and a scheme is now before the Ministry of Health and the London County Council for making provision something on the following lines—

The discharged patient who is certified to be able to work, say, only half-time, will be admitted to this working centre, and there taught a new occupation, which can be carried out under fresh-air conditions. At the expiration of the half-day which he is allowed to work, he will be kept under further medical supervision for the remainder of the day in the recreation or similar room, and at the end of the week the amount that he may have earned at the new occupation will be subsidised to bring up his earnings to a standard rate of wages commensurate with the needs of his family, and as his earning power increases so the amount of the subsidy would be decreased. In this way his period of sanatorium treatment will be extended in this working centre, during which time he will have been taught a new occupation, and it is hoped that his physical condition will so much improve that he will eventually be able to work full time at this, or possibly even his old trade, providing, of course, that the physical conditions under which such work will be carried out will be satisfactory. It is proposed that the money to make up a patient's earnings to the living wage agreed upon shall be provided by the Poor Law Authority, who are very sympathetic towards the scheme, and have asked for the consent of the Ministry of Health to join in with the Borough Council in this way. It is hoped that during the current year some definite steps will have been adopted on these lines.

Day Sanatoria for Children.

The attention of the London County Council has been drawn to the necessity of making some provision of this character in this immediate neighbourhood, and it was suggested that arrangements be made for holding classes in the Greenwich Park or in other premises which had been suggested to the London County Council from time to time. Unfortunately up to the present nothing of this sort has been provided in this district.

During the year whilst I was acting as Tuberculosis Officer during the absence of the Tuberculosis Officer on military service, I was struck by the large number of cases of patients who were sent to the Dispensary, or came to the notice of the Department in other ways, in such a comparatively late stage of their illness, and on making enquiries I found that they had been under treatment, frequently for long periods of time, for vague diseases, *i.e.*, debility, anæmia, indigestion and the like, and it was only when the case became very advanced that a notification of Tuberculosis was sent in, being then very frequently accompanied by a request that immediate steps should be taken to obtain the patient's removal

to a Sanatorium. Unfortunately, in many instances, the case was too far advanced for anything of this sort to be done. It seems to me that some machinery should be provided whereby patients who are certified to be suffering from some of these vague conditions for long periods might be enabled to have a second opinion upon their case, and it is hoped that far greater use will be made in the future by medical practitioners of the services of the local Tuberculosis Officer in this respect.

MATERNITY AND CHILD WELFARE.

The following School Clinics, Health Centres, and Infant Consultations are still doing very good work in the Borough:—

L.C.C. Clinic.

Health Centre, Deptford Green.

Miss McMillan's Infant Crèche and Cleansing Station,
Wellington Street.

Albany Institute Infant Consultation, Crèche and Babies
Home.

Greenwich Borough Council's Crèche at Conduit House, 236,
Trafalgar Road.

Greenwich Borough Council's Infant Consultations and Ante-
Natal Centre.

The total attendances of Babies at our Crèche has been 2,981 whilst the figures for our Infant Consultation Centres are as follows:—

New Cases	...	...	...	...	930
Attendances	...	...	...	...	8,717
Medical Consultations	...	...	...	...	4,613

The Children are weighed at every attendance.

The number of cases attending the Ante-Natal Clinic was 94, and the number of attendances 196.

The work carried out by the Officers of this Authority at the Albany Institute, and not included in the above figures, is as follows:—

Individual babies attended Infant Consultation	134
Seen by Doctor	... .. 581 times
Weighed	... .. 1158 „
Mothers seen by Doctor...	... .. 34 „

Ante-Natal Class—

39 expectant mothers made 253 attendances

Births—First visits	...	...	...	...	343
Revisits	...	...	...	...	905
Total visits	...	...	...	...	<u>1248</u>

MILK. Eighty expectant mothers, nursing mothers and bottle-fed babies have had one pint of milk daily, for which (excepting special cases) they paid 1s. weekly, necessitating the distribution of 985 gallons of Milk. The mothers paid towards this £39 9s.

MILK SUPPLY. Seventeen thousand and thirty-eight lbs. of Dried Milk (Ambrosia, Glaxo, Cow and Gate) were purchased by the Council and disposed of to the mothers attending the Consultations, either at full or reduced rates.

During the year also about 8 cwt. Virol has been similarly distributed.

DENTAL WORK. During the year arrangements were made with the British Dentists' Hospital that they should provide a qualified dental surgeon to attend on one half-day per fortnight to give dental attention to any patient certified by the Maternity and Child Welfare Medical Officer as requiring such with a view to an improvement in their physical condition. This scheme commenced on the 8th October, since which date 40 patients have been attended by the dental surgeon and 4 dentures have been provided, the total cost of the dentures being £8 5s., of which amount the Committee have decided that the patients should pay £7.

PUERPERAL FEVER. Five cases of this disease were notified during the year, four of which unfortunately proved fatal. There did not appear to be any common source of infection amongst these cases, as they occurred in different districts and at different times all over the Borough.

OPHTHALMIA NEONATORUM. Twenty cases of this disease were notified during the year, both eyes being affected in 18 cases, and one eye only in the remaining two cases. Fortunately in no case did any permanent injury to the eye remain. Two of the children, however, died, one at four months from convulsions, and one at nine days being a prematurely born child.

Of the total number of cases, 8 occurred in East Greenwich, 8 in West Greenwich, 2 in Charlton and 2 in St. Nicholas.

MEASLES. Nine hundred and twenty-five cases of Measles were notified during the year, and 1,000 visits were paid to these cases by the different Health Visitors. Fuller details respecting the incidence of the cases will be found in the portion of this report dealing with infectious diseases generally.

NOTIFICATION OF BIRTHS ACT, 1907.

Date of adoption—17th March, 1909.

Misses Millington, Reid and Molloy have carried out the duties of Health Visitors, making the necessary visitations under the above Act, and also have dealt with the cases of Diarrhœa occurring in their districts.

There has been a rise in the Infantile Mortality in St. Nicholas and Kidbrooke, whilst East Greenwich, West Greenwich and Charlton have improved in that respect.

Visits paid in reference to Births	...	...	...	1,690
Re-visits	"	"	...	1,189
Visits	"	L.C.C. Scabies Cases	...	100
Re-visits	"	"	...	91
Visits	"	L.C.C. Verminous Complaints	32	
Revisits	"	"	25	
Visits	"	Ante-Natal Cases	...	108
Re-visits	"	"	...	2
Visits	"	Measles	...	979
Re-visits	"	"	...	21
Visits	"	Puerperal Fever	...	4
Re-visits	"	"	...	2
Visits	"	Ophthalmia Neonatorum		23
Re-visits	"	"	...	65
Visits	"	Whooping Cough	...	105
"	"	Influenza	...	41
"	"	Diarrhœa	...	149
Re-visits	"	"	...	6
Miscellaneous Enquiries made	...	...	...	240
				<hr/>
				4,872
				<hr/>

Infant Consultations, Ante-Natal Clinics, etc., attended, 439

The following table gives the number and character of the intimations respecting births in the Borough:—

	1912.	1913.	1914.	1915.	1916.	1917.	1918.	1919.
Total Number of Births notified in each year since adoption ...	2,450	2,623	2,513	2,280	2,497	1,992	1,735	2,085
(a) Attended by Midwives..	1,412	1,340	1,338	1,226	1,314	1,095	990	1,159
(b) Attended by Doctors ...	1,038	1,283	1,175	1,054	1,183	897	745	926
Number of Still Births notified in each year ...	71	53	36	42	61	47	44	59
Number of Births registered in each year ...	2,393	2,545	2,409	2,347	2,354	1,967	1,753	1,968

CHEMICAL AND BACTERIOLOGICAL WORK. The long-standing arrangement with the Bacteriological Department of the Seamen's Hospital has been in force throughout the year, whereby that Institution carried out all necessary chemical and bacteriological work for this Department, other than under the Sale of Food and Drugs Act, and in this connection 1,229 specimens have been examined for Diphtheria, 14 for Typhoid Fever, 271 for Tuberculosis, and 22 for other various.

Fuller details respecting results of the examinations of these specimens will be found under the different headings of the individual diseases.

HOUSING.

Generally speaking, the housing conditions in this Borough are very poor, there being a large number of very old properties, and a still larger number of houses of more recent erection, which, owing to the labour and material difficulties of the last few years, have been allowed to deteriorate very considerably, so much so, that a good number of them are now almost beyond repair, at any rate within any reasonable figure of cost. Along with all other districts not only in London, but also throughout the kingdom, as there have been no new houses erected during the last few years the condition of overcrowding is now considerable. In fact, in my opinion, the overcrowding in the Borough was never greater than it has been

during the past year, many cases having been brought to the notice of myself and the Public Health Committee, but definite action to abate the overcrowding was impossible on account of the lack of other vacant premises to which the overcrowded families could remove. On the coming into operation of the Housing and Town Planning Act, 1919, when a sanitary survey of the district was made, I formed the opinion that it was quite time that an official representation under the Housing of the Working Classes Act, 1890, should be made respecting several areas of the Borough, with a view to their being dealt with as unhealthy areas, and the following areas were so dealt with:—

1. Watergate Street area, including 220 premises occupied by approximately 1,200 persons.
2. Roan Street area, including 500 houses, with an approximate population of 3,000 persons, excluding in this area all properties recently thoroughly reconstructed by the Roan School Governors.
3. Thames Street area, including 325 houses, with approximately a population of 2,000 persons.
4. East Street, Charlton, area, comprising 205 houses, with an approximate population of 1,000 persons. In this area it is suggested that on the greater portions, when cleared, no further houses should be erected until the land has been considerably raised above its present level.
5. Eastney Street area, comprising 100 premises occupied by approximately 600 people.

In dealing with all these areas it is suggested that the type of buildings to be erected should be of the cottage variety, fitted up for not more than two families in each, and with due provision for a suitable garden in connection therewith, as hitherto gardening has proved very attractive and successful as fostered by the Roan School Governors' scheme.

I also estimate that there are approximately 750 new houses required to be built in order to replace old, worn-out and back-to-back houses, which should be pulled down and not rebuilt, in different parts of the Borough, viz., 200 in St. Nicholas and North-West Wards, 75 in the North and Marsh Wards, 50 in the West and South-West Wards, and 220 in Charlton, including the area No. 4 above mentioned.

These figures do not take into account any of the 200 houses required to replace the existing temporary wooden erections in various parts of the Borough.

Some portion of the overcrowding in the Borough, and particularly in the St. Nicholas district, is due to the demolition of properties by the London County Council in order to build schools, without that body having provided any rehousing accommodation for the people displaced. This privilege was accorded to the London County Council in spite of the opposition raised by this Council on the point.

HOUSES LET IN LODGINGS. There was no change in the register of these houses during 1919, for under the existing conditions of occupation it practically occurred that almost every house in the Borough was a house let in lodgings, and therefore the 247 houses already on the register were left and no additions made thereto.

With the coming into force of the Housing and Town Planning Act, 1919, the existing By-laws made by this Council became out of date, and we are waiting the coming into force of the new By-laws under that Act before this work is again vigorously undertaken.

HOUSING SCHEMES. The Council throughout a considerable portion of the year had under consideration the question of a Housing Scheme for the Borough, and, after various sites had been considered and reported upon, the Hanging Wood Lane site, Charlton, was finally decided upon. Plans and proposals are being put forward as rapidly as possible for the erection of 456 houses, five per cent. of which are to be of a type having one living room and two bedrooms, thirty per cent. to have one living room and three bedrooms, sixty per cent. one living room, parlour and three bedrooms, and five per cent. living room, parlour and four bedrooms.

Other sites have been inspected and reported upon, and steps are being taken during the current year for the acquisition of certain of these sites for housing purposes.

CONVERSION OF PREMISES. Under the Housing and Town Planning Act, provision is made whereby local authorities may acquire certain of the large and derelict houses in their district, making the necessary alterations in order to convert them to more modern tenement buildings. In this connection pressure was brought to bear upon this Council by the London Housing Board, so that this Council might hand over its powers in this respect to that Board for them to carry out the work. Giving way to this pressure in August, the necessary resolutions were passed authorising the Housing Board to act on behalf of this Council in purchasing the premises and making the necessary alterations. An official of that Board thereupon went round the district with our Borough Engineer, selecting houses which were thought to be suitable for this purpose, and deciding as to how many flats they should be

converted into. Apparently the Ministry of Health, acting through the London Housing Board in this matter, handed over the actual work to H.M. Office of Works, who in turn appear to have let the work to a contractor.

No communication was made by the contractor or the Office of Works or the Housing Board to this Department that any works were in contemplation or in progress, and it was only on our being informed by the general public that certain works were being carried out that we found that certain premises were being converted. Although the By-laws relating to such matters specifically state that notices shall be given, as a matter of fact no notices were given, nor were any satisfactory plans deposited showing the alterations to the drainage works proposed or carried out until some nine months from this date, and only then after repeated requests.

Adverse reports respecting the character of the work being carried out in connection with these conversions having reached the Council, I was directed to make an inspection of the premises in question. Thereupon I presented to the Housing Committee of this Council a report setting out the defects and illegalities which I found in connection with the work which was being carried out. This report was forwarded to the Ministry of Health for their information and observations, whereupon this Council was asked to send a deputation to discuss the subject with the Housing Board. I had the honour of being asked to attend along with the deputation, and, after having stated our objections, we were informed by the officials of the Housing Board that we were entirely in the wrong, that that Board had authority to override the Public Health (London) Act, 1891, in respect to its requirements in section 96 relating to underground rooms, and that accordingly probably I might desire to withdraw my report on the subject. This I declined to do, and asked that the matter should be referred to the Medical Department of the Ministry of Health, and that the premises should be inspected by one of their Medical Inspectors. This was done and the Medical Inspector concurred with my condemnatory report not only with regard to the technical illegalities, but also as to the unhealthiness and unwholesomeness of the rooms and premises concerned. Since that date numerous conferences have been held between the Housing Authorities and this Council concerning these illegalities and insanitary conditions, and now the whole of the premises in question have been completed on the basis of this Council waiving certain of the requirements under the Public Health (London) Act, 1891, section 96, on condition that the Ministry of Health gives this authority a letter absolving them from all liability concerning the illegalities. Accordingly the following letter has been received from the Ministry of Health upon the subject:—

MINISTRY OF HEALTH,

WHITEHALL, S.W.1,

13th May, 1920.

CONVERSION OF HOUSES.

SIR,

I am directed by the Minister of Health to enclose a statement which sets out the agreement reached at the conference held at this office on the 11th inst. The Ministry are of opinion that the arrangements now made are warranted in the special circumstances of the cases in question, particularly in view of the extreme urgency of providing additional accommodation, and they accept the responsibility for their adoption. It is understood, of course, that the special measures now adopted will not justify the Council in permitting departures from any statutory requirements in other cases.

The Minister trusts that the conference will have cleared away any misunderstandings. He is anxious, as he is sure the Council also are, that additional housing accommodation shall be completed as speedily as possible.

I am, Sir,

Your obedient Servant,

*Assistant Secretary.**The Town Clerk,**Metropolitan Borough of Greenwich.*

from which it will be seen that the Ministry of Health purports to accept responsibility for the illegal conditions now existing in tenement dwellings owned and let by this Council, the Sanitary Authority for the district, but at the same time this Council are not to permit departures from any statutory requirements in the case of other individuals desiring to make similar alterations to their premises. The material parts of the Public Health (London) Act, section 96, in question are:—

1. Any underground room which was not let or occupied separately as a dwelling before the passing of this Act shall not be so let or occupied unless it possesses the following requisites:—

(a) Unless the room is in every part thereof at least seven feet high, measured from the floor to the ceiling, and has at least three feet of its height above the surface of the street or ground adjoining or nearest to the room; provided that, if the width of the area hereinafter mentioned is not less than the

height of the room from the floor to the said surface of the street or ground, the height of the room above such surface may be less than three feet, but it shall not in any case be less than one foot, and the width of the area need not in any case be more than six feet;

(b) Unless every wall of the room is constructed with a damp course, and, if in contact with the soil, is effectually secured against dampness from that soil;

(c) Unless there is outside of and adjoining the room, and extending along the entire frontage thereof, and upwards from 6in. below the level of the floor thereof, an open area properly paved at least 4ft. wide in every part thereof; Provided that in the area there may be placed steps necessary for access to the room, and over and across such area there may be steps necessary for access to any building above the underground room, if the steps in each case be so placed as not to be over or across any external window;

(g) Unless the room is effectually secured against the rising of any effluvia or exhalation;

(j) Unless the room has a fireplace with a proper chimney or flue.

It accordingly now comes about that this Council, who are the Health Authority for the district, and presumably should set the highest example with respect to their own property, are the owners of basement dwellings and underground rooms which do not comply with some or all of the above-mentioned requirements. I am unable to state definitely, but have strong reasons to suppose that the walls in some of these premises are without proper damp courses, and that the rooms are not effectually secured against the rising of any effluvia or exhalation from the soil.

The area in front of a room marked on the plan as a bedroom, instead of having a width of 4ft. is only 2ft. 8in. The width of several other areas is also below the statutory requirements in each case.

In some cases instead of the properly paved area at the front of the room being 6in. below the floor level of the adjacent room, the area is level with the floor, but a 9in. half-round channel has been placed along the side wall from some 3in. to 6in. deep.

In one case also a room marked as bedroom on the plan has no fireplace with proper chimney or flue.

There are also two rooms in an attic which were originally marked on the plan as bedrooms, whose average height is only

5ft. 3in. This tenement, however, has been let to tenants on the understanding that these two rooms shall not be used as bedrooms.

These various reductions in the standard of sanitary conditions are much to be regretted, as, although we hold the above-mentioned absolution from the Ministry of Health concerning the matter, it will enable builders and others in the neighbourhood, when requested to put their own property into good sanitary condition, to point to our own illegal and insanitary properties.

These illegalities and irregularities are all the more remarkable when one realises that the Ministry of Health in their own Manual of Unfit Houses, volume 2, page 52, set out in detail all the conditions with which these properties should comply, and still they themselves fail in compliance therewith.

I may say that I have already received complaints in respect of one of these basement tenements as to the damp condition of the walls and rooms.

The completion of these works of conversion with the numerous letters, discussions and conferences occasioned by the absolute disregard of all sanitary rules, regulations and by-laws which was originally adopted by the Housing Board, has all occurred during the current year. It was thought better to complete the report upon the subject in this Annual Report rather than produce in this report the wholly condemnatory reports which had originally to be presented on the subject, and leave until next year the explanation as to how these matters were finally dealt with.

(55) Summary of Sanitary Work performed during
the Year 1919.

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	Total.
INSPECTIONS.					
Houses Inspected under Public Health London) Act, 1891, &c.	323	535	579	732	2169
Re-inspections, Calls made, &c.	1167	1534	2165	2591	7457
Houses let in Lodgings	8	16	...	...	24
Inspections of Bakehouses	3	45	9	43	100
„ Factories and Workshops	35	32	12	44	123
„ Outworkers' Premises ..	45	8	45	14	112
„ Slaughterhouses	14	10	5	16	45
„ Cowhouses ... ..	...	2	2	6	10
„ Stables and Yards	12	17	18	16	63
„ Piggeries	4	8	2	...	14
„ Courts and Alleys	25	14	14	16	69
„ Fields, Lanes, &c.	3	9	7	13	32
„ Urinals	7	18	13	13	51
„ Fish Curer ... ..	...	...	...	...	...
„ Gipsy Vans ... ..	...	...	1	...	1
„ Horse Slaughterhouses ...	2	3	.	3	8
„ Dairies, Cowsheds and Milkshops	3	22	27	49	101
„ Soap Boilers ... ..	...	...	...	1	1
„ Other Offensive Trades ...	...	...	...	...	...
„ Ice Works	2	1	...	...	3
„ Ice Cream Places... ..	1	50	21	...	72
„ Other places where food is prepared	16	75	43	43	177
„ Military Depôt and Quarters... ..	6	2	1	1	10
TOTAL	1676	2401	2964	3601	10642

SUMMARY OF SANITARY WORK—continued.

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	Total.
DRAINS.					
Constructed	2	2	1	7	12
Interceptor Chamber, and Fresh Air Inlet	8	7	35	11	61
Other Chambers... ..	7	2	5	3	17
Reconstructed or Repaired ...	30	17	35	7	89
Opened, Cleansed and Amended	40	52	86	98	276
Surface Drains Constructed ...	16	20	...	4	40
Traps Fixed	29	38	31	31	129
New Soil Pipes	6	7	7	5	25
Anti-Siphonage Pipes ... ..	...	...	...	1	1
Drains & Soil Pipes Ventilated	10	14	12	8	44
Drains Tested—by Smoke ..	8	67	57	49	181
" " by Water	18	24	43	44	129
Found Defective	20	39	35	25	119
Yards Drained	10	6	16	4	36
Mews and Stables Drained ...	3	...	2	1	6
Washhouses Drained ... ..	...	...	...	2	2
Forecourts Drained ... ..	...	...	...	...	...
Areas Drained	3	5	8	5	21
Cesspools Abolished ... ..	...	...	1	...	1
" Emptied ... ..	...	2	...	...	2
" Amended and Air- tight Covers ... ..	...	...	...	2	2
" Ventilated ... ..	...	...	...	1	1
WATER CLOSETS AND URINALS.					
Closets Erected ... ..	...	14	9	3	26
Sanitary Conveniences or im- provements effected to Fac- tories and Workshops ... ..	...	9	8	8	25
Pan, Traps and Water Supply furnished	16	22	23	22	83
Pans and Traps only furnished	22	7	13	18	60
Pans only furnished ... ..	...	8	7	3	18
Water Supply Apparatus pro- vided	8	2	...	11	21
Water Supply renewed... ..	36	30	22	48	136
Water Supply disconnected from Drinking Water Cistern	2	...	1	...	3
Soil Pans properly Trapped ...	...	...	4	...	4
Cleansed and Repaired... ..	19	19	20	47	105
Newly constructed or better situated ... ..	...	3	3	3	9
Ventilation Improved	1	3	4	12	20
Public-house Urinals Cleansed or Repaired	3	...	15	9	27
Other Urinals Altered	1	1	1	2	5
Repaired or Water laid on ...	17	8	...	3	28

SUMMARY OF SANITARY WORK—*continued.*

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	Total.
ASHPITS.					
Provided	53	37	86	87	263
Covers to Receptacles ... ..	...	...	...	...	...
Dust Complaints forwarded to the Surveyor	11	9	5	1	26
PAVINGS.					
Yards	11	33	49	40	133
Forecourts... ..	...	...	...	...	...
Areas ... ..	...	5	8	5	18
Washhouses ... ..	...	...	...	5	5
Mews and Stables ... ..	...	...	...	1	1
GENERAL WATER SUPPLY.					
Covers to Cisterns Adapted ...	1	...	...	1	2
Water Supply Provided ...	3	1	2	1	7
Water Fittings Amended ...	11	21	37	40	109
Cisterns Cleansed and Repaired	1	...	...	1	2
Water Services Altered so as to draw direct from main ...	...	...	1	2	3
Water Supplies Reinstated where cut off through de- fective fittings	10	5	3	13	31
Water Supplies cut off ... ..	...	...	...	...	...
Defective Water Fittings (caus- ing nuisance from dampness) repaired... ..	17	20	25	13	75
Water Supply Certificates gran- ted (Section 48) ... ..	...	...	1	...	1
OTHER IMPROVEMENTS.					
Houses Generally Repaired ...	10	18	70	83	181
Premises Cleansed, Limewashed and Repaired	34	54	28	52	168
Ventilation Improved	2	6	9	30	47
Leaky House Roofs and Gutters Repaired	66	63	113	134	376
Walls and Ceilings of Premises Cleansed throughout	28	52	73	106	259
Ditto, ditto, partially	29	49	76	61	215
Cowhouses cleansed ... ..	...	2	1	4	7
Horse Slaughterhouses cleansed	1	1	1	1	4
Ice Cream Places cleansed or improved ... ..	...	5	8	...	13
Other Places where Food is prepared ... ..	...	26	20	21	67

SUMMARY OF SANITARY WORK—*continued.*

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	Total.
OTHER NUISANCES ABATED.					
Illegal use of Underground Room Discontinued ... ..	...	...	...	...	...
Overcrowdings Abated... ..	...	10	11	3	24
Sink, Lavatory and Bath Waste Pipes Disconnected, Trapped and Amended	6	19	42	47	114
Stack Pipes Disconnected and Amended	7	8	28	20	63
Nuisances from Dampness Abated	13	34	27	44	118
Animals kept in Unfit Places Discontinued or Removed ...	...	...	...	1	1
Dung Receptacles Provided ...	...	...	1	...	1
Bakehouse Nuisances Abated...	1	21	...	17	39
Accumulations of Manure and other obnoxious matter Re- moved	9	14	16	8	47
Dampness of Walls Remedied	4	10	27	33	74
Other Nuisances, principally of Dilapidations and want of Under-floor Ventilation ...	10	21	17	11	59
Breaches of By-laws Abated ...	...	...	...	...	...
SMOKE NUISANCES.					
Observations ... ..	...	7	6	5	18
Statutory Notices served (Secs. 23 and 24) ... ..	...	...	...	...	...
FOOD AND DRUGS					
Samples taken	129	130	89	78	426
Found Adulterated	7	7	3	5	22
For Food Control Committee ...	2	...	...	...	2

SUMMARY OF SANITARY WORK—*continued.*

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.
UNWHOLESOME FOOD.	2 bushels of winkles.	2 tons of dates.	16 boxes of kippers.	384 lbs. of beef.
	65 qrs. of damaged wheat.	39 cases dates.	397 cases of dates.	1 box of mackerel.
	68 lbs. of skinless rabbits.	2 tons 1 qr. 21 lbs. of carrots.	15 lbs. of apples.	1 crate of rabbits.
		9 cases of raisins.	1 case of frozen rabbits.	4 cases of cod fish.
Voluntarily surrendered	2 barrels of unsalted herrings.	35 lbs. of mackerel.	21 lbs. of filleted haddock.	6 lbs. of corned beef.
	1 box of dates (64 lbs.).	6 boxes of smoked haddocks.	5 stone of skate.	19½ lbs. of rabbit.
			500 eggs.	20 lbs. of butter.
			24 rabbits.	1 box of dates.

SUMMARY OF SANITARY WORK—*continued.*

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	Total.
NOTICES, &c.					
Intimations served under Public Health (London) Act, 1891 (Section 3) ...	200	277	399	282	1158
Houses let in lodgings ...	...	...	...	...	...
Complaints Received ...	131	168	160	157	616
Complaints Attended to ...	131	168	160	157	616
Statutory Notices Served under Section 4 ...	33	44	38	57	172
Statutory Notices <i>re</i> Ashpit provision ...	16	11	15	16	58
Statutory Notices <i>re</i> Yard Paving ...	...	...	...	...	...
Letters Written relating to Abatement of Nuisances ...	116	257	176	200	749
Summonses Applied for and Issued ...	...	...	...	...	...
Magisterial Orders Obtained and Enforced... ..	...	...	...	...	...
Drainage Plans received and examined ...	5	6	16	16	43

BOROUGH OF GREENWICH.

Proceedings during 1919.

PREMISES.	Number of Places—				Number of Inspections, 1919.	Number of Notices, 1919.	Number of Prosecutions, 1919.
	On Register at end of 1918.	Added in 1919.	Re-moved in 1919.	On Register at end of 1919.			
Dairies— Cowsheds & Milkshops	129	10	19	120	101	...	...
Slaughterhouses ...	5	...	...	5	45	...	...
Other Offensive Trade Premises...	...	...	...	...	...	...	...
Ice Cream Premises ...	103	14	14	103	72	...	...
Registered Houses Let in Lodgings ...	247	...	...	247	24	...	...

Total number of Intimation Notices served for all purposes 1158

Overcrowding, 1919—

Number of Dwelling-rooms Overcrowded	...	...	24
Number Remedied	...	..	24
Number of Prosecutions	...	...	...

Underground Rooms—

Illegal Occupation dealt with during year	...	...	...
Number of Rooms Closed	...	...	...

Insanitary Houses—

Number Closed voluntarily under the Public Health (London) Act, 1891	...	...	...
Number Closed voluntarily under the Housing of the Working Classes Acts	...	...	...

Number of Verminous Rooms Fumigated ... 1

Number of Cleansing Baths given under Cleansing of Persons Act ... 1173

Shelter provided under Sec. 60 (4) of the Public Health (London) Act, 1891—

Number of persons accommodated during the year...	—
Number of Tenement Houses provided with Additional Water Supply	—

Number of Prosecutions ditto	—
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Inland Revenue Acts—

Number of Houses for which applications were received during year	—
--	---

Number of Tenements comprised therein	—
--	---

Number of Tenements for which Certificates were granted	—
--	---

Number of Prosecutions under By-laws under Public Health Act, 1891—

(a) For prevention of nuisance arising from snow, ice, salt, filth, &c.	—
--	---

(b) For prevention of nuisance arising from offensive matter running out of any manufactory, &c.	—
---	---

(c) For the prevention of keeping of animals in such a manner as to be injurious to health	—
---	---

(d) As to paving of yards, &c., of dwelling houses	—
---	---

(e) In connection with the removal of offensive matter, &c.	—
--	---

(f) As to cesspools and privies, removal and disposal of refuse, &c.	—
---	---

(g) For securing the cleanliness of tanks, cisterns, &c.	—
---	---

(h) With respect to water closets, earth closets, &c.	—
--	---

(i) With respect to sufficiency of water supply to water closets	—
---	---

(j) With respect to drainage, &c. (Metropolis Management Act, Sec. 202)	—
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(k) With respect to deposit of plans as to drainage, &c. (Metropolis Management Acts Amendment (By-laws) Act, 1899)	—
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Mortuaries—

Total Number of Bodies Removed131	} 132
Total Number of Infectious Bodies Removed 1	

LEGAL PROCEEDINGS, 1919.

It is a matter for satisfaction that, apart from the proceedings under the Sale of Food and Drugs Act, no other summonses were needed.



BOROUGH OF GREENWICH.

Return of Births and Deaths registered during the 13 weeks ended 29th March, 1919.

DISTRICTS.	Census Population, 1911.	Estimated Population at the middle of the year 1913.	Births registered during the 13 weeks ended 26th March, 1913.		Deaths registered during the 13 weeks ended 26th March, 1913.		AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.												RATE OF MORTALITY PER 1,000.							
	M.	F.	M.	F.	M.	F.	Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Small-Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	FEVERS.		Dysentery.	Diarrhoea.	Phthisis.	All other Forms of Tuberculosis.	Bronchitis, Pneumonia.	Heart Disease.	Cancer.	All other Diseases.	During the corresponding period previous.	During the 13 weeks ended 26th March, 1913.	During the corresponding period previous.	During the 13 weeks ended 26th March, 1913.	
															Typhoid.	Other.													
GREENWICH EAST ..	45950	49387	85	92	73	85	17	10	66	2	1	2	...	12	3	...	39	13	10	76	*	*	*	*
Do. WEST ..	92933	24438	59	41	99	58	14	9	51	2	1	9	4	47	7	10	77	*	*	*	*	
ST. NICHOLAS, DEPTFORD ..	7290	7767	26	18	12	10	2	2	9	...	...	...	...	...	...	...	...	1	...	6	1	2	12	*	*	*	*
CHARLTON ..	16910	17948	35	37	60	45	13	4	33	...	1	1	1	...	1	9	3	17	9	8	55	*	*	*	*	
KIDBROOKE ..	2875	3051	..	2	2	4	..	..	3	...	...	...	...	...	...	...	...	...	...	...	...	...	6	*	*	*	*
MILLER HOSPITAL— Resident ..	...	...	...	3	3	3	..	1	...	...	...	...	1	...	...	...	...	2	1	1	1	2	12	...	...	...	...
Non-Resident	15	5	3	..	12	
SEAMEN'S HOSPITAL— Resident ..	...	...	...	43	1	...	...	...	...	...	...	...	...	...	...	...	...	3	...	14	...	25	...	...	...	...	...
Non-Resident ..	...	...	...	28	3	...	...	...	...	...	...	...	...	...	...	...	...	5	...	5	...	18	...	...	...	...	...
GREENWICH UNION— Workhouse and Infirmary	42	23	3	5	4	1	...	2	3	2	20	3	5	32	
Resident ..	...	...	...	124	97	11	2	53	...	...	...	...	...	...	...	...	...	13	...	65	5	10	125	...	...	...	...
Non-Resident ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
HERBERT HOSPITAL— Resident ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Non-Resident ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
M.A.B. BROOK HOSPITAL— Resident ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Non-Resident ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COTTAGE HOSPITAL— Resident ..	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Non-Resident ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MANNA MEAD, The Grove Resident ..	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Non-Resident ..	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ROYAL HOSPITAL SCHOOL— Resident ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Non-Resident ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
OUTSIDE INSTITUTIONS— Resident	34	24	5	5	7	4	1	2	1	7	6	5	1	2	52	
BOROUGH	95968	102591	205	190	395	246	202	46	25	162	...	1	1	4	1	...	1	2	2	31	10	109	30	30	226
Rate per 1,000 of Estimated Population	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	



BOROUGH OF GREENWICH.

Return of Births and Deaths registered during the 13 weeks ended 28th June, 1919.

DISTRICTS.	Census Population, 1911.	Estimated Population at the middle of the year 1910.	Births registered during the 13 weeks ended 28th June, 1910.		Deaths registered during the 13 weeks ended 28th June, 1910.		AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.										All other Forms of Tuberculosis.	Pneumonia.	Heart Disease.	Cancer.	All other Diseases.	RATE OF MORTALITY PER 1,000.			
							Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Small-Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	FEVER.		Dysentery.	Diarrhoea.										
															Typhoid.	Other.												
																			All Causes.						Seven Zymotica			
				During the corresponding period previous.		During the 13 weeks ended 28th June, 1910.		During the corresponding period previous.		During the 13 weeks ended 28th June, 1910.																		
GREENWICH EAST	45960	49387	97	102	62	54	10	7	36			1	4		1		1	15	3	11	8	20	52	*	*	*	*	
DO. WEST	92933	24438	53	51	57	39	18	4	24			1		1				16	3	21	4	9	41	*	*	*	*	
ST. NICHOLAS, DEPTFORD	7290	7767	21	18	16	8	7	2	5			1			1		1	5	1	6	1	2	6	*	*	*	*	
CHARLTON	16910	17948	31	30	32	14	4	1	17		1				1			3	2	8	7	7	17	*	*	*	*	
KIDBROOKE MILLER HOSPITAL—Resident	2875	3051	1	3	2	3	1		3								1		1	1			2	*	*	*	*	
Non-Resident					4	3			1								1		1	1		1	4					
SEAMEN'S HOSPITAL—Resident					9	9	1		2	1									1	1	3	1	12					
Non-Resident					20	0			1									7		3	1	3	6					
GREENWICH UNION—Workhouse and Infirmary Resident					23	21			8									6	2	2	4	3	6					
Non-Resident					65	63			3	9	38					2		14	4	21	2	11	72					
HERBERT HOSPITAL—Resident																												
Non-Resident																												
M.A.B. BROOK HOSPITAL—Resident																												
Non-Resident																												
COTTAGE HOSPITAL—Resident																												
Non-Resident						3															1		2					
MANNA MEAD, The Grove Resident						1			1														1					
Non-Resident						1			1														1					
ROYAL HOSPITAL SCHOOL—Resident																												
Non-Resident																												
OUTSIDE INSTITUTIONS—Resident					27	22	4	3	6			2	4	1	1	2		4	4	2	2	7	20					
BOROUGH	95968	102591	203	204	169	118	40	14	85		1	3	4	1	1	2	3	39	10	47	20	38	118					
Rate per 1,000 of Estimated Population																												

Return of Births and Deaths registered during the 13 weeks ended 27th September, 1919.

DISTRICTS.	Census Population, 1911.	Estimated Population at the middle of the year 1913.	Births registered during the 13 weeks ended 27th September, 1913.		Deaths registered during the 13 weeks ended 27th September, 1913.		AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.								All other Forms of Tuberculosis.	Phthisis.	Bronchitis, Pneumonia.	Heart Disease.	Cancer.	All other Diseases.	RATE OF MORTALITY PER 1,000.												
			M.	F.	M.	F.	Under 1 year.	Over 1 and under 6 years.	Persons aged 65 years and upwards.	Small-Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	FEVERS.		Diarrhoea.							During the corresponding year previous.	During the 13 weeks ended 27th September, 1913.	During the corresponding year previous.	During the 13 weeks ended 27th September, 1913.	During the corresponding year previous.	During the 13 weeks ended 27th September, 1913.	All Causes.		Seven Zymotics				
															Typhoid.	Other.														Dysentery.	During the corresponding year previous.	During the 13 weeks ended 27th September, 1913.	During the corresponding year previous.	During the 13 weeks ended 27th September, 1913.		
GREENWICH EAST ...	45900	46387	121	107	63	55	19	3	34	...	...	...	12	...	2	...	6	11	2	7	12	14	62	*	*	*	*						
Do. WEST ...	22933	24438	64	46	45	24	7	3	19	...	1	...	1	...	1	...	1	11	4	7	5	11	26	*	*	*	*									
ST. NICHOLAS, DEPTFORD ...	7290	7767	18	21	9	10	3	4	3	...	3	...	...	...	...	...	3	1	...	1	1	4	6	*	*	*	*				
CHARLTON ...	16910	17948	39	36	20	13	3	2	13	...	...	...	12	...	...	...	1	6	1	2	3	3	15	*	*	*	*			
KID BROOKE MILLER HOSPITAL—Resident ...	2875	3051	2	4	2	1	1	...	1	...	...	...	...	...	...	...	...	1	...	...	1	...	1	*	*	*	*
Non-Resident ...	...	...	...	...	1	7	1	...	...	...	...	...	...	...	...	...	2	...	...	1	12	12	1	...	...	...	...					
SEAMEN'S HOSPITAL—Resident ...	...	...	...	...	12	5	...	...	1	...	...	...	...	...	...	...	1	3	1	1	12	12	1	...	...	...	...					
Non-Resident ...	...	...	...	...	20	0	...	...	1	...	...	...	...	...	...	...	...	7	1	1	2	2	7	...	...	...	...					
GREENWICH UNION—Workhouse and Infirmary Resident ...	...	...	...	...	17	0	...	...	...	...	...	...	...	...	...	1	1	2	1	...	...	2	...	...	...	...	...				
Non-Resident ...	...	...	...	...	34	22	7	1	11	...	...	...	...	...	...	...	3	...	...	5	4	11	20	...	...	...	...					
HERBERT HOSPITAL—Resident ...	...	...	...	...	53	59	8	1	31	...	...	...	...	...	...	...	8	5	12	9	3	16	79	...	...	...	...					
Non-Resident ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
M.A.B. BROOK HOSPITAL—Resident ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Non-Resident ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COTTAGE HOSPITAL—Resident ...	...	...	...	...	1	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...					
Non-Resident ...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...					
MANNA MEAD, The Grove Resident ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Non-Resident ...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ROYAL HOSPITAL SCHOOL Resident ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...					
Non-Resident ...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...					
OUTSIDE INSTITUTIONS—Resident	20	18	3	3	3	1	2	...	1	7	1	4	1	6	15								
BOROUGH ...	95968	102591	244	214	139	103	33	12	70	...	4	...	1	5	...	3	...	11	30	7	17	22	32	110								
Rate per 1,000 of Estimated Population	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								

Return of Births and Deaths registered during the 14 weeks ended 3rd January, 1920.

[illegible]

BOROUGH OF GREENWICH

Return of Births and Deaths registered during the 53 weeks ended 3rd January, 1920.

DISTRICTS.	Census Population, 1911	Estimated Population at the middle of the year.	Births registered during the 53 weeks ended 3rd P. January, 1920.	Deaths registered during the 53 weeks ended 3rd P. January, 1920.	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.											RATE OF MORTALITY PER 1,000.								
					Under 1 year.	Over 1 and under 5 years.	Persons aged 55 years and upwards.	Small-Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	FEVERS.		Dysentery.	Diarrhoea.	Typhoid.	All other Forms of Typho-colic.	Bronchitis.	Pneumonia.	Heart Disease.	Cancer.	All other Diseases.	All Causes.		Seven Zymotics.	
													Typhoid.	Other.										During the corresponding period of the year previous.	During the 53 weeks ended 3rd January, 1920.	During the corresponding period of the year previous.	During the 53 weeks ended 3rd January, 1920.
GREENWICH EAST	45900	49387	465 453	271 261	65	28	160	...	1	2	7	5	1	5	2	13	51	10	72	51	67	245	16.01	10.77	1.78	.71	
DO. WEST	22933	24438	265 231	290 171	61	25	123	...	5	1	5	2	1	3	...	6	56	12	98	31	41	200	26.03	18.86	2.01	.92	
ST. NICHOLAS, DEPTFORD	7290	7767	110 94	65 54	31	13	26	...	5	3	1	...	1	...	6	12	3	20	8	9	51	24.45	15.32	2.06	1.72		
CHARLTON	16910	17949	167 164	141 98	28	9	80	...	2	1	2	2	...	3	...	2	21	7	36	28	21	114	20.42	13.36	1.1	.65	
KIDBROOKE	2875	3051	4 15	9 12	2	...	10	...	...	...	...	...	...	...	1	1	1	1	1	2	14	10.50	6.88	.37	.32	
MILLER HOSPITAL—Resident	...	...	...	16 14	2	1	1	...	...	...	1	...	...	...	2	1	...	5	5	3	4	15	...	...	...	...
Non-Resident	...	...	...	47 25	...	...	...	...	...	...	...	...	...	...	1	5	...	6	4	8	44	...	...	...	...
SEAMEN'S HOSPITAL—Resident	...	...	...	117 1	...	2	...	...	...	...	...	...	...	...	...	29	2	24	8	8	47	...	...	...	...
Non-Resident	...	...	...	82 3	...	...	...	...	...	...	...	...	...	1	1	1	18	4	8	5	8	39	...	...	...	...
GREENWICH UNION—Workhouse and Infirmary	...	...	...	140 105	28	15	45	...	1	...	1	...	...	2	...	14	20	9	46	16	31	107	...	...	...	...
Resident	...	...	...	324 279	...	...	...	...	...	...	...	...	...	4	...	13	40	8	126	20	54	336	...	...	...	...
Non-Resident	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
HERBERT HOSPITAL—Resident	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Non-Resident	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
M.A.B. BROOK HOSPITAL—Resident	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Non-Resident	...	...	...	4 3	1	3	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COTTAGE HOSPITAL—Resident	...	...	...	2 2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2	...	...	...	...
Non-Resident	...	...	...	1 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	4	...	...	...	...
MANNA MEAD, The Grove	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Resident	...	...	...	3 4	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...
Non-Resident	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ROYAL HOSPITAL SCHOOL	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Resident	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Non-Resident	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
OUTSIDE INSTITUTIONS—Resident	...	...	...	108 94	21	18	26	...	...	5	12	1	2	7	2	3	20	13	15	11	23	88	...	...	...	...
BOROUGH	95968	102591	1011 957 1968	776 596 1372	187	75	429	...	13	7	15	9	2	12	2	28	141	33	227	119	140	624	19.16	13.15	1.70	.84	
Rate per 1,000 of Estimated Population	...	...	...	...	...	...	...	0.00	.12	.06	.14	.08	.01	.11	.01	.26	1.36	.32	2.20	1.16	1.36	6.08	19.16	13.15	1.70	.84

Deaths of Children under one year per 1,000 births

"	"	"	{ previous corresponding period
"	"	"	
			County of London ..

Death Rate of 97 large English Towns ...	13·8;	of the County of London ...	13·4
Birth Rate " "	20·08;	" "	18·3

BOROUGH OF GREENWICH.

Causes of, and Ages at, Death during the 13 weeks ending
29th March, 1919.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT (AT SUBJOINED AGES).									DEATHS IN LOCALITIES (AT ALL AGES).					DEATHS IN PUBLIC INSTITUTIONS.								Total Deaths in Public Institutions in the District.
	All Ages.	Under 1.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	Greenwich East.	Greenwich West.	St. Nicholas, Deptford.	Charlton.	Kidbrooke.	G.U. Workhouse and Infirmary.	Seamen's Hospital.	Miller Hospital.	Herbert Military Hospital.	Brook Hospital, M.A.B.	Cottage Hospital.	"Manna Mend," The Grove.	Outside Institutions.	
All causes } Certified	448	46	12	13	20	30	83	82	162	158	157	22	105	6	65	44	6	...	...	1	...	58	389
} Uncertified .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Small-Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	1	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	1	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Whooping Cough	1	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria and Croup	4	...	...	3	1	...	...	...	...	2	2	...	...	...	...	...	...	...	...	...	...	4	1
Influenza	67	1	2	1	2	11	31	10	9	15	31	1	17	3	2	22	1	...	...	...	...	5	55
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal Fever	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	1
Dysentery	2	...	...	...	...	...	1	1	...	2	...	...	...	...	...	...	...	...	...	...	...	2	...
Phthisis (Pul. Tuberculosis)	31	...	...	...	...	6	14	7	4	12	9	1	9	...	3	3	...	...	...	...	...	7	26
Tuberculous Meningitis	5	...	...	1	2	1	1	...	...	1	1	...	3	...	...	...	...	...	...	...	...	4	1
Other Tuberculous Diseases	5	1	1	1	...	...	1	...	1	2	3	...	...	...	2	...	...	...	...	...	...	2	2
Rheumatic Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cancer, malignant disease	30	...	...	...	...	...	1	12	17	10	10	2	8	...	5	2	...	...	...	...	...	3	22
Bronchitis	49	3	1	2	1	...	2	12	28	17	19	5	8	...	12	...	...	...	...	...	...	3	45
Broncho-Pneumonia	43	7	5	3	2	2	13	8	3	12	24	...	7	...	3	14	...	...	...	...	...	...	30
Pneumonia (all other forms)	17	2	2	1	3	3	2	3	1	10	4	1	2	...	5	...	1	...	...	1	...	2	32
Other Diseases of Respiratory Organs	4	...	...	1	1	1	...	...	1	2	2	...	...	...	2	...	...	...	...	...	...	1	3
Diarrhoea & Enteritis	2	2	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	1	2
Appendicitis and Typhlitis	2	...	...	...	...	1	...	...	1	2	...	...	...	...	1	...	...	...	...	...	...	...	1
Alcoholism	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cirrhosis of Liver	1	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Nephritis & Bright's Disease	8	...	...	...	...	...	1	3	4	4	3	1	...	...	1	1	...	...	...	...	...	1	6
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Accidents and Diseases of Pregnancy and Parturition	3	...	...	...	...	1	2	...	...	2	1	...	...	...	...	...	1	...	...	...	...	1	2
Congenital Debility and Malformation, including Premature Birth	21	21	...	...	...	...	...	...	...	8	5	1	7	...	4	...	...	...	...	...	...	...	14
Violent Deaths, excluding Suicide	8	2	...	...	...	...	1	2	3	7	...	...	1	...	2	...	...	...	...	...	...	1	11
Suicides	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Heart Disease	30	...	...	...	...	1	3	8	18	13	7	1	9	...	3	...	...	...	...	...	...	1	9
Other Defined Diseases	112	6	1	...	5	3	10	15	72	36	34	9	30	3	20	2	3	...	...	...	...	19	126
Diseases ill-defined or unknown	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	448	46	12	13	20	30	83	82	162	158	157	22	105	6	65	44	6	...	...	1	...	58	389

BOROUGH OF GREENWICH.

Causes of, and Ages at, Death during the 13 weeks ending
28th June, 1919.

CAUSES OF DEATH.		DEATHS IN WHOLE DISTRICT (AT SUBJOINED AGES).								DEATHS IN LOCALITIES (AT ALL AGES).					DEATHS IN PUBLIC INSTITUTIONS.								Total Deaths in Public Institutions in the District.	
		All Ages.	Under 1.	1 and under 2.	2 and under 3.	3 and under 4.	4 and under 5.	5 and under 6.	6 and upwards.	Greenwich East.	Greenwich West.	St. Nicholas, Deptford.	Charlton.	Kidbrooke.	G. U. Workhouse and Infirmary.	Seamen's Hospital.	Miller Hospital.	Herbert Military Hospital.	Brook Hospital, M. A. B.	Cottage Hospital.	"Manna Mead," The Grove.	Outside Institutions.		
All causes	Certified	287	40	6	8	20	27	45	56	85	116	96	24	46	5	44	20	7	1	49	245
	Uncertified...
Enteric Fever		1	1	1	1	...
Small-Pox	
Measles		1	...	1	1
Scarlet Fever		3	2	1	1	1	1	2	...
Whooping Cough		1	1	1	1	...
Diphtheria and Croup		4	2	2	4	4	...
Influenza		13	...	...	...	2	2	3	5	1	6	5	1	1	...	...	3	...	...	...	...	1	6
Erysipelas	
Cerebro-Spinal Fever		2	1	...	...	...	1	...	...	...	...	...	1	1	...	...	...	...	...	...	...	2	...
Dysentery	
Phthisis (Pul. Tuberculosis)		39	...	...	1	2	13	15	7	1	15	16	5	3	...	8	7	1	...	...	...	4	36
Tuberculous Meningitis		7	2	1	3	1	...	...	...	...	3	2	1	1	...	3	...	...	...	...	...	2	6
Other Tuberculous Diseases		3	2	...	...	1	...	...	...	...	...	1	...	1	1	1	...	...	...	...	...	2	5
Rheumatic Fever	
Cancer, malignant disease		38	...	...	...	...	...	6	16	16	20	9	2	7	...	5	3	1	...	...	...	7	24
Bronchitis		26	3	1	...	...	...	2	2	18	7	9	5	5	...	10	...	...	...	...	...	1	28
Broncho-Pneumonia		11	5	...	...	...	...	4	...	2	2	7	1	...	1	1	2	...	...	...	...	1	7
Pneumonia (all other forms)		10	2	...	1	...	...	3	3	1	2	5	...	3	...	1	1	1	...	...	...	...	5
Other Diseases of Respiratory Organs		2	...	...	...	1	...	...	1	...	1	1	...	...	...	...	...	...	...	...	...	1	1
Diarrhoea & Enteritis...		3	2	1	...	1	...	1	...	1
Appendicitis and Typhlitis		1	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2
Alcoholism	
Cirrhosis of Liver	
Nephritis & Bright's Disease		8	...	...	...	...	...	1	4	3	4	3	1	...	...	...	1	...	...	...	...	4	8
Puerperal Fever		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Other Accidents and Diseases of Preg- nancy and Partu- rition		2	...	...	...	...	1	1	...	...	2	...	...	...	...	...	...	...	...	...	...	1	1
Congenital Debility and Malformation, including Prema- ture Birth		17	16	1	...	...	...	...	...	...	6	8	2	1	...	2	...	...	...	...	...	1	3
Violent Deaths, excluding Suicide		12	2	2	1	1	3	1	2	...	4	3	1	4	...	...	1	1	...	...	...	2	12
Suicides		1	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	1	2
Heart Disease		20	...	...	...	3	3	2	4	8	8	4	1	7	...	2	1	...	...	...	...	2	15
Other Defined Diseases		62	4	4	2	7	10	35	28	21	1	10	2	11	1	3	1	9	82
Diseases ill-defined or unknown	
		287	40	6	8	20	27	45	56	85	116	96	24	46	5	44	20	7	1	49	245

BOROUGH OF GREENWICH.

Causes of, and Ages at, Death during the 13 weeks ending
27th September, 1919.

CAUSES OF DEATH.		DEATHS IN WHOLE DISTRICT (AT SURJOINED AGES).								DEATHS IN LOCALITIES (AT ALL AGES).					DEATHS IN PUBLIC INSTITUTIONS.								Total Deaths in Public Institutions in the District.		
		All Ages.	Under 1.	1 and under 2.	2 and under 3.	3 and under 4.	4 and under 5.	5 and under 6.	6 and upwards.	Greenwich East.	Greenwich West.	St. Nicholas, Deptford.	Charlton.	Kidbrooke.	G.U. Workhouse and Infirmary.	Seamen's Hospital.	Miller Hospital.	Herbert Military Hospital.	Brook Hospital, M.A.B.	Cottage Hospital.	"Mamma Mead," The Grove.	Outside Institutions.			
All causes	Certified	242	33	8	4	13	18	38	58	70	118	69	19	33	3	56	20	8	...	...	1	...	38	235
	Uncertified .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Small-Pox		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles		...	4	...	2	2	...	...	...	...	...	1	3	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough		...	5	4	...	...	1	...	...	...	2	1	...	2	...	...	...	...	...	...	...	...	...	...
Diphtheria and Croup		...	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...
Influenza		...	1	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal Fever		...	2	...	1	...	1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	2	...
Dysentery		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Phthisis (Pul. Tuberculosis)		...	30	...	...	...	9	16	5	...	11	11	1	6	1	2	7	...	...	...	...	7	22	...
Tuberculous Meningitis		...	3	1	...	...	1	1	...	...	1	1	...	1	...	...	1	...	...	...	...	1	1	...
Other Tuberculous Diseases		...	4	1	...	...	...	2	1	...	1	3	...	...	...	2	...	...	...	...	...	...	5	...
Rheumatic Fever		...	1	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Cancer, malignant disease		...	32	...	...	...	...	3	19	10	14	11	4	3	...	11	2	2	...	...	...	6	33	...
Bronchitis		...	7	...	...	...	...	1	3	3	2	4	...	1	...	3	1	...	...	...	...	2	13	...
Broncho-Pneumonia		...	3	...	1	2	...	...	...	...	...	1	1	1	...	1	...	...	...	...	...	1	1	...
Pneumonia (all other forms)		...	7	...	...	...	...	1	4	2	5	2	...	...	...	1	...	1	...	...	...	1	3	...
Other Diseases of Respiratory Organs		...	2	...	...	...	...	...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea & Enteritis...		...	11	8	1	...	2	...	...	...	6	1	3	1	...	3	...	2	...	...	...	1	15	...
Appendicitis and Typhlitis		...	2	...	...	1	...	...	1	...	2	...	...	...	...	...	1	...	...	...	...	1	2	...
Alcoholism		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cirrhosis of Liver		...	1	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	1	1	...
Nephritis & Bright's Disease		...	7	...	...	...	...	3	1	3	4	2	...	1	...	4	...	...	...	...	...	...	13	...
Puerperal Fever		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Accidents and Diseases of Preg- nancy and Partu- rition		...	2	...	...	...	...	2	...	...	1	...	1	...	...	...	1	...	...	...	...	...	1	...
Congenital Debility and Malformation, including Premature Birth		...	11	9	1	...	1	...	...	...	10	1	...	...	1	...	...	...	...	...	...	1	3	...
Violent Deaths, excluding Suicide		...	9	3	2	...	...	1	...	2	1	4	2	...	2	1	...	2	...	...	...	1	10	...
Suicides		...	5	...	...	...	1	1	2	1	4	1	...	...	...	1	...	...	...	...	...	2	8	...
Heart Disease		...	22	...	...	1	2	1	7	11	12	5	1	3	1	4	2	2	...	...	...	1	11	...
Other Defined Diseases		...	70	6	...	4	4	8	11	37	33	20	6	11	...	23	4	...	...	1	...	9	92	...
Diseases ill-defined or unknown		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	242	33	8	4	13	18	38	58	70	118	69	19	33	3	56	20	8	1	...	38	235

BOROUGH OF GREENWICH.

Causes of, and Ages at, Death during the 14 weeks ending
3rd January, 1920.

CAUSES OF DEATH.		DEATHS IN WHOLE DISTRICT (AT SUBJOINED AGES).									DEATHS IN LOCALITIES (AT ALL AGES).					DEATHS IN PUBLIC INSTITUTIONS.								Total Deaths in Public Institutions in the District
		All Ages.	Under 1.	1 and under 2.	2 and under 3.	3 and under 4.	4 and under 5.	5 and under 6.	6 and under 7.	7 and upwards.	Greenwich East.	Greenwich West.	St. Nicholas, Deptford.	Charlton.	Kidbrooke.	G.O. Workhouse and Infirmary.	Seamen's Hospital.	Miller Hospital.	Herbert Military Hospital.	Brook Hospital, M.A.B.	Cottage Hospital.	"Manna Moat," The Grove.	Outside Institutions.	
All causes	Certified	395	68	11	13	15	15	59	102	112	140	139	54	55	7	80	34	9	...	1	2	2	57	309
	Uncertified	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever		1	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...
Small-Pox		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles		7	1	3	2	1	...	...	...	...	1	4	2	...	...	...	...	...	...	...	...	...	...	1
Scarlet Fever		3	...	...	2	1	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	3	...
Whooping Cough		2	1	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria and Croup		6	...	...	4	2	...	...	...	...	1	2	1	2	...	...	...	...	...	1	...	...	3	9
Influenza		3	1	...	...	...	...	...	1	1	3	...	...	...	...	...	...	...	...	...	...	...	...	1
Erysipelas		2	...	...	...	...	...	1	...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal Fever		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis (Pul. Tuberculosis)		41	...	...	1	1	4	22	13	...	13	20	5	3	...	7	12	...	...	...	...	...	2	99
Tuberculous Meningitis		2	1	...	1	...	...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...	2
Other Tuberculous Diseases		4	...	...	...	...	...	2	1	1	...	1	2	1	...	1	...	...	...	...	...	...	2	4
Rheumatic Fever		2	...	...	...	...	...	...	2	...	1	1	...	...	...	...	...	...	...	...	...	...	...	1
Cancer, malignant disease		40	...	...	...	...	...	4	23	13	23	11	1	3	2	10	1	1	...	...	...	1	7	35
Bronchitis		32	7	1	...	...	...	1	9	14	11	13	4	4	...	6	2	1	...	...	...	...	2	34
Broncho-Pneumonia		11	4	1	1	...	...	...	1	4	2	5	1	3	...	1	1	...	...	...	...	...	2	6
Pneumonia (all other forms)		11	1	...	...	3	2	2	3	...	2	5	2	2	...	2	3	1	...	...	...	...	...	12
Other Diseases of Respiratory Organs		2	...	...	...	...	...	1	...	1	...	1	...	...	1	...	1	...	...	...	...	...	...	1
Diarrhoea & Enteritis		12	8	4	...	...	...	...	...	...	6	4	2	...	...	11	...	...	...	...	...	...	1	14
Appendicitis and Typhlitis		1	...	...	...	...	...	...	...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	3
Alcoholism		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cirrhosis of Liver		1	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2
Nephritis & Bright's Disease		12	...	...	...	...	...	2	7	3	5	2	3	1	1	5	1	...	...	...	...	...	1	18
Puerperal Fever		4	...	...	...	...	1	3	...	...	2	1	...	1	...	2	...	...	...	...	...	...	2	3
Other Accidents and Diseases of Preg- nancy and Partu- rition		2	...	...	...	...	...	2	...	...	...	...	...	2	...	...	...	...	...	...	...	...	1	...
Congenital Debility and Malformation, including Premature Birth		30	30	...	...	...	...	...	...	...	4	12	8	6	...	2	...	...	...	...	...	...	4	6
Violent Deaths, excluding Suicide		11	...	...	1	3	1	3	1	2	2	3	2	3	1	...	1	...	...	...	1	...	4	11
Suicides		4	...	...	...	...	3	1	...	...	1	1	...	1	1	...	...	...	...	...	...	...	...	2
Heart Disease		47	...	...	...	...	3	6	23	15	18	15	5	9	...	7	5	1	...	...	1	...	7	23
Other Defined Diseases		102	14	1	1	4	1	8	17	56	38	37	14	12	1	25	6	5	...	...	...	1	15	92
Diseases ill-defined or unknown		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		395	68	11	13	15	15	59	102	112	140	139	54	55	7	80	34	9	...	1	2	2	57	309

BOROUGH OF GREENWICH.

Causes of, and Ages at, Death during the 53 weeks ending
3rd January, 1920.

CAUSES OF DEATH.		DEATHS IN WHOLE DISTRICT (AT SUBJOINED AGES).									DEATHS IN LOCALITIES (AT ALL AGES).						DEATHS IN PUBLIC INSTITUTIONS.								Total Deaths in Public Institutions in the District.
		All Ages.	Under 1.	1 and under 2.	2 and under 3.	3 and under 4.	4 and under 5.	5 and under 6.	6 and upwards.	Greenwich East.	Greenwich West.	St. Nicholas, Deptford.	Charlton.	Kidbrooke.	G. U. Workhouse and Infirmary.	Seamen's Hospital.	Miller Hospital.	Herbert Military Hospital.	Brook Hospital, M.A.B.	Cottage Hospital.	"Manna Mead," The Grove.	Outside Institutions.			
All causes	Certified	1372	187	37	38	68	90	225	298	429	532	461	119	239	21	245	118	30	...	1	4	3	202	1178	
	Uncertified...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever		2	...	...	...	...	1	1	...	...	1	1	...	...	...	...	...	...	...	...	...	...	2	...
Small-Pox		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles		13	1	6	4	2	...	...	...	...	1	5	5	2	...	...	...	...	...	...	...	...	1	...
Scarlet Fever		7	...	...	2	4	1	...	...	...	2	1	3	1	...	...	...	...	...	...	...	...	5	...
Whooping Cough		9	6	1	...	2	...	...	...	...	5	2	...	2	...	...	...	...	...	...	...	...	1	...
Diphtheria and Croup		15	1	...	9	5	...	...	...	...	7	5	1	2	...	...	...	...	...	1	...	...	12	10
Influenza		84	2	2	1	4	13	34	17	11	25	36	2	18	3	2	25	1	...	...	...	...	6	62
Erysipelas		2	...	...	...	...	...	1	...	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal Fever		5	2	1	...	1	1	...	...	...	2	...	1	2	...	...	...	...	...	...	...	...	5	1
Dysentery		2	...	...	...	...	...	1	1	...	2	...	...	...	...	...	...	...	...	...	...	...	2	1
Phthisis (Pul. Tuberculosis)		141	...	...	2	3	32	67	32	5	51	56	12	21	1	20	29	1	...	...	...	...	20	113
Tuberculous Meningitis		17	4	1	5	4	2	1	...	...	7	4	1	5	...	4	1	...	...	...	...	...	7	10
Other Tuberculous Diseases		16	4	1	1	1	...	5	2	2	3	8	2	2	1	5	1	...	...	...	...	...	6	16
Rheumatic Fever		3	...	...	...	1	...	...	2	...	1	2	...	...	...	...	...	...	...	...	...	...	...	1
Cancer, malignant disease		140	...	...	...	...	...	14	70	56	67	41	9	21	2	31	8	4	...	...	...	1	23	114
Bronchitis		114	13	3	2	1	...	6	26	63	37	45	14	18	...	31	3	1	...	...	...	...	8	120
Broncho-Pneumonia		68	16	7	6	2	2	17	9	9	16	37	3	11	1	6	17	...	...	...	...	...	4	44
Pneumonia (all other forms)		45	5	2	2	6	5	8	13	4	19	16	3	7	...	9	4	4	...	...	1	...	3	52
Other Diseases of Respiratory Organs		10	...	...	1	2	1	1	1	4	5	4	...	...	1	2	1	...	...	...	...	...	2	5
Diarrhoea & Enteritis...		28	20	5	...	2	...	...	1	...	13	6	6	2	1	14	...	2	...	...	...	...	3	31
Appendicitis and Typhlitis		6	...	...	...	2	1	...	1	2	5	...	...	1	...	2	1	...	...	...	...	...	1	8
Alcoholism		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cirrhosis of Liver		3	...	...	...	...	...	...	3	...	1	1	...	1	...	...	...	...	...	...	...	...	1	3
Nephritis & Bright's Disease		35	...	...	...	...	...	7	15	13	17	10	5	2	1	10	3	...	...	...	...	...	6	45
Puerperal Fever		4	...	...	...	...	1	3	...	...	2	1	...	1	...	2	...	...	...	...	...	...	2	5
Other Accidents and Diseases of Pregnancy and Parturition		9	...	...	...	...	2	7	...	...	5	1	...	3	...	...	2	...	...	...	...	...	3	4
Congenital Debility and Malformation, including Premature Birth		79	76	2	...	1	...	...	...	...	28	26	11	14	...	9	...	...	...	...	...	...	6	26
Violent Deaths, excluding Suicide		40	7	4	2	4	5	5	7	6	17	8	3	10	2	2	4	1	...	...	1	...	8	44
Suicides		10	...	...	...	...	4	2	3	1	6	2	...	1	1	1	...	...	...	...	...	...	3	12
Heart Disease		119	...	...	...	4	9	12	42	52	51	31	8	28	1	16	8	3	...	...	1	...	11	58
Other Defined Diseases		346	30	2	1	17	10	33	53	200	135	112	30	63	6	79	13	11	...	...	1	2	52	392
Diseases ill-defined or unknown		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		1372	187	37	38	68	90	225	298	429	532	461	119	239	21	245	118	30	...	1	4	3	202	1178	

BOROUGH OF GREENWICH.

Cases of Infectious Disease notified during the 13 weeks ending March 29th, 1919.

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.							GREENWICH EAST.	GREENWICH WEST.	ST. NICHOLAS, DEPTFORD.	CHARLTON.	KIDBROOKE.*	GREENWICH EAST.	GREENWICH WEST.	ST. NICHOLAS, DEPTFORD.	CHARLTON.	KIDBROOKE.*	TOTAL.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.											
Chicken-pox	33	5	13	15	...	...	...	...	6	10	5	11	1	...	...	...	...	...	...
Cholera ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	99	...	12	77	9	1	...	...	16	68	...	15	...	12	52	...	13	...	77
Mem. Croup ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	8	1	...	...	1	4	1	1	2	3	2	1	...	...	1	1	...	...	2
Scarlet Fever	54	...	11	36	7	...	...	...	25	13	6	9	1	19	14	4	9	1	47
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	1	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Malaria Fever	6	...	...	...	1	5	...	...	1	3	2	...	...	...	...	...	...	...	...
Continued Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	1	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	1	...	1
Cerebro-Spinal Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	134	4	32	92	3	3	...	...	57	16	5	55	1	...	...	...	...	...	...
Whooping Cough	16	2	7	7	...	...	...	...	13	...	...	3	...	5	...	...	...	...	5
Diarrhœa ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum	3	3	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...
Tuberculosis, Pulmonary	78	...	1	14	15	30	17	1	36	17	8	17	...	4	1	...	1	...	6
„ Non-Pulmonary	87	...	14	67	5	1	...	...	39	28	6	14	...	...	...	...	...	...	...
Pneumonia	31	2	3	5	6	9	3	3	8	14	2	5	2	...	...	...	...	1	1
Totals	551	17	93	313	47	54	22	5	206	172	36	132	5	40	68	5	24	2	139

* Cases of Infectious Disease are treated in the Hospitals of the Metropolitan Asylums Board, whose Brook Hospital is situated in Kidbrooke.

BOROUGH OF GREENWICH.

Cases of Infectious Disease notified during the 13 weeks ending June 28th, 1919.

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.							GREENWICH EAST.	GREENWICH WEST.	ST. NICHOLAS, DEPTFORD.	CHARLTON.	KIDBRIDGE.*	GREENWICH EAST.	GREENWICH WEST.	ST. NICHOLAS, DEPTFORD.	CHARLTON.	KIDBRIDGE.*	TOTAL.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.											
Post Basal Meningitis...	2	2	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...
Chicken-pox ...	21	...	9	12	...	...	...	...	6	12	1	2	...	...	...	...	...	...	...
Malaria ...	17	...	...	...	4	13	...	...	9	6	2	...	...	...	1	...	...	...	1
Diphtheria ...	66	...	16	42	7	1	...	...	23	37	2	4	...	21	36	2	4	...	63
Influenzal Pneumonia ...	34	2	1	3	12	8	7	1	14	13	3	4	...	1	2	1	...	...	4
Erysipelas ...	6	...	...	...	...	1	4	1	2	3	...	1	...	...	...	...	...	...	...
Scarlet Fever ...	60	1	20	35	2	2	...	...	22	19	17	...	2	19	16	17	...	1	53
Trench Fever ...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Enteric Fever ...	2	...	...	2	...	...	...	...	2	...	...	...	...	2	...	...	...	...	2
Dysentery ...	2	...	...	...	1	1	...	...	...	2	...	...	...	...	...	...	...	...	...
Continued Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal Fever ...	4	...	1	...	2	1	...	...	3	...	...	1	...	3	...	...	1	...	4
Measles ...	283	5	102	163	9	3	1	...	216	29	14	23	1	...	...	...	...	...	...
Whooping Cough ...	28	2	10	16	...	...	...	...	8	19	...	1	...	1	...	...	...	...	1
Diarrhoea ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum	6	6	...	...	...	...	...	...	...	5	1	...	...	...	...	...	...	...	...
Tuberculosis, Pulmonary	76	...	...	7	16	40	10	3	39	21	9	7	...	6	1	1	...	...	8
„ Non-Pulmonary	51	3	5	36	4	3	...	...	18	13	9	10	1	2	1	...	2	...	5
Totals ...	659	21	164	316	58	73	22	5	362	180	59	54	4	55	56	22	7	1	141

* Cases of Infectious Disease are treated in the Hospitals of the Metropolitan Asylums Board, whose Brook Hospital is situated in Kidbrooke.

BOROUGH OF GREENWICH.

Cases of Infectious Disease notified during the 13 weeks ending September 27th, 1919.

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.							GREENWICH EAST.	GREENWICH WEST.	ST. NICHOLAS, DEPTFORD.	CHARLTON.	KIDBRIDGE.*	GREENWICH EAST.	GREENWICH WEST.	ST. NICHOLAS, DEPTFORD.	CHARLTON.	KIDBRIDGE.*	TOTAL.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.											
Poliomyelitis	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	1
Dysentery	1	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Malaria	29	...	...	...	5	24	...	...	21	4	12	2	...	...	...	...	...	...	...
Diphtheria	48	1	7	32	6	2	...	...	23	8	3	13	1	22	7	3	12	1	45
Influenzal Pneumonia ...	11	1	...	3	2	4	1	...	7	4	...	...	...	2	1	...	...	...	3
Erysipelas	11	...	...	1	...	8	2	...	3	3	2	2	1	...	1	1	...	...	2
Scarlet Fever	114	1	20	75	14	4	...	...	51	15	42	5	1	50	14	40	4	1	109
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	14	...	1	8	2	3	...	...	4	8	...	2	...	4	8	...	2	...	14
Relapsing Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal Fever ...	2	...	...	2	...	...	...	...	2	...	...	...	...	2	...	...	...	...	2
Measles	278	7	134	134	1	2	...	...	80	130	46	22	...	...	...	...	...	...	...
Whooping Cough	39	8	18	13	...	...	...	...	21	3	...	15	...	...	...	...	...	...	...
Diarrhœa	119	50	68	1	...	...	...	...	26	55	20	18	...	...	...	...	...	...	...
Ophthalmia Neonatorum ...	5	5	...	...	...	...	...	...	2	2	...	1	...	...	...	...	...	...	...
Tuberculosis, Pulmonary ...	67	...	1	4	23	28	10	1	30	17	4	13	3	3	3	...	...	...	6
„ Non-Pulmonary	43	1	5	31	2	3	1	...	23	13	2	5	...	...	2	...	3	...	5
Totals	782	74	255	304	56	78	14	1	293	263	121	99	6	83	36	44	22	2	187

* Cases of Infectious Disease are treated in the Hospitals of the Metropolitan Asylums Board, whose Brook Hospital is situated in Kidbrooke.

BOROUGH OF GREENWICH.

Cases of Infectious Disease notified during the 14 weeks ending January 3rd, 1920.

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.							GREENWICH EAST.	GREENWICH WEST.	ST. NICHOLAS, DEPTFORD.	CHARLTON.	KIDBRIDGE.*	GREENWICH EAST.	GREENWICH WEST.	ST. NICHOLAS, DEPTFORD.	CHARLTON.	KIDBRIDGE.*	TOTAL.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.											
Influenza & Pneumonia	25	1	4	9	2	6	2	1	14	7	2	2	...	2	2	...	...	...	...
Malaria	21	...	...	...	6	11	4	...	9	8	4	...	...	...	...	...	...	...	...
Dysentery	1	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...
Diphtheria	62	...	9	43	8	2	...	...	27	12	4	17	2	23	7	3	16	1	...
Post. Basal Meningitis	1	1	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...
Erysipelas	22	...	...	1	3	7	7	4	7	4	6	5	...	1	2	3	...	...	...
Scarlet Fever	253	1	62	162	17	11	...	...	175	39	13	26	...	144	35	11	21	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	3	...	...	1	...	2	...	...	1	...	...	2	...	1	...	...	2	...	...
Relapsing Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	4	...	...	...	1	3	...	...	1	2	...	1	...	1	...	...	1	...	...
Cerebro-Spinal Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	230	9	109	110	2	...	...	...	24	130	62	10	4	...	...	...	...	...	...
Whooping Cough	58	8	27	23	...	...	...	...	13	33	2	9	1	...	...	...	...	...	...
Diarrhoea	23	13	10	...	...	...	...	...	8	7	6	2	...	2	...	...	...	...	...
Ophthalmia Neonatorum	6	6	...	...	...	...	...	...	3	1	1	1	...	...	...	...	...	...	...
Tuberculosis, Pulmonary	79	...	...	10	19	35	15	...	34	21	9	15	...	7	5	4	3	...	...
„ Non-Pulmonary	40	...	7	25	6	2	...	...	19	11	1	8	1	3	1	...	...	...	...
Totals	828	39	228	384	64	80	28	5	537	275	110	98	8	185	52	21	43	1	...

* Cases of Infectious Disease are treated in the Hospitals of the Metropolitan Asylums Board, whose Brook Hospital is situated in Kidbrooke.

BOROUGH OF GREENWICH.

Cases of Infectious Disease notified during the 53 weeks ending January 3rd, 1920.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.								TOTAL CASES NOTIFIED IN EACH LOCALITY.					NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.					TOTAL.
	At all Ages.	At Ages—Years.							GREENWICH EAST.	GREENWICH WEST.	ST. NICHOLAS, DEPTFORD.	CHARLTON.	KIDDERMORE.*	GREENWICH EAST.	GREENWICH WEST.	ST. NICHOLAS, DEPTFORD.	CHARLTON.	KIDDERMORE.*	
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.											
Post Basal Meningitis...	3	3	...	...	...	...	...	...	1	...	1	1	...	1	...	...	...	...	...
Chicken-pox	54	5	22	27	...	...	...	...	12	22	6	13	1	...	...	...	...	...	...
Malaria	73	...	...	...	16	53	4	...	40	21	10	2	...	...	...	1	...	...	...
Diphtheria	275	1	44	194	30	6	...	...	89	125	9	49	3	78	102	8	45	2	...
Poliomyelitis	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...
Erysipelas	47	1	...	2	4	20	14	6	14	13	10	9	1	1	4	5	...	...	...
Scarlet Fever	481	3	113	308	40	17	...	...	273	86	78	40	4	232	79	72	34	3	...
Trench Fever	1	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Enteric Fever	20	...	1	11	2	5	1	...	7	8	...	5	...	7	8	...	4	...	...
Dysentery	4	...	...	...	2	2	...	...	1	3	...	...	...	...	...	...	...	...	...
Influenza & Pneumonia	101	6	8	20	22	27	13	5	43	38	7	11	2	5	5	1	...	1	...
Puerperal Fever	5	...	...	...	1	4	...	...	1	2	...	2	...	1	...	...	2	...	...
Cerebro-Spinal Fever ...	6	...	1	2	2	1	...	...	5	...	...	1	...	5	...	...	1	...	...
Measles	925	25	377	499	15	8	1	...	377	305	127	110	6	...	...	...	...	...	...
Whooping Cough	141	20	62	59	...	...	...	...	55	55	2	28	1	6	...	...	...	...	...
Diarrhœa	142	63	78	1	...	...	...	...	34	62	26	20	...	2	...	...	...	...	...
Ophthalmia Neonatorum	20	20	...	...	...	...	...	...	8	8	2	2	...	...	...	...	...	...	...
Tuberculosis, Pulmonary	300	...	2	35	73	133	52	5	139	76	20	52	3	20	10	5	4	...	...
„ Non-Pulmonary	221	4	31	159	17	9	1	...	99	65	18	37	2	5	4	...	5	...	...
Totals	2820	151	740	1317	225	285	86	16	1198	890	326	383	23	363	212	92	96	6	...

* Cases of Infectious Disease are treated in the Hospitals of the Metropolitan Asylums Board, whose Brook Hospital is situated in Kidbrooke.

BOROUGH OF GREENWICH.

INFANTILE MORTALITY DURING THE YEAR 1919.

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.	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under One Year.
ALL CAUSES.	Certified	...	...	...	63	10	8	3	84	30	33	21	19	187
	Uncertified	...	...	...	...	...	...	...	...	...	...	...	...	...
Common Infectious Diseases.	Small-Pox	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chicken-Pox	...	...	...	...	...	...	...	...	...	...	...	...	...
	Measles	...	...	...	...	...	...	...	...	...	...	...	1	1
	Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
	Whooping Cough	...	...	...	...	...	...	...	...	3	1	...	2	6
	Diphtheria—Croup	...	...	...	...	...	...	...	...	1	...	...	...	1
	Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Diseases.	Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	2	2	...	4
	Abdominal Tuberculosis	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other Tuberculous Diseases	...	...	...	...	...	...	...	...	1	...	1	2	4
	Meningitis (not Tuberculous)	...	...	...	...	...	...	...	...	...	...	...	1	1
Diarrhoea Diseases.	Convulsions	...	...	...	1	1	...	1	3	...	1	...	...	4
	Laryngitis	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bronchitis	...	...	...	1	...	3	1	5	4	1	...	3	13
	Pneumonia, all forms	...	...	...	...	...	...	...	...	4	7	4	6	21
	Diarrhoea, all forms	...	...	...	...	...	...	...	...	2	1	2	...	5
	Enteritis	...	...	...	...	...	...	...	...	4	7	2	2	15
	Gastritis	...	...	...	...	...	...	...	...	...	1	2	1	4
	Syphilis	...	...	...	1	...	...	...	1	2	3	1	...	7
	Rickets	...	...	...	...	...	...	...	...	...	...	...	...	...
	Suffocation, overlaying	...	...	...	3	...	...	...	3	...	1	...	...	4
	Injury at Birth	...	...	...	6	1	...	...	7	...	...	...	...	7
	Acteclastasis	...	...	...	6	...	...	...	6	...	...	...	...	6
	Congenital Malformations	...	...	...	4	1	1	1	7	3	1	...	...	11
	Premature Birth	...	...	...	31	4	2	...	37	2	2	...	...	41
	Atrophy, Debility, and Marasmus	...	...	...	5	2	1	...	8	4	2	3	...	17
	Other Causes	...	...	...	5	1	1	...	7	...	3	4	1	15
TOTALS					63	10	8	3	84	30	33	21	19	187

