

[Report of the Medical Officer of Health for Hornsey, Borough of].

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BOROUGH OF HORNSEY.

PUBLIC HEALTH AND HOSPITAL COMMITTEE.

THE MAYOR (Councillor W. GASKELL, J.P.).

Chairman, Alderman H. E. COOPER.

Alderman C. D. DIXEY,	Councillor H. J. GOODING,
„ J. R. FARQUHARSON,	„ R. MORITZ,
„ J. H. WILSON,	„ W. J. PARKYN,
Councillor H. BOUSTRED,	„ G. A. PIGDEN,
„ H. B. BRACKENBURY,	„ N. REYNOLDS, and
„ W. W. COOKE,	„ J. F. WHYTE.
„ G. A. DOUBLE,	

MEDICAL OFFICER OF HEALTH'S DEPARTMENT.

Chief Sanitary Inspector	... Mr. W. THORPE (Assoc. Royal San. Inst.)
Assistant do.	... Mr. E. W. BALDWIN (Member Royal San. Inst.)
Assistant do.	... Mr. H. T. TAYLOR (Cert. Royal San. Inst.)
Clerk	... Mr. S. GILBERT.
Matron of the Borough Hospital	Miss A. GILES.
Veterinary Inspector under Contagious Diseases of Animals Acts	... Mr. J. BUXTON, M.R.C.V.S.
Inspector under Shop Hours Acts	Mr. R. ROBINSON.
Do. Employment of Children Act	Mr. F. J. PATEMAN, and Messrs. W. INWOOD and A. Moss.
Assist. Medical Officer of Health	E. F. W. BYWATER, M.B., D.P.H.
Medical Officer of Health, Medical Superintendent of Borough Isolation Hospital, and School Medical Officer	... HAROLD COATES, M.D., D.P.H.

*To His Worship the Mayor, the Aldermen, and the Members of
the Council of the Borough of Hornsey.*

GENTLEMEN,

I beg to present my Annual Report on the health of the Borough during the year 1909.

The position as shewn by the chief Vital Statistics is a very satisfactory one. The death-rate remains very low indeed. The Infantile death-rate is considerably lower than that of 1908, which was itself the lowest on record.

Infectious disease was a little more prevalent than in 1908, but the number of cases notified to me was much below the average of the last 20 years, notwithstanding the great growth in the population of the district.

Of the non-notifiable infectious diseases, Measles was prevalent in the district for the greater part of the year, but the disease was of a very mild type, no more deaths being registered from this cause than in 1908, when the disease was much less prevalent.

This year a limited scheme of compulsory notification of Phthisis is in operation. The Medical Officers and other Officials of the Poor Law Union must notify cases of Phthisis occurring in Poor Law patients under their control.

This year, therefore, Phthisis takes its place on the table on page 36 of notification of Infectious Disease.

I am, Gentlemen,

Your obedient Servant,

HAROLD COATES, M.D., D.P.H.

BOROUGH OF HORNSEY.

SUMMARY OF STATISTICS.

Area in acres	...	...	...	...	...	2,874
Rateable value (District Rate)	...	...	...	...	...	£650,373
Population Census, 1901	...	...	...	...	...	72,056
Estimated Population 1909	...	...	...	...	...	92,389
Number of persons per acre, 1909	...	...	...	...	...	32.1
" " " house, 1909	...	...	...	...	...	5.822
Estimated birth-rate per 1,000 living, 1909	...	...	...	...	...	16.3
Average birth-rate for previous 10 years	...	...	...	...	...	19.3
Estimated death-rate per 1,000 living, 1909	...	...	...	...	...	8.5
Deaths under 1 year of age, per 1,000 births, 1909	...	...	...	...	...	57
Death-rate from Zymotic diseases, 1909	...	...	...	...	...	0.41

Infectious Disease (Notification) Act, 1889, adopted October, 1889.

Infectious Disease (Prevention) Act, 1890, adopted October, 1890.

Public Health Acts Amendment Act, 1890, Parts 2, 3 and 5,
adopted October, 1890.

Housing of the Working Classes Act, 1890, Part 3, adopted July,
1896.

Public Health Acts Amendment Act, 1907, adopted.

Population.—Year by year I have drawn attention to the growing divergence of the estimates formed of the population of the district, according as the calculation is based on the number of occupied houses as shown in the rate books, or is reckoned by the Registrar General's method.

On the former basis, for 1909, the estimated population is 92,389. For the same year the Registrar General's estimate is 95,628, a difference of 3,239.

The true population probably lies somewhere between these two estimates. The Registrar General's figures are too high, because the rate of building has slackened down very much of recent years.

On the other hand the estimate based on the number of occupied houses and the number of occupants per house is too low, as in some parts of the Borough the tendency is for the average

number of occupants per house to increase, owing to the growing practice of sub-letting parts of a house, and the letting of furnished rooms.

For the purpose of statistics one method of calculation or the other must be adopted, and the estimated population of 92,389 is the one more nearly correct.

The population calculated on this basis in 1908 was 90,814, so that the estimated increase in numbers for the twelve months is 1,575.

This is a much larger increase than in the previous year, when it was only 593, but is much less than some of the annual increases of population of recent years.

The following table shews the yearly increase per cent. for each year since the last census:—

	Increase of population during the year.				Increase per cent.
1901-1902	2,076	...	2.8
1902-1903	2,829	...	3.7
1903-1904	5,775	...	7.3
1904-1905	986	...	1.5
1905-1906	1,664	...	1.9
1906-1907	3,344	...	3.7
1907-1908	593	...	0.6
1908-1909	1,575	...	1.7

The table also indicates the spasmodic nature of our growth, and is fairly characteristic of new suburban areas.

The year's increase of population on the estimates for 1908 and 1909 of the Registrar General is 2,915.

In this report all statistics are based on the estimated population at the middle of the year of 92,389.

The estimated population at the end of each Quarter of 1909 was as follows:—

End of first quarter	...	...	...	91,503
„ second	„	...	...	91,693
„ third	„	...	...	91,978
„ fourth	„	...	...	93,759

The population of the Borough at the last census (1901) was 72,056.

The increase of population during $8\frac{1}{4}$ years, from the date of the census to the middle of 1909, was, therefore, 20,333.

This is equal to an average yearly increase of 2,464, so that the increase (1,575) for the twelve months 1908-1909 is considerably below the average yearly increase of the last 8 years.

The "natural increase" of population during 1909, i.e., excess of births over deaths, was 721.

As the actual increase was 1,575, a little less than one half the actual increase of population is attributable to "natural growth" of the 1908 population and a little more than half is due to immigration, so that the Borough has gained 734 new residents from outside during the year.

The following table shews the estimated population for each Ward in 1908 and 1909, with the increase or decrease which has taken place in the interval:—

Ward.	Estimated population, 1908.	Estimated population, 1909.	Variation during the year, 30th June, 1908, to 30th June, 1909.	
			Increase.	Decrease.
Highgate	13,100	13,331	231	—
Muswell Hill	12,565	13,167	602	—
Crouch End	5,782	5,951	169	—
West Hornsey	14,054	14,343	289	—
East Hornsey	12,842	13,033	191	—
North Haringey	10,090	10,086	—	4
South Haringey	5,753	5,969	216	—
Stroud Green	9,575	9,354	—	221
Finsbury Park	7,053	7,155	102	—
THE BOROUGH	90,814	92,389	1,800	225

The chief increase has been in Muswell Hill, 602 out of a net increase for the whole Borough of 1,575.

Highgate and West Hornsey have grown at about the same rate as during the previous year.

South Haringey and East Hornsey have considerable increases to set against losses in the previous twelve months.

In Crouch End the increase is considerably larger than in the preceding year, and Finsbury Park maintains an even rate of growth.

In the two remaining Wards there are losses in numbers on the estimated population. In North Haringey there is a small loss of 4, as against a considerable loss of 195 in 1908, but in Stroud Green the loss is 221 this year, as compared with a loss of 78 in 1908.

For the whole Borough, therefore, there is a total gain of 1,800, and a loss of 225, or a net gain of 1,575.

The following table shews the Ward populations at the census, the estimated population 1909, and the increase in $8\frac{1}{4}$ years:—

Ward.	Population, Census 1901.	Estimated Population. June 30th, 1909.	Increase in $8\frac{1}{4}$ years.	Decrease in $8\frac{1}{4}$ years.
Highgate ...	10,176	13,331	3,155	—
Muswell Hill ...	5,833	13,167	7,334	—
Crouch End ...	4,761	5,951	1,190	—
West Hornsey } East Hornsey }	18,662	14,343 13,033	8,714	—
North Haringey ...	10,129	10,086	—	43
South Haringey ...	5,917	5,969	52	—
Stroud Green ...	9,356	9,354	—	2
Finsbury Park ...	7,222	7,155	—	67
	72,056	92,389	20,445	112

This table shews the remarkable growth of Muswell Hill. In a little over 8 years the population of this part of the Borough has grown from 5,833 to 13,167.

Very considerable increases have also occurred at Highgate and Hornsey. At the date of the census, the division into East and West Hornsey had not been made, and the gain is, therefore, shewn on the combined population of the two wards. A gain of nearly 1,200 in Crouch End on a small initial population is also satisfactory.

In the other parts of the Borough the population is almost unchanged as regards numbers.

Density of Population.—With the growth of the population of the Borough, the number of persons per acre has increased

from 25 at the time of the 1901 census to 32.1 at the middle of 1909. At the middle of 1908 the density was 31.5 persons per acre.

North Haringey remains much the most thickly-populated ward, with 80 persons per acre, though East and West Hornsey are gradually creeping up near this figure. Crouch End, with 15 persons per acre, is at the other extreme.

Muswell Hill, in spite of its rapid growth, has still only 19 persons per acre, and Highgate 18.

The following table shews the density of population for each Ward:—

Ward.	Area in acres.	Population.	Number of persons per acre.
Highgate	709.5	13,331	18
Muswell Hill	663.5	13,167	19
Crouch End	376	5,951	15
West Hornsey	227.5	14,343	63
East Hornsey	195.5	13,033	66
North Haringey	125	10,086	80
South Haringey	109	5,969	54
Stroud Green	269	9,354	34
Finsbury Park	199	7,155	35
	2,874	92,389	32.1

Births.—The number of births recorded during 1909 was 1,508. This is an increase of 23 over the number of births registered in 1908. In the preceding twelve months (1908, compared with 1907) there was a decrease of 39 in the recorded births.

Twenty-seven of the births were illegitimate (25 in 1908).

Ten of the births occurred at the Edmonton Workhouse, but no other births belonging to the Borough are recorded as occurring in Public Institutions.

The birth-rate for the year was 16.3, exactly the same as in 1908. The accompanying chart shews that in 1884 the birth-rate was over 33 per 1,000 of the population. Now it is less than half that figure, and the decline from 1884 to the present time has

been almost continuous. The last occasion on which there was a slight rise in the birth-rate was 1899.

The number of births and the birth-rate for each quarter of the year is as follows:—

1909.	HORNSEY.		ENGLAND AND WALES.
	No. of Births.	Birth-rate.	Birth-rate.
1st Quarter	366	15.8	25.9
2nd „	422	18.2	26.6
3rd „	371	16.0	25.4
4th „	349	15.1	24.3
	1,508	16.3	25.6

In the second and fourth quarters of the year the birth-rate was slightly higher than in the corresponding quarters of 1908, and slightly lower in the first and third quarters.

The birth-rates in certain towns are given below:—

London and adjoining districts	{	Tottenham	29.4
		West Ham	27.2
		Willesden	25.2
		Croydon	24.4
		London	24.2
		East Ham	23.6
		Finchley	20.3
		Hornsey	16.3
Swansea		Huddersfield	24.5
St. Helen's		Wolverhampton	23.8
Middlesbrough		York	23.8
Wigan		Aston Manor	23.7
Walsall		Rochdale	22.7
Stockport		Reading	20.9
Devonport		Northampton	20.1
Burnley			

The following table gives the number of births during the year, and the birth-rate for each Ward of the Borough:—

WARD.	Number of Births recorded during 1909.	Birth-rate.
Highgate	183	13·7
Muswell Hill ...	149	11·3
Crouch End	95	15·9
West Hornsey	362	25·2
East Hornsey	240	18·4
North Haringey	178	17·6
South Haringey	90	15·0
Stroud Green	105	11·2
Finsbury Park	106	14·8
The Borough ..	1,508	16·3

Illegitimate Births.—There were 27 illegitimate births recorded in 1909, and 25 in 1908, an increase of 2.

The proportion of illegitimate births of the total registered births is a very low one, viz.:—1·7 per cent.

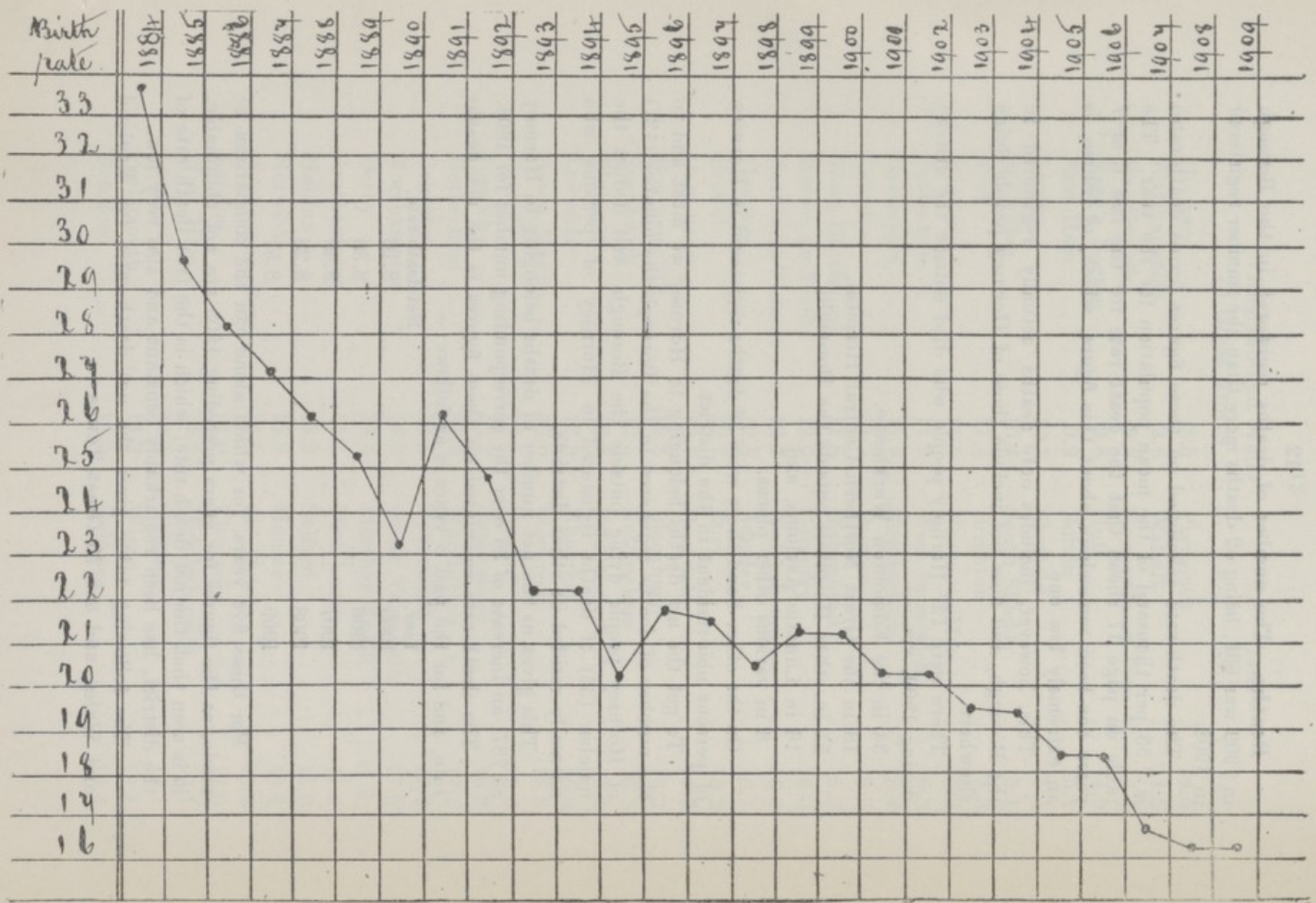
Eight of the illegitimate births occurred in the Edmonton Workhouse, and in the following table these have been allocated to the wards of the Borough in which the mothers resided before gaining admission to the Workhouse.

Ward.	Number of illegitimate births.	Per cent. of total births in the Ward.
Highgate	5	2·7
Muswell Hill	3	2·0
Crouch End	1	1·0
West Hornsey	8	2·2
East Hornsey	3	1·2
North Haringey	2	1·1
South Haringey	0	0
Stroud Green	1	0·9
Finsbury Park	4	3·7
	27	1·7

The number of births for each quarter, with the birth-rate in the various wards, is as follows:—

Ward.	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Total Births	Birth-rate per 1,000 persons living.
	Births.	Birth-rate.	Births.	Birth-rate.	Births.	Birth-rate.	Births.	Birth-rate.		
Highgate	44	13·2	46	13·8	41	12·3	52	15·6	183	13·7
Muswell Hill ..	23	6·9	41	12·4	42	12·7	43	13·0	149	11·3
Crouch End ..	29	19·4	28	18·8	21	14·1	17	11·4	95	15·9
West Hornsey ..	108	30·1	113	31·5	71	19·8	70	19·5	362	25·2
East Hornsey ..	58	17·8	65	19·9	59	18·1	58	17·8	240	18·4
North Haringey ..	37	14·6	40	15·8	53	21·0	48	19·0	178	17·6
South Haringey ..	19	12·7	30	20·1	21	14·0	20	13·4	90	15·0
Stroud Green ..	21	8·9	27	11·5	37	15·8	20	8·5	105	11·2
Finsbury Park ..	27	15·0	32	17·8	26	14·5	21	11·7	106	14·8
The Borough ..	366	15·8	422	18·2	371	16·0	349	15·1	1,508	16·3

The accompanying chart shews the birth-rate in Hornsey for the past 26 years:—



Deaths.—The number of deaths registered in the Borough in 1909 was 696, being 42 deaths more than the number registered in 1908.

The death-rate calculated on these figures (gross death-rate) is 7.53 per thousand of the mean population for the year. The table on page 17 shews that the death-rate for the last 6 or 7 years has been somewhere about this figure, which, of course, is an extremely low one.

This, however, includes only deaths actually registered in the Borough, and does not include those of Hornsey people dying elsewhere.

There were 127 Hornsey people who died outside the district during 1909, viz.:—

- 34 in the Edmonton Workhouse,
- 18 in the Great Northern Central Hospital,
- 51 in other Hospitals outside the Borough,
- 16 in Lunatic Asylums, and
- 8 in various other places.

On the other hand there were 36 deaths registered in Hornsey of persons non-resident in the district.

To get the net deaths belonging to Hornsey we must add to the number of deaths registered in the Borough the number (127) of Hornsey people dying outside the Borough, and deduct the number (36) of deaths registered in Hornsey of persons who normally resided in other districts.

This gives us the net number of deaths belonging to Hornsey as 787, an increase of 35 over the corresponding number for 1908.

The death-rate calculated on these figures is the net death-rate, and for the past 5 years is as follows:—

Year.	Net death-rate.
1905 	8.16
1906 	8.85
1907 	8.49
1908 	8.28
1909 	8.51

For these five years, for which alone can the comparison be made, as the figures for years preceding 1905 are not obtainable, it is seen that the net death-rate, which is the true death-rate of the district, has been remarkably constant and also very low.

The following table gives the net death-rates for England and Wales, and the 76 Great Towns:—

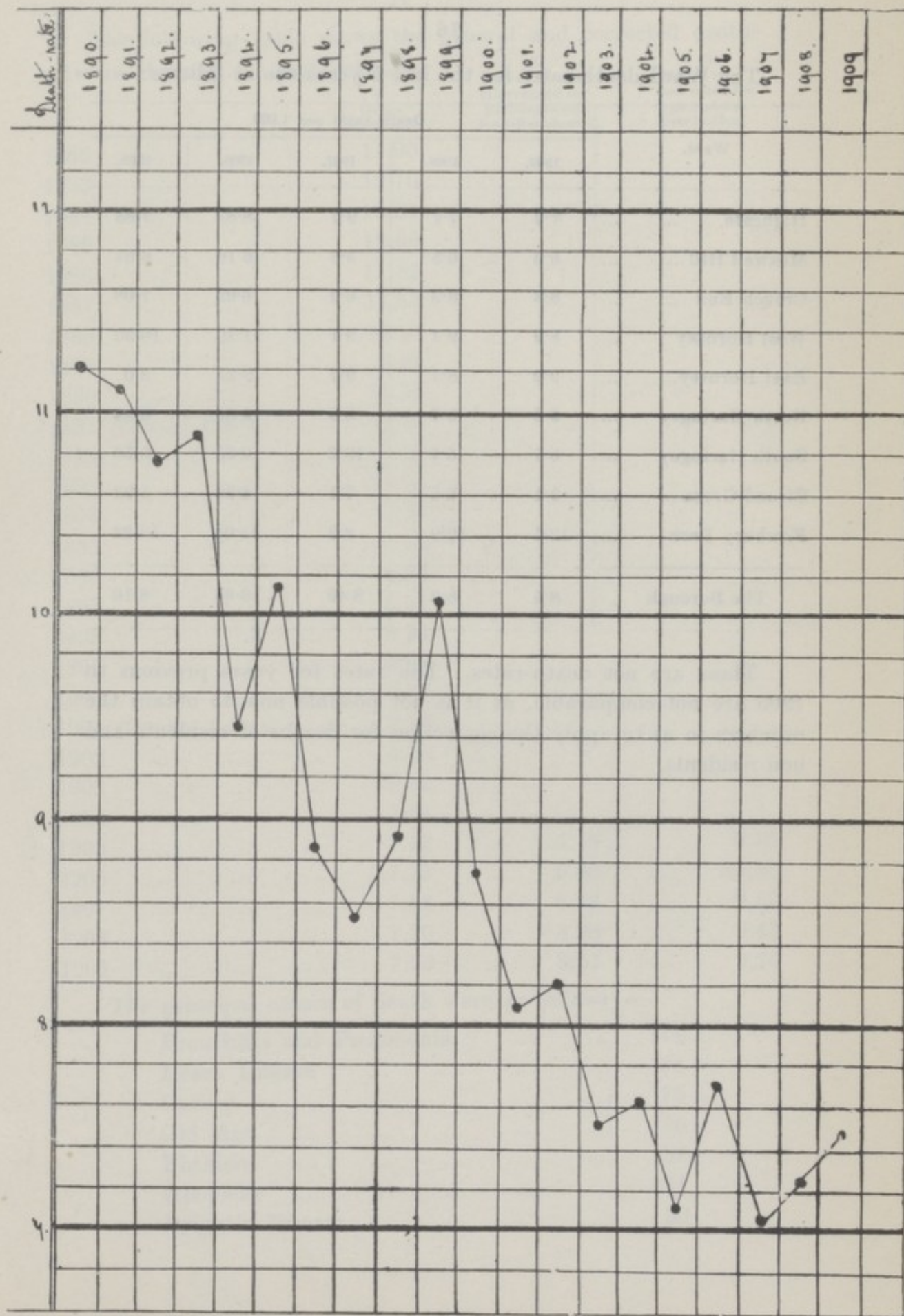
England and Wales				...	...	14.5	
76 Great Towns				...	...	14.7	
Hornsey	...	...	8.5	Plymouth	...	...	14.5
Walthamstow	...	...	9.6	Walsall	...	...	14.5
Handsworth	...	...	9.8	Newcastle-on-Tyne	...	...	14.8
King's Norton	...	...	9.8	Hull	...	...	14.9
East Ham	...	...	9.9	Bolton	...	...	15.1
Leyton	...	...	10.3	Sheffield	...	...	15.1
Willesden	...	...	10.4	South Shields	...	...	15.1
York	...	...	11.4	Brighton	...	...	15.3
Reading	...	...	11.5	Newport (Mon.)	...	...	15.3
Tottenham	...	...	11.5	West Bromwich	...	...	15.3
Devonport	...	...	11.6	Birmingham	...	...	15.4
Croydon	...	...	11.7	Preston	...	...	15.8
West Hartlepool	...	...	11.8	Birkenhead	...	...	15.9
Burton-on-Trent	...	...	12.0	Coventry	...	...	16.0
Barrow-in-Furness	...	...	12.2	Wolverhampton	...	...	16.0
Hastings	...	...	12.5	Burnley	...	...	16.1
Bristol	...	...	12.7	Bury	...	...	16.2
Gateshead	...	...	12.7	Rochdale	...	...	16.2
Bournemouth	...	...	12.8	Blackburn	...	...	16.3
Smethwick	...	...	12.8	Nottingham	...	...	16.3
Wallasey	...	...	12.8	Huddersfield	...	...	16.3
Leicester	...	...	12.9	Rhondda	...	...	16.3
Aston Manor	...	...	13.0	Stockport	...	...	16.5
Cardiff	...	...	13.1	Bootle	...	...	16.9
Ipswich	...	...	13.2	Sunderland	...	...	16.9
Rotherham	...	...	13.2	Warrington	...	...	17.1
Grimsby	...	...	13.3	Tynemouth	...	...	17.3
Northampton	...	...	13.3	Great Yarmouth	...	...	17.5
Derby	...	...	13.4	Merthyr Tydfil	...	...	17.7
Southampton	...	...	13.4	Manchester	...	...	17.9
Halifax	...	...	13.9	Salford	...	...	18.0
Norwich	...	...	13.9	Hanley	...	...	18.1
Stockton-on-Tees	...	...	13.9	St. Helens	...	...	18.6
London	...	...	14.0	Liverpool	...	...	19.0
West Ham	...	...	14.0	Middlesbrough	...	...	19.1
Leeds	...	...	14.1	Oldham	...	...	19.1
Portsmouth	...	...	14.2	Wigan	...	...	19.1
Bradford	...	...	14.5	Swansea	...	...	19.4

		1908.	1909.
The death-rate in Hornsey during the first quarter was	9.9	10.5	
„ „ „ second	8.9	8.1	
„ „ „ third	6.9	5.6	
„ „ „ fourth	7.2	9.6	

The following table gives the deaths which have been registered in each Ward during the four quarters of the year, with the corresponding death-rates:—

Ward.	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Total Deaths.	Death-rate per 1,000 persons living.
	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.		
Highgate	37	11.1	28	8.4	13	3.9	25	7.5	103	7.7
Muswell Hill ..	19	5.7	22	6.6	16	4.8	27	8.2	84	6.3
Crouch End ..	14	9.4	8	5.3	5	3.3	14	9.4	41	6.8
West Hornsey ..	38	10.5	27	7.5	22	6.1	41	11.4	128	8.9
East Hornsey ..	35	10.7	33	10.1	15	4.6	38	11.6	121	9.2
North Haringey ..	29	11.5	25	9.9	18	7.1	25	9.9	97	9.6
South Haringey ..	13	8.7	6	4.0	9	6.0	12	8.0	40	6.7
Stroud Green ..	26	11.1	25	10.6	14	5.9	21	8.9	86	9.1
Finsbury Park ..	33	18.4	14	7.8	19	10.6	21	11.7	87	12.1
Total deaths	244	10.5	188	8.1	131	5.6	224	9.6	787	8.5

The deaths in public institutions have been referred to the Wards from which the patients were removed on entering the public institutions.



Gross death-rates per 1,000 persons living 1890-1909.

The Ward death-rates for the last 5 years are as follows:—

Ward.	Death rates per 1,000				
	1909.	1908.	1907.	1906.	1905.
Highgate	7·7	7·7	9·7	8·87	7·85
Muswell Hill	6·3	6·5	5·8	6·16	6·87
Crouch End	6·8	8·3	6·2	6·03	7·08
West Hornsey	8·9	9·1	9·1	11·10	10·30
East Hornsey... ..	9·2	8·7	9·7	9·27	8·0
North Haringey	9·6	9·7	8·9	9·89	8·44
South Haringey	6·7	6·7	10·2	9·63	8·58
Stroud Green	9·1	6·6	7·1	6·92	5·98
Finsbury Park	12·1	10·9	8·9	11·04	10·22
The Borough	8·5	8·2	8·49	8·85	8·16

These are net death-rates. The rates for years previous to 1905 are not comparable, as it is not possible now to obtain the numbers so as to apply the correction for deaths of residents and non-residents.

The following table shows the general and corrected death-rates in Hornsey for past years:—

			1	2	3
			Gross death rate.	Net death rate (Corrected for Residents and Non-Residents).	Death rate corrected for age and sex distribution.
1882	...	...	11.90		
1883	...	...	12.70		
1884	...	...	13.34		
1885	...	...	12.66		
1886	...	...	11.82		
1887	...	...	11.57		
1888	...	...	10.18		
1889	...	...	9.45		
1890	...	...	11.20		
1891	(Census taken)	...	11.11		
1892	...	...	10.78		
1893	...	...	10.90		
1894	...	...	9.42		
1895	...	...	10.15		
1896	...	...	8.88		
1897	...	...	8.54		
1898	...	...	8.94		
1899	...	...	10.08		
1900	...	...	8.77		
1901	(Census taken)	...	8.12		
1902	...	...	8.20		
1903	...	...	7.51		
1904	...	...	7.81		
1905	...	...	7.12	... 8.16	... 9.30
1906	...	...	7.73	... 8.85	... 10.08
1907	...	...	7.03	... 8.49	... 9.67
1908	...	...	7.20	... 8.28	... 9.43
1909	...	...	7.53	... 8.51	... 9.70

The principal causes of death were as follows:—

Bronchitis and Pneumonia	...	...	114
Heart Disease	...	...	94
Cancer	...	...	75
Old Age	...	...	66
Phthisis	...	...	57
Apoplexy	...	...	44
Bright's Disease	...	...	30

Forms of Tuberculosis other than Phthisis	26
Accidents	24
Diabetes Mellitus	17
Premature Birth	17
Epidemic Influenza	15
Emphysema, Asthma	14
Measles	12
Whooping Cough	12
Appendicitis	12
Diphtheria	10
Suicide	8
Scarlet Fever	3

Comparing the principal causes of death with those of 1908, the chief gains and losses are shewn in the following tables.

Of those diseases which have caused an increased mortality, the chief are diseases of the respiratory organs, Bronchitis, Pneumonia, Emphysema and Asthma having caused 37 more deaths than in 1908. No doubt the cold wet weather of the past twelve months has been responsible for much of the increased mortality from these causes.

From Phthisis and other forms of tuberculosis 14 more deaths are attributed than in the previous year.

The chief diseases from which there is a decreased death roll included Influenza, with 11 fewer victims, and Cancer, with 9 fewer deaths, compared with 1908.

There is a large drop in the number of deaths registered as due to Alcoholism, less than half the number being recorded in 1909 as compared with 1908 (9 and 19 respectively).

The following table shews the diseases which caused fewer deaths in 1909 as compared with 1908, and the gain in each case:

	1909.	1908.	Decrease
Cancer	75	84	9
Old Age	66	69	3
Premature Birth	17	20	3
Alcoholism and Cirrhosis of Liver ...	9	19	10
Epidemic Influenza	15	26	11
Want of Breast Milk, Marasmus and Convulsions	12	17	5

	1909.	1908.	Decrease
Ulcer and other Diseases of Stomach	7	14	7
Suicide	8	16	8
Epidemic Enteritis	1	9	8
Softening of Brain	3	9	6
Enteric Fever	0	2	2

The following diseases caused more deaths than in 1908, and the increased loss is given in each case:—

	1909.	1908.	Increase
Bronchitis and Pneumonia	114	89	25
Heart Disease	94	83	11
Phthisis	57	53	4
Apoplexy	44	39	5
Bright's Disease	30	22	8
Forms of Tuberculosis other than Phthisis	26	16	10
Accidents	24	14	10
Diabetes Mellitus	17	10	7
Emphysema, Asthma	14	2	12
Whooping Cough	12	11	1
Appendicitis	12	4	8
Diphtheria	10	9	1
Debility at Birth and Congenital Defects	10	9	1

Tuberculosis.—The deaths from Phthisis of the Lung numbered 57, or 4 more than in the previous year and 5 more than the yearly average for the preceding 5 years. Three of these 57 deaths occurred in persons who had been removed to the Edmonton Workhouse. During the last four years the number of deaths from Phthisis has increased rather more than in proportion to the growth of the population, so that the death-rate from consumption per 1,000 persons living has slowly risen.

From forms of Tuberculosis other than Phthisis there were 26 deaths registered, an increase of 10, compared with the year 1908.

The total deaths from all forms of Tuberculosis were, therefore, 83, or 14 more than in the previous year.

By an Order of the Local Government Board, the Medical Officers and certain other officials in the service of the Poor Law Guardians are directed to notify to the Medical Officer of Health cases of Phthisis occurring among their Poor Law patients.

During the year I have had 16 such cases notified to me.

In each case a visit or visits have been paid to the house of the patient. In those cases where the patient had not been admitted into the Workhouse, verbal and printed directions were given as to the avoidance of the spread of infection, and where necessary disinfection of rooms or articles of bedding, clothing, etc., has been carried out.

Similar preventive measures are carried out in other cases of Phthisis brought to my knowledge, when they appear necessary or desirable.

The following table shews the ages at death from Phthisis and from other forms of Tuberculosis:—

		Years inclusive: 0-4 5-14 15-24 25-34 35-44 45-54 55-64 65 & over							
Number of deaths									
from Phthisis	...	1	1	7	12	14	10	6	6
Other forms of tuber-									
culosis	...	16	1	2	4	2	0	1	0
		—	—	—	—	—	—	—	—
All forms of tuber-									
culosis	...	17	2	9	16	16	10	7	6
		==	==	==	==	==	==	==	==

This shews again that the principal incidence of Phthisis is in the middle years of life, and that other forms of Tuberculosis are chiefly fatal in infancy.

At the middle years of life, viz.:—15-44 years of age, out of a total of 144 deaths registered in the Borough, 33, or nearly one-fourth, were due to Phthisis alone.

The following table is interesting as giving the number of deaths from Phthisis and other forms of Tuberculosis and the number of deaths from the seven principal infectious diseases for the past 8 years:—

	1909.	1908.	1907.	1906.	1905.	1904.	1903.	1902.
Measles	12	12	5	18	9	18	15	7
Scarlet Fever	3	3	4	6	3	1	1	2
Diphtheria	10	9	9	13	8	7	12	9
Small Pox	0	0	0	0	0	0	0	2
Enteric Fever	0	2	4	5	2	2	0	5
Whooping Cough	12	11	19	4	10	17	19	9
Diarrhœa	1	9	3	30	6	24	1	1
Total	38	46	44	76	38	69	48	35
Phthisis	57	53	50	47	58	54	46	45
Other forms of Tuberculosis	26	16	19	13	16	23	20	22
Total	83	69	69	60	74	77	66	67

These figures shew that Phthisis is vastly more important as a cause of death than the notifiable infectious diseases of Scarlet Fever, Diphtheria, Typhoid Fever and Small Pox combined, and that when the non-notifiable zymotic diseases of Measles, Whooping Cough and Diarrhœa are added, the number of deaths from Phthisis is still the greater, except in the two years 1906 and 1904, when the number of deaths from Diarrhœa was abnormally large owing to the autumn epidemic in those years.

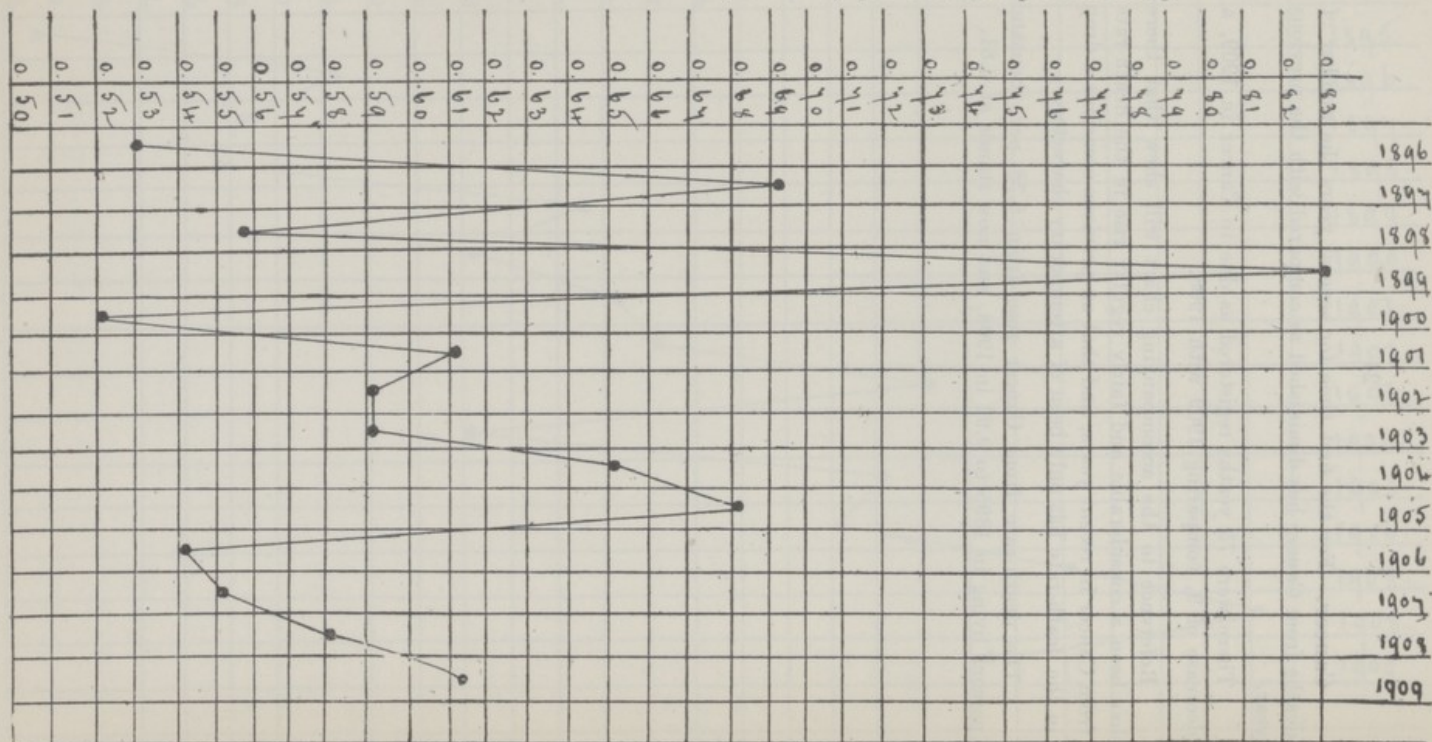
The number of deaths from Phthisis and from all forms of Tuberculosis and the death-rates per 1,000 of the population are given below.

Year.	Number of deaths from consumption of the lungs.	Death-rate per 1,000 persons living from consumption of the lungs.	Number of deaths from all forms of tuberculosis.	Death-rate per 1,000 persons living from all forms of tuberculosis.
1909	57	.616	83	.898
1908	53	.583	69	.759
1907	50	.554	69	.764
1906	47	.540	60	.690
1905	58	.680	74	.868
1904	54	.653	77	.914
1903	46	.591	66	.842
1902	45	.595	67	.886
1901	45	.612	63	.857
1900	37	.525	48	.688
1899	56	.828		
1898	36	.556		
1897	43	.694		
1896	30	.527		
1895	43	.769		
1894	40	.768		
1893	35	.700		

The following table shews the deaths from phthisis and from all forms of tuberculosis in each of the Wards of the Borough:—

WARD.	Deaths from consumption of the Lungs.	Death-rate per 1,000 persons living.	Deaths from all forms of Tuberculosis.	Death-rate per 1,000 persons living.
Highgate ..	5	0.375	8	0.600
Muswell Hill	4	0.303	7	0.531
Crouch End	3	0.504	4	0.672
West Hornsey	12	0.836	14	0.976
East Hornsey	11	0.844	16	1.227
North Haringey	8	0.793	10	0.991
South Haringey	3	0.502	6	1.005
Stroud Green	4	0.427	10	1.069
Finsbury Park	7	0.978	8	1.118
The Borough...	57	0.616	83	0.898

Annual death-rates from Phthisis (1896-1909) per thousand persons living.

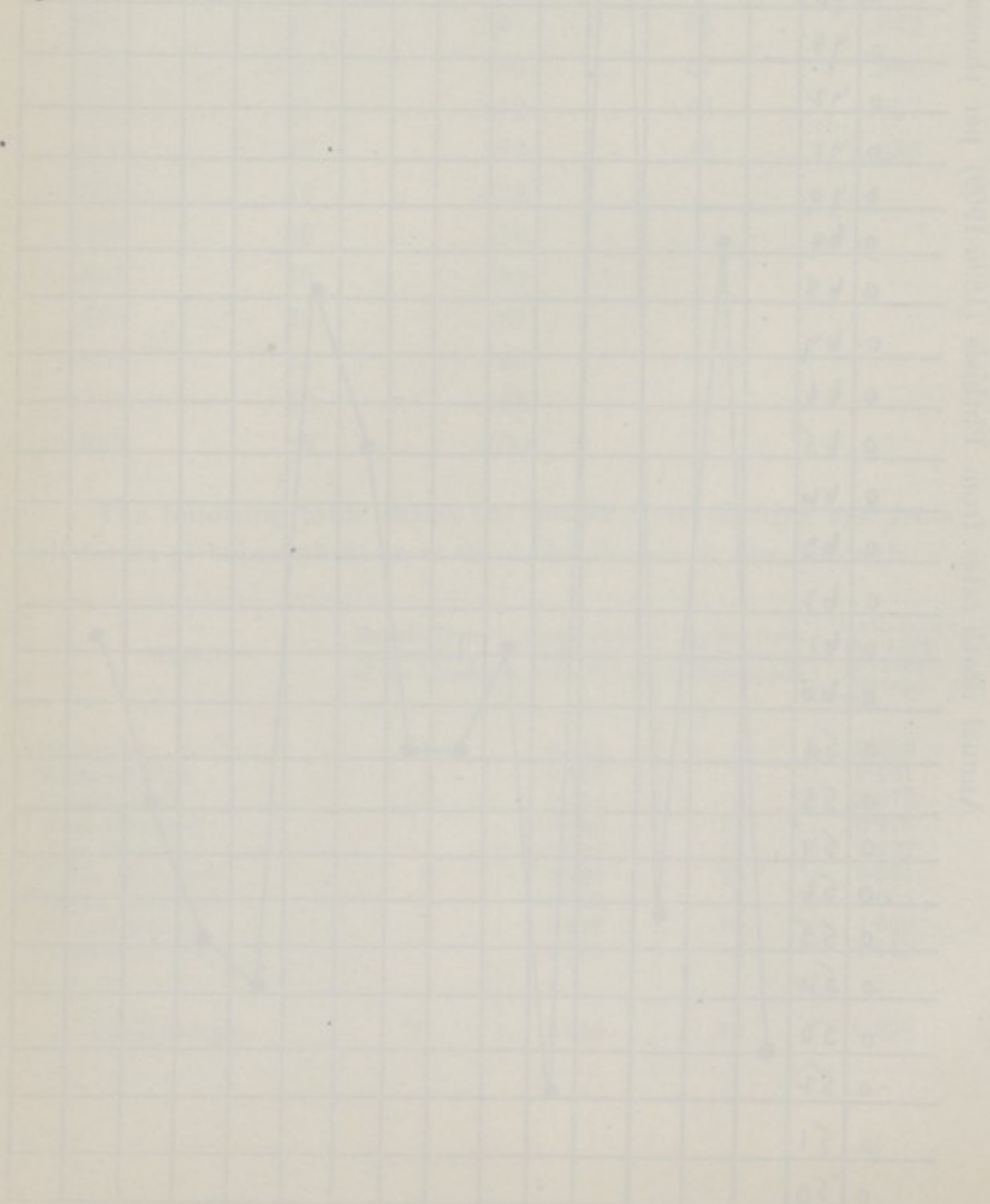


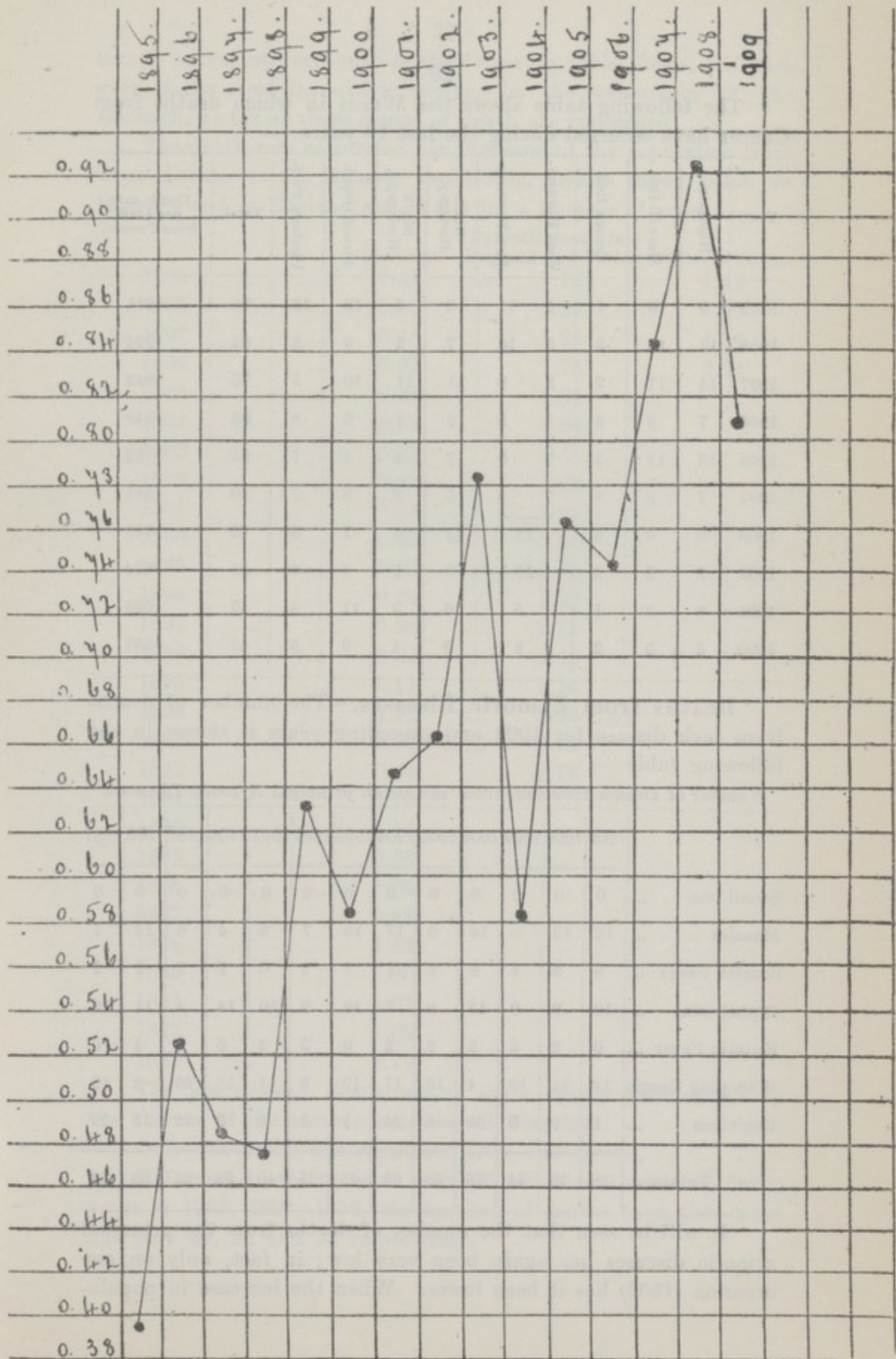
Cancer.—For the first time for several years the number of deaths from Cancer has diminished as compared with the previous year.

There were 75 yeaths registered as due to Cancer in 1909, a decrease of 9, comparing 1909 with 1908.

Reference to the accompanying chart will shew that there has been a considerable and fairly regular rise in the death-rate from Cancer in recent years, and that on previous occasions a drop in the death-rate has only been of a temporary character.

The death-rate from Cancer rose from 0.38 per thousand persons living in 1895 to 0.92 in 1908, and now stands at 0.81.





Annual death-rates from Cancer per thousand persons living for 15 years 1895-1909.

The following table shews the Wards in which deaths from Cancer have occurred during the last 10 years:—

Year.	Highgate.	Muswell Hill.	Crouch End.	West Hornsey.	East Hornsey.	North Haringey.	South Haringey.	Stroud Green.	Finsbury Park.	Total.	Death rate per 1,000 from Cancer.
1909	9	10	4	5	11	6	4	13	13	75	·811
1908	17	16	9	5	10	7	3	9	8	84	·924
1907	14	11	2	3	9	11	11	10	5	76	·842
1906	7	8	4	8	8	9	7	6	8	65	·748
1905	13	12	2	7	9	7	4	4	7	65	·762
1904	7	8	3	7	5	5	2	5	7	49	·581
1903	6	4	6	12		15	6	7	6	62	·790
1902	8	3	2	15		8	1	8	6	51	·674
1901	8	3	1	5		6	5	11	8	47	·653
1900	5	5	2	8		3	4	9	5	41	·581

Deaths from Zymotic Diseases.—The number of deaths from each disease for 1909 and preceding years is shewn in the following table:—

Number of Deaths 1909-1897 from the seven principal Zymotic Diseases.

	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897
Small-pox ...	0	0	0	0	0	0	0	2	0	0	0	0	0
Measles ...	12	12	5	18	9	18	15	7	8	4	6	14	7
Scarlet Fever ...	3	3	4	6	3	1	1	2	0	1	3	0	2
Diphtheria ..	10	9	9	13	8	7	12	9	10	14	4	11	16
Enteric Fever ...	0	2	4	5	2	2	0	5	2	6	0	4	0
Whooping Cough	12	11	19	4	10	17	19	9	14	18	20	8	10
Diarrhœa ...	1	9	3	30	6	24	1	1	6	9	32	15	29
TOTALS ...	38	46	44	76	38	69	48	35	40	52	65	52	64

It will be seen that the number of deaths from the principal zymotic diseases has again been very low; in fact, only on one occasion (1902) has it been lower. When the increase in popula-

tion is taken into account, as the following table shews, the past year is the most favourable so far, in the experience of the Borough, as far as these causes of death are concerned.

The death-rate calculated per thousand of the population from these diseases is the Zymotic death-rate, and is shewn below in Hornsey and in England and Wales for a number of years:—

			Zymotic death-rate			
			Hornsey.	England and Wales.	76 Great Towns	
1909	...	...	0.41	...	1.12	1.42
1908	...	...	0.50	...	1.29	1.59
1907	...	...	0.48	...	1.26	1.54
1906	...	...	0.87	...	1.73	2.24
1905	...	...	0.44	...	1.94	
1904	...	...	0.81	...	1.94	
1903	...	...	0.61	...	1.46	
1902	...	...	0.44	...	1.64	
1901	...	...	0.54	...	2.05	
1900	...	...	0.66	...	2.00	
1899	...	...	0.89	...	2.21	
1898	...	...	0.74	...	2.22	
1897	...	...	0.98	...	2.15	
1896	...	...	0.93	...	2.18	
1895	...	...	1.11	...	2.14	
1894	...	...	1.12	...	2.25	
1893	...	...	0.96	...	3.16	
1892	...	...	0.94	...	2.76	
1891	...	...	0.70			
1890	...	...	1.15			
1889	...	...	0.60			
1888	...	...	1.05			
1887	...	...	0.88			
1886	...	...	1.42			
1885	...	...	1.80			
1884	...	...	1.91			
1883	...	...	1.05			
1882	...	...	1.77			

The low zymotic death-rate is again chiefly attributable to the absence of the autumn epidemic of Diarrhœa.

Only one death was registered from this cause.

Reference to the table on page 26 will shew that in epidemic years as 1906, 1904, 1899, the number of deaths from this cause has been 30, 24 and 32 respectively.

Hot dry summers are favourable to the prevalence of this disease, and its almost complete absence in 1909 is largely due to the cold and wet weather which prevailed in the summer months.

The death-rate from Diarrhœa per 1,000 of the population was 0.01 in 1909, 0.09 in 1908, 0.03 in 1907 and 0.47 in 1906.

Diphtheria.—Although there were considerably more cases of Diphtheria notified than in the previous year, the number of deaths from this cause in 1909 (viz.:—10) only exceeded by one those due to the same cause in 1908 (viz.:—9).

Reference to column 5 of the accompanying table will shew that the type of case was on the whole of a mild character, and column 9 of the same table shews that the influence of Diphtheria on the death-rate is not above the average of recent years.

Year.	Estimated Population.	Total No. of Cases Notified.	No. of Deaths Registered.	Fatality per cent.	No. of Cases treated in Hospital.	Attack Rate per 1000 Population.	Percentage removed to Hospital.	Mortality per 1000 Population.
1	2	3	4	5	6	7	8	9
1890	42,000	50	10	20.0	1	1.19	2	0.23
1891	44,184	63	6	9.9	20	1.42	31.7	0.13
1892	46,354	43	11	25.5	2	0.92	4.6	0.23
1893	48,522	138	16	11.6	15	2.84	10.9	0.32
1894	52,977	117	23	11.1	29	2.20	24.7	0.43
1895	55,908	89	21	23.6	8	1.59	9	0.37
1896	58,839	95	12	12.6	24	1.61	25.2	0.20
1897	61,818	87	16	18.4	15	1.40	17.2	0.25
1898	64,743	99	11	11.1	45	1.52	45.4	0.17
1899	67,664	101	4	3.9	36	1.49	35.6	0.05
1900	70,597	107	14	13.0	37	1.52	34.8	0.19
1901	73,549	134	10	7.4	28	1.82	20.9	0.10
1902	75,623	99	9	9.0	35	1.31	35.3	0.11
1903	78,452	62	12	19.3	35	0.79	56.4	0.10
1904	84,227	101	7	6.9	56	1.19	56.0	0.08
1905	85,213	153	8	5.2	95	1.79	62.0	0.09
1906	86,877	157	13	8.2	97	1.80	61.7	0.14
1907	90,221	98	9	9.1	70	1.08	71.4	0.09
1908	90,814	93	9	9.6	51	1.02	54.8	0.09
1909	92,389	151	10	6.6	99	1.63	65.5	0.10

The remaining zymotic diseases, as causes of death, call for little remark.

Enteric Fever, which caused 2 deaths in 1908, did not, in any of the few cases occurring in the Borough in 1909, cause a single death.

Scarlet Fever caused 3 deaths in 1909, the same number as in 1908.

From **Measles** also the number of deaths, 12, was the same in 1909 as in 1908, although the disease was much more prevalent in 1909.

Whooping Cough caused one more death in 1909 than in 1908, 12 as against 11. The death-rate from this cause was 0.12 per 1,000 of the population.

From **Puerperal Fever** 2 deaths occurred, as compared with 3 in 1908 and 2 in 1907.

Ages at Death.—The ages at which deaths occurred are as follows:—

	1909	1908	1907	1906	1905	1904
Under 1 year	87	95	116	136	106	145
1 year and under 5 years	55	52	50	55	43	66
5 years and under 15 „	21	19	23	32	16	24
15 „ 25 „	27	33	16	34	24	28
25 „ 65 „	309	295	291	269	272	203
65 years and over ...	288	258	270	243	235	224
Total deaths ...	787	752	766	769	696	690

	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	The year.
<i>Total Deaths</i>	244	188	131	224	787
Death-rate per 1,000	10.5	8.1	5.6	9.6	8.5
„ England and Wales..	18.2	14.0	11.6	14.1	14.5
„ 76 Great Towns ..	18.7	13.9	11.8	14.3	14.7
<i>Deaths under 1 year</i>	24	22	15	26	87
Infantile Mortality	65	52	60	74	57
Do. England and Wales..	122	95	102	117	109
Do. 76 Great Towns ..	123	101	119	128	118
<i>Deaths 1 year—64 years</i>	126	95	74	117	412
Death-rate per 1,000 persons living at these ages	5.7	4.3	3.3	5.3	4.7
<i>Deaths 65 years and over</i>	94	71	42	81	288
Death-rate per 1,000 persons living at these ages	108.9	82.2	48.6	93.8	83.4

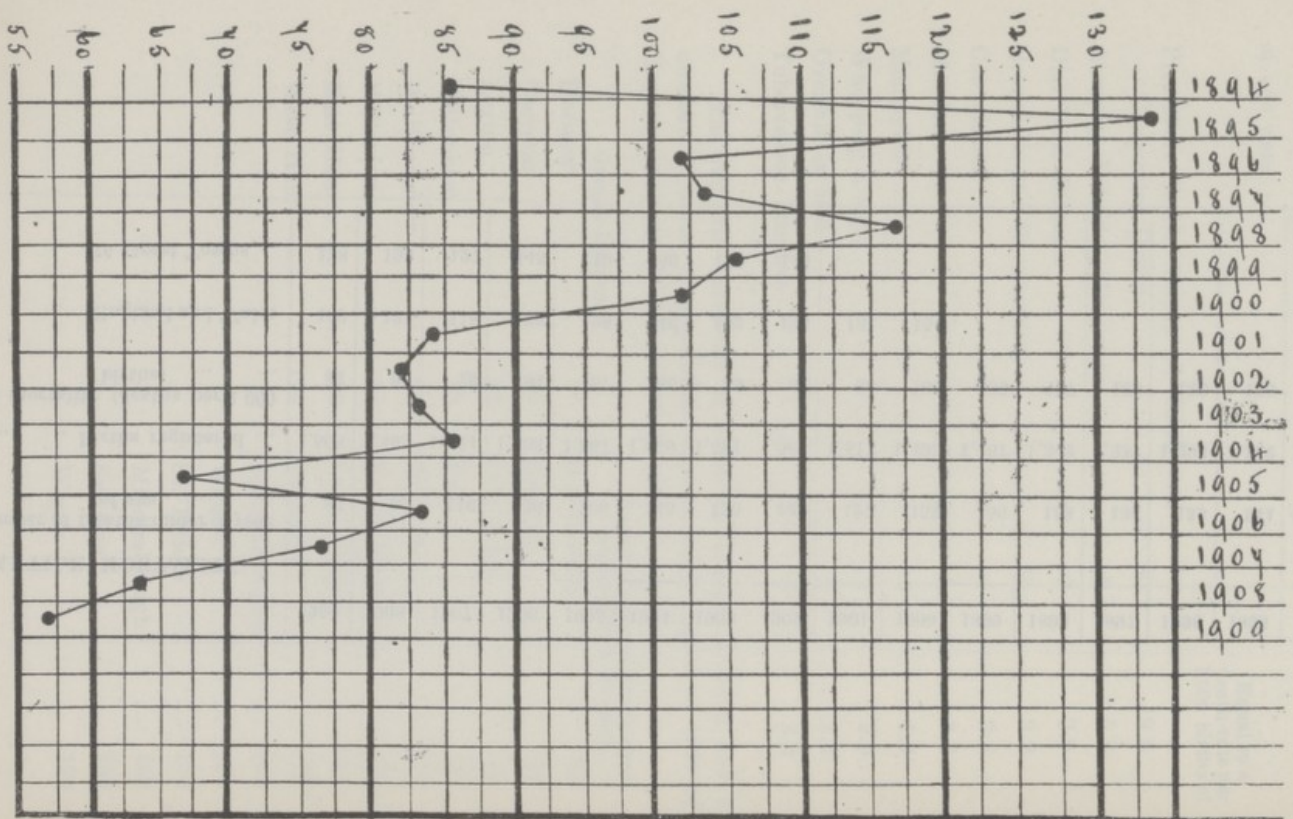
Infantile Mortality.—During the year 1909 there were 87 deaths of infants under 1 year of age, as against 95 in 1908, and an average of 129 for each of the years 1899-1908.

The infantile mortality for the year 1909, i.e., deaths under 1 year of age per 1,000 births, is 57, the lowest yet recorded in Hornsey. In 1908 the infantile mortality rate was 63, and the average rate of the 15 years 1894-1908 was 91, the highest being 133 in 1895 and the lowest 63 in 1908.

The following table gives the number of infantile deaths and the mortality for each Ward of the Borough:—

	Number of deaths under 1 year.		Infantile Mortality, i.e., deaths under 1 year per 1,000 births	
Highgate	10	...	54
Muswell Hill	8	...	53
Crouch End	6	...	63
West Hornsey	23	...	63
East Hornsey	19	...	79
North Haringey	12	...	61
South Haringey	0	...	0
Stroud Green	2	...	19
Finsbury Park	7	...	66
		—		—
The Borough	87	...	57
		—		—

South Haringey has the distinction of not having had recorded during the year a single death in a child under 1 year of age.



Infantile Mortality (deaths under 1 year per 1,000 births) 1894-1909.

	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894
INFANTILE MORTALITY.																
Total number of Deaths under 1 year of age	87	95	116	136	106	143	130	129	127	153	156	158	138	133	144	103
„ „ „ Births registered ...	1,508	1,485	1,524	1,603	1,567	1,659	1,561	1,565	1,511	1,493	1,461	1,342	1,337	1,294	1,142	1,186
Infantile mortality (deaths per 1,000 births)	57	63	76	84	67	86	83	82	84	102	106	117	103	102	133	86
„ „ „ England and Wales	109	121	118	133	128	146	132	133	151	154						
„ „ „ 76 Great Towns ...	118	128	127	145	140	160	144	145								

The principal causes of death among infants under one year of age were:—

						Equal to a death-rate per 1,000 births of
Premature Birth, Injury at Birth and						
Congenital Defects	...	...	...	30	...	19.8
Atrophy, Debility, Marasmus	...	...	...	8	...	5.3
Diarrhœal Diseases	...	...	...	6	...	3.9
Bronchitis and Pneumonia	...	...	...	14	...	9.2
Convulsions	...	...	...	4	...	2.6
Measles	...	...	...	5	...	3.3
Meningitis	...	...	...	3	...	1.9
Whooping Cough	...	...	...	4	...	2.6
Overlaid in Bed	...	...	...	2	...	1.3
Tuberculous Diseases	...	...	...	5	...	3.3

The infantile mortality of towns in Greater London and a number of towns of population approximately equal to that of Hornsey is shown in the following table:—

Greater London.				Towns of approximately equal population to Hornsey.		
Hornsey	...	...	57	Huddersfield	...	95
Croydon	...	...	80	Reading	...	95
Leyton	...	...	82	Devonport	...	96
Tottenham	...	...	89	York	...	99
Walthamstow	...	...	91	Rochdale	...	104
Willesden	...	...	97	Northampton	...	110
East Ham	...	...	100	Aston Manor	...	124
West Ham	...	...	124	Stockport	...	132
				Wolverhampton	...	138
				Walsall	...	139
				St. Helens	...	150
				Middlesbrough	...	158
				Swansea	...	159
				Wigan	...	173

Age.					Number of deaths.				
Under 1 month	...	...	...	...	34	{ Under 1 week ... 22 1 week and under 2 weeks 4 2 weeks " 3 " 4 3 " " 4 " 4			
1 month but under 2 months	...			...	15				
2 months	„	3	„	...	6				
3	„	„	4	„	5				
4	„	„	5	„	2				
5	„	„	6	„	7				
6	„	„	7	„	3				
7	„	„	8	„	5				
8	„	„	9	„	1				
9	„	„	10	„	1				
10	„	„	11	„	3				
11	„	„	12	„	5				
Total deaths under 1 year ...					87				

Of the 87 deaths of infants under 1 year of age, 22, or just over one-fourth, occurred during the first week of life, and considerably more than half the deaths under 12 months occurred during the first two months of life.

Full particulars of infantile deaths, as to causes and ages, are tabulated at the end of this report.

Deaths under one year of age of Illegitimate Children.—There were 27 illegitimate births registered during the year, and 8 deaths under 1 year of age of illegitimate children occurred. This gives an infantile mortality among illegitimate children of 296.

The number of legitimate births registered was 1,481, and the number of deaths under 1 year of age of legitimate children was 79. This gives an infantile mortality among legitimate children of 53.

The following table gives the principal Ward statistics:—

WARD.	Estimated population.	Birth-rate.	Death-rate.	Infantile mortality.
Highgate	13,331	13·7	7·7	54
Muswell Hill	13,167	11·3	6·3	53
Crouch End	5,951	15·9	6·8	63
West Hornsey	14,343	25·2	8·9	63
East Hornsey	13,033	18·4	9·2	79
North Haringey	10,086	17·6	9·6	61
South Haringey	5,969	15·0	6·7	0
Stroud Green	9,354	11·2	9·1	19
Finsbury Park	7,155	14·8	12·1	66
The Borough ..	92,389	16·3	8·5	57

Notifications of Infectious Disease.—The notifications of infectious disease received during the year shew an increase of 47 over those of 1908, the figures being 430 and 383, and are 2 fewer than those of 1907.

The increase is almost entirely due to a greater prevalence of Diphtheria this year, the increase of cases over 1908 being 58. There are also 16 cases of Phthisis included for the first time, owing to the notification of Poor Law cases.

In the case of every other disease there is a decrease of notifications as compared with 1908. Scarlet Fever shews a decrease of 18 in the notifications received, although 1908 was itself a year when the disease was prevalent to an extent much below the average.

In the case of Enteric Fever, only 4 notifications were received during the year. This disease shews an almost regular decline in the number of cases notified, from 48 in the year 1895 down to 11 in 1907, 9 in 1908 and 4 this year.

Erysipelas keeps fairly constant, and 37 cases notified this year is not far from the average.

The cases notified during each quarter of the year were as follows:—

1909.	Scarlet Fever.	Diphtheria	Enteric Fever.	Erysipelas	Puerperal Fever.	Small-Pox.	Phthisis.
During 1st quarter ..	51	30	0	12	0	0	6
2nd quarter ..	48	33	0	9	1	0	3
3rd quarter ..	57	29	2	7	0	0	5
4th quarter ..	65	59	2	9	0	0	2
Total ..	221	151	4	37	1	0	16

Table shewing the cases of infectious disease notified during 1909 and the 19 preceding years:—

Disease.	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900
Scarlet Fever...	221	239	283	411	261	197	203	261	501	186
Diphtheria ...	151	93	98	157	153	101	62	99	134	107
Enteric Fever...	4	9	11	25	20	16	15	38	35	32
Puerperal Fever	1	3	5	1	3	5	2	0	5	2
Erysipelas ...	37	39	34	37	39	40	25	33	40	45
Small Pox ...	0	0	0	0	1	0	2	35	10	0
Cerebro Spinal Meningitis ...	0	0	1	0	0	0	0	0	0	0
Phthisis... ..	16	0	0	0	0	0	0	0	0	0
Cholera	0	0	0	0	0	0	0	0	0	0
Total ...	430	383	432	631	477	359	309	466	725	372

Disease.	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890
Scarlet Fever ...	349	168	264	530	420	189	366	234	143	139
Diphtheria ...	101	99	87	96	93	117	139	43	64	50
Enteric Fever...	22	31	31	35	46	40	25	21	15	32
Puerperal Fever	1	0	2	5	4	6	6	8	1	0
Erysipelas ...	42	51	39	39	45	51	70	32	25	17
Small Pox ...	2	0	0	4	5	3	11	2	0	1
Cerebro Spinal Meningitis ...	0	0	0	0	0	0	0	0	0	0
Phthisis	0	0	0	0	0	0	0	0	0	0
Cholera	0	0	0	0	0	0	1	0	0	0
Total ...	517	349	423	709	613	406	618	340	248	239

In spite of the greater prevalence of Diphtheria, and of the addition of cases of Phthisis to the list, the total number of cases of infectious disease notified is well below the average of the past 14 years.

Diphtheria was chiefly prevalent during the last quarter of the year. The cases were for the most part of a mild type, and

the mortality from the disease was, in fact, less than in many years when the disease was less prevalent.

The extreme mildness of many of the cases was, indeed, the chief factor in the spread of the disease. Cases frequently occurred where, owing to the slight illness in the primary case, several other persons had been infected before the nature of the disease was recognized, and consequently no steps towards prevention had been taken.

The occurrence of the cases in the different Wards is shown below:—

	Scarlet Fever.	Diphtheria	Enteric Fever.	Erysipelas	Puerperal Fever.	Phthisis.	Total.
Highgate ..	42	29	1	5	1	1	79
Muswell Hill ..	34	16	1	3	0	1	55
Crouch End ..	23	7	0	1	0	0	31
West Hornsey..	45	29	1	8	0	7	90
East Hornsey ..	27	14	0	7	0	6	54
North Haringey	21	30	1	3	0	1	56
South Haringey	7	8	0	2	0	0	17
Stroud Green ..	8	8	0	7	0	0	23
Finsbury Park..	14	10	0	1	0	0	25
Total ..	221	151	4	37	1	16	430

The attack rate per 1,000 of the population for the chief of these diseases during the last eight years was as follows:—

	1909	1908	1907	1906	1905	1904	1903	1902
Scarlet Fever ...	2.39	2.63	3.13	4.73	3.06	2.33	2.58	3.45
Diphtheria ...	1.63	1.02	1.08	1.80	1.79	1.19	0.79	1.31
Enteric Fever ...	0.04	0.09	0.12	0.28	0.23	0.18	0.19	0.50
Erysipelas ...	0.40	0.42	0.37	0.42	0.45	0.47	0.31	0.43
Small Pox ...	0.0	0	0	0	0.01	0	0.06	0.47
Phthisis ...	0.17	0	0	0	0	0	0	0

Isolation Hospital.—More patients were admitted to the Hospital in 1909 than in any year in its history.

As compared with the previous year there were 179 more patients admitted in 1909, viz.:—673 in 1909 and 494 in 1908.

The following table gives particulars of the admissions of patients in recent years.

From the following tables it will be seen that Hornsey and Wood Green made use of the Hospital in almost equal degree, 272 cases being admitted from Hornsey and 270 from Wood Green. While there was a slight increase in the admission of Hornsey patients, as compared with 1908, the number of Wood Green patients admitted in 1909 was nearly double the number admitted from the same district in 1908.

From Finchley 130 cases were admitted in 1909, almost the same number as in the previous year.

	1909.	1908.	1907.	1906.	1905.
Patients in Hospital Jan. 1st	68	109	105	74	53
Patients admitted during the year	673	494	594	628	419
	741	603	699	702	472
Patients discharged during the year	606	518	572	567	388
Patients dying during the year	24	17	18	30	10
	630	535	590	597	398
Patients remaining in Hospital Dec. 31st ...	111	68	109	105	74

At the beginning of the year there were 68 patients in the Hospital, viz., 35 Hornsey patients, 14 from Finchley, and 19 from Wood Green. The cases were:—

	Scarlet Fever.	Diphtheria	Enteric Fever.	Total.
Hornsey	24	11	0	35
Finchley	9	3	2	14
Wood Green	15	4	0	19
	48	18	2	68

During the year there were 673 cases admitted, as follows:—

		Scarlet Fever.	Diphtheria.	Enteric Fever.	Total.
Hornsey	... ..	173	99	0	272
Finchley	... ..	67	60	3	130
Wood Green	... ..	229	41	0	270
Friern Barnet	... ..	0	1	0	1
		—	—	—	—
		469	201	3	673
		—	—	—	—

There were 8 fewer cases admitted from Finchley, compared with 1908, 56 more cases were admitted from Hornsey, and 130 more from Wood Green.

At the end of the year there were 111 cases in the Hospital, viz.:—

		Scarlet Fever.	Diphtheria.	Enteric Fever.	Total.
Hornsey	... ..	33	18	0	51
Finchley	... ..	9	10	0	19
Wood Green	... ..	34	7	0	41
		—	—	—	—
		76	35	0	111
		—	—	—	—

The following table shows the number of cases of each disease admitted during each month of the year, and the districts from which the patients were admitted:—

	HORNSEY CASES.				FINCHLEY CASES.				WOOD GREEN CASES.				Grand Total for the month.
	Scarlet Fever.	Diphtheria.	Enteric Fever.	Total.	Scarlet Fever.	Diphtheria.	Enteric Fever.	Total.	Scarlet Fever.	Diphtheria.	Enteric Fever.	Total.	
January ...	10	5	0	15	4	22	0	26	12	6	0	18	59
February	17	6	0	23	4	4	0	8	12	5	0	17	48
March ...	13	9	0	22	2	4	1	7	10	1	0	11	40
April ..	11	7	0	18	9	4	1	14	11	2	0	13	45
May ...	15	11	0	26	11	1	0	12	14	1	0	15	53
June ...	13	5	0	18	8	0	0	8	31	3	0	34	60
*July ...	13	11	0	24	3	0	0	3	35	2	0	37	65
August ..	12	2	0	14	5	0	0	5	25	3	0	28	47
September	17	5	0	22	5	5	1	11	29	6	0	35	68
October ...	15	16	0	31	4	6	0	10	17	4	0	21	62
November	26	14	0	40	8	8	0	16	16	1	0	17	73
December	11	8	0	19	4	6	0	10	17	7	0	24	53
Total for the year	173	99	0	272	67	60	3	130	229	41	0	270	673

* One Diphtheria Patient admitted from Friern Barnet.

	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
Number of cases of Diphtheria notified in Hornsey	117	89	95	87	99	101	107	134	99	62	101	153	157	98	93	151
Death rate per 1,000 of the population from Diphtheria	0·43	0·37	0·20	0·25	0·17	0·05	0·19	0·10	0·11	0·10	0·08	0·09	0·14	0·09	0·09	·10
Number of cases of Diphtheria admitted to the Isolation Hospital...	29	8	24	15	45	37*	45*	30*	50*	71*	92*	127*	157*	159*	113*	201*
Mortality per cent. of cases treated in the Hospital..	24%	25%	4%	20%	13%	13%	11%	16%	14%	11%	4%	5%	8%	5%	5%	7%

* Cases admitted to Hospital from districts outside the Borough are included in these figures.

The number of outside cases of Diphtheria was for each year :

1899	1 case from outside the Hornsey Borough (or Urban Dist.)
1900	8 cases do.
1901	2 „ do.
1902	15 „ do.
1903	36 „ do.
1904	36 „ do.
1905	32 „ do.
1906	60 „ do.
1907	89 „ do.
1908	62 „ do.
1909	102 „ do.

NUMBER OF CASES TREATED.						NUMBER OF CASES TREATED FROM :—					DEATHS.				Case Mortality.
	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Cerebro Spinal Meningitis.	Total.	Finchley.	Friern Barnet.	Wood Green.	Hornsey.	Total.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Total.	
1909	517	219	5	-	741	144	1	289	307	741	7	17	-	24	3.2
1908	449	139	15	-	603	161	-	188	254	603	9	8	-	17	2.8
1907	500	181	17	1	699	127	-	261	311	699	6	10	2	18	2.5
1906	506	173	23	-	702	133	-	167	402	702	13	15	2	30	4.2
1905	318	139	15	-	472	94	-	64	314	472	2	7	1	10	2.1
1904	258	102	5	-	365	162	-	-	203	365	2	4	1	7	1.9
1903	204	82	10	-	296	92	1	-	203	296	1	8	-	9	3.0
1902	298	50	16	-	364	81	10	-	273	364	2	7	2	11	3.0
1901	349	31	7	-	387	2	2	-	383	387	-	5	-	5	1.3
1900	138	50	9	-	197	5	4	-	188	197	1	5	3	9	4.5

The number of patients admitted to the Hospital was smallest in March (40 cases) and highest in November (73 cases).

The cost of maintenance (provisions) per inmate (patients and resident staff) per head per week was as follows:—

in 1909	...	5s.	8 $\frac{1}{4}$ d.	per head per week		
1908	...	5s.	11 $\frac{3}{4}$ d.		„	„
1907	...	6s.	5d.		„	„
1906	...	6s.	2 $\frac{1}{2}$ d.		„	„
1905	...	6s.	8 $\frac{1}{2}$ d.		„	„
1904	...	7s.	7d.		„	„
1903	...	8s.	7 $\frac{1}{4}$ d.		„	„

Scarlet Fever.—The number of cases notified in Hornsey during 1909 was 221, and of these 173, equal to 78 per cent. of the cases notified, were admitted to the Isolation Hospital.

There were also 67 cases of Scarlet Fever admitted from Finchley and 229 from Wood Green.

There were seven deaths in the Hospital during the year from Scarlet Fever, giving a case mortality of 1.3 per cent. of the cases of Scarlet Fever under treatment.

Diphtheria.—There were 151 cases of Diphtheria notified in the Borough during the year, and of these 99 cases (equal to 65 per cent. of those notified) were admitted to the Isolation Hospital.

There were also 60 cases of Diphtheria admitted from Finchley and 41 from Wood Green.

There were 17 deaths in the Hospital during the year from Diphtheria, giving a case mortality of 7.7 per cent. of the cases of Diphtheria under treatment.

Enteric Fever.—There were four cases of this disease notified in the Borough during the year, none of which were admitted to the Borough Hospital.

There were 3 cases of Enteric Fever admitted from Finchley, all of whom recovered.

Municipal Laboratory.—During the year 1,791 specimens were examined from patients who were, or were suspected to be, suffering from Diphtheria. Of these 1,493 were specimens taken at the Hospital, and 298 specimens were sent in by Medical men practising in the district.

There were 43 specimens sent by Medical practitioners for examination from suspected cases of Tuberculosis, and 17 miscellaneous specimens were received and examined.

There were also 31 specimens examined from children suffering from Ringworm who were scholars at the public elementary schools.

Altogether 1,882 specimens were examined in the Bacteriological Laboratory, of which 358 were received from Medical men practising in the district. Last year there were 173 specimens received from Medical practitioners.

There were 1,624 samples of sewage and effluent analysed and reported on.

There were also 34 samples of drinking water examined, and in every case the sample was found to be quite satisfactory.

Eleven miscellaneous samples were also examined.

Diseases of Animals Acts.—There were two outbreaks of Glanders during the year, and 2 horses were destroyed. The Council paid £10 to the owners as compensation, in accordance with the Glanders Order, for the loss of these horses.

There were 4 certificates for the movement of swine issued.

The following table shews the number of dogs seized and dealt with, for the nine months ending 30th September, under the Dogs Act, 1906:—

	DOGS.			
	Seized by Police.	Claimed by Owners.	Sold.	Des- troyed.
1st Quarter ...	136	6	9	121
2nd „ ...	126	12	5	109
3rd „ ...	107	8	10	89
Totals for the 9 months	369	26	24	319

The Agreement between the Council and the Commissioner of Police, for the keep and destruction of stray dogs, expired on the 30th September.

Employment of Children Act, 1903.—The Report of the Chief Inspector for the year ended December 31st, 1909, is as follows:—

“It would appear from the Officers’ reports that the number of children employed under the provisions of the above Act differ very little from year to year. Of the 93 cases of illegal employment recorded, 59 children were engaged during prohibited hours, 15 in occupations not allowed by the Bye-laws, while 19 were under the prescribed age.

In all cases the notice served on the employer had the desired effect, and legal proceedings were not necessary.

The working arrangement with the London Authority has proved very useful in stopping the influx of children from the Metropolitan area.”

Inspection of Meat and other Foods.—All the Inspectors have obtained the special certificate granted by the Royal Sanitary Institute for this work, and the whole of the slaughter-houses and butchers’ shops are kept under observation by them.

There are nine slaughter-houses and seventy-six butchers’ shops in the Borough. Four of the slaughter-houses are only used occasionally and for slaughtering sheep.

Frequent inspections are made of the slaughter-houses during the time of slaughtering and also at other times. Special attention is paid to butchers’ shops at the latter part of the week, when the stock is usually largest.

At the time of inspection no tuberculous carcasses were found, but a pluck from a bullock was found to be affected; this was immediately surrendered and destroyed by the Corporation at their destructor.

Diseased and Unsound Food.—The following articles have been destroyed at the instance of the Local Authority during the year:—

- 47 lbs. Offal (Liver, Lungs, etc.)
- 11 lbs. Pears.
- 15 lbs. Strawberries.
- 2 doz. Oranges.
- 24 lbs. Greengages.

Factory and Workshop Act, 1901.—Register of Workshops.—The number of Workshops on the Register at the end of 1908 was 332. During the year 1909 46 workshops have been added and 6 taken off the Register, so that at the end of 1909 there were 368 workshops on the Register in Hornsey.

They were as follows:—

Dressmakers	...	...	...	...	73
Milliners	...	...	...	...	30
Bootmakers and repairers	...	...	...	...	46
Cycle makers and repairers	...	...	...	...	6
Farriers	...	...	...	...	3
Picture Frame makers	...	...	...	...	3
Children's Outfitters	...	...	...	...	1
Tailors	...	...	...	...	25
Laundries	...	...	...	...	25
Restaurant Kitchens	...	...	...	...	35
Bakers	...	...	...	...	42
Miscellaneous	...	...	...	...	79

711 inspections were made and 61 written notices were served. The number of sanitary defects discovered and remedied was 92.

As in previous years, want of cleanliness is the most frequent defect to be dealt with.

In 40 cases, comparing with 30 for the previous year, the occupier was requested to cleanse, and this was immediately done.

During the year 2 cases of overcrowding were found, and in each case the nuisance was at once abated.

In 32 cases the sanitary accommodation was found to be unsuitable, insufficient or defective. At 1 workshop separate accommodation was not provided for each sex. These nuisances were, however, remedied on the occupier's attention being called to the matter.

Home Work.—There are 77 persons on the list of home-workers, an increase of 14 during the year. In every case the premises occupied have been inspected, but no insanitary condition existed. No case of infectious disease has occurred in a house occupied by a home-worker.

Bakehouses.—There are 42 bakehouses in the Borough, being one more than in 1908.

There are 5 underground bakehouses in the Borough.

Frequent inspections have been made of bakehouses, restaurant kitchens, places where ice cream is made, and other business premises concerned in the preparation of food, and, speaking generally, the conditions found were satisfactory.

Dairies and Milkshops, numbering 74, and 3 Cowsheds in the Borough, have been frequently inspected.

In 12 instances contravention of the bye-laws or regulations have been found, and the matters were at once attended to.

The number of premises now on the list for periodical inspection is 907, as compared with 715 for last year, 705 for 1907, 525 for 1906, 495 for 1905, 412 in 1904, and 152 in 1903.

Preliminary notices issued numbered 713, and statutory notices 166.

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE YEAR 1909, FOR THE BOROUGH OF HORNSEY

on the administration of the Factory and Workshop Act, 1901,
in connection with

FACTORIES, WORKSHOPS, WORKPLACES, AND HOME WORK.

1.—INSPECTION OF FACTORIES, WORKSHOPS, & WORKPLACES, INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries.)	68	3	0
Workshops (Including Workshop Laundries).	602	49	0
Workplaces (Other than Outworkers' premises included in Part 3 of this Report).	109	12	0
Total	779	64	0

2.—DEFECTS FOUND in FACTORIES, WORKSHOPS, & WORKPLACES

Particulars.	Number of Defects.			Number of Prosecu- tions.	
	Found.	Remedied.	Referred to H.M. Inspector.		
<i>Nuisances under the Public Health Acts :—</i>					
Want of cleanliness... ..	40	40	0	0	
Want of ventilation... ..	0	0	0	0	
Overcrowding	2	2	0	0	
Want of drainage of floors ..	1	1	0	0	
Other nuisances	14	14	0	0	
†Sanitary ac- commodation {	insufficient	2	2	0	0
	unsuitable or de- fective	30	30	0	0
	not separate for sexes	1	1	0	0
<i>Offences under the Factory and Work- shop Act :—</i>					
Illegal occupation of underground bakehouse (S. 101)	0	0	0	0	
Breach of special sanitary require- ments for bakehouses (SS. 97 to 100)	0	0	0	0	
Other offences	2	2	0	0	
(Excluding offences relating to outwork which are included in Part 3 of this Report)					
Total	92	92	0	0	

† Public Health Acts Amendment Act, 1890, Part 3, adopted Oct., 1890.

3.—HOME WORK.

NATURE OF WORK.	OUTWORKERS' LISTS. SECTION 107.												Inspections of Outworkers' premises	OUTWORK IN UNWHOLESOME PREMISES, SECTION 108.			OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110.		
	Lists received from Employers.						Addresses of Outworkers. <div>Received from other Councils. Forwarded to other Councils. Notices served on Occupiers as to keeping or sending lists.</div>			Prosecutions. <div>Failing to keep or permit inspection of lists. Failing to send lists.</div>		Instances.		Notices served.	Prosecutions.	Instances.	Orders made (S. 110).	Prosecutions (Sections 109, 110)	
	Sending Twice in the year			Sending Once in the year.															
	Outworkers.			Outworkers.			Received from other Councils.	Forwarded to other Councils.	Notices served on Occupiers as to keeping or sending lists.	Failing to keep or permit inspection of lists.	Failing to send lists.								Instances.	Notices served.	Prosecutions.	Instances.	Orders made (S. 110).	Prosecutions (Sections 109, 110)
	Lists.	Con- tractors.	Work- men.	Lists.	Con- tractors.	Work- men.													
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
Wearing Apparel –																			
(1) making, &c. ...	36	0	115	4	0	9	109	106	0	0	0	146	0	0	0	0	0	0	
(2) cleaning and washing ...																			
Lace, lace curtains and nets ...																			
Artificial Flowers ...																			
Nets, other than wire nets ...																			
Tents ...																			
Sacks ...																			
Furniture and Upholstery ...																			
Fur pulling ...																			
Feather sorting ...																			
Umbrellas, &c. ...																			
Carding, &c., of Buttons, &c. ...																			
Paper Bags and Boxes ...																			
Basket making ...																			
Brush making ...																			
Racquet and Tennis Balls ...																			
Stuffed Toys ...																			
File making ...																			
Electro Plate ...																			
Cables and Chains ...	2	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Anchor and Grapnels ...																			
Cart Gear ...																			
Locks, Latches and Keys ...																			
Pea Picking ...																			
TOTAL ...	38	0	122	4	0	9	109	106	0	0	0	146	0	0	0	0	0	0	

4.—REGISTERED WORKSHOPS.

Workshops on the Register at the end of the year.								Number.
(1)								(2)
Bakehouses	...	...	...	...	...	...	...	42
Laundries ...	...	...	...	...	...	...	...	32
Restaurant Kitchens	...	...	...	...	...	...	...	35
Miscellaneous	...	...	...	...	...	...	...	288
Total number of workshops on Register								397

5.—OTHER MATTERS.

	Class. (1)	Number. (2)
Matters notified to H.M. Inspector of Factories :—		
Failure to affix Abstract of the Factory and Workshop Act (s. 133) ...		11
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5)	Notified by H.M. Inspector	2
	Reports (of action taken) sent to H.M. Inspector ...	2
Other ...		6
Underground Bakehouses (s. 101) :—		
Certificates granted during the year		0
In use at the end of the year		5

VITAL STATISTICS OF WHOLE BOROUGH DURING 1909, AND PREVIOUS YEARS.

Name of District:—HORNSEY.

YEAR.	Popula- tion esti- mated to Mid- dle of each Year.	BIRTHS.		Total Deaths Registered in the District.				TOTAL DEATHS IN PUB- LIC IN- STITU- TIONS IN THE DIS- TRICT.	Deaths of Non- resi- dents regis- tered in Public Institu- tions in the District	Deaths of Resi- dents regis- tered in Public Institu- tions beyond the Di- strict.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Num- ber.	Rate.*	UNDER ONE YEAR OF AGE.		AT ALL AGES.					Num- ber.	Rate.*
				Num- ber.	Rate per 1,000 Births regis- tered.	Num- ber.	Rate.*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1899	67,664	1,461	21.60	156	106	682	10.08	8	5	17	694	10.25
1900	70,597	1,493	21.15	153	102	619	8.77	11	9	14	624	8.84
1901	73,549	1,511	20.55	127	84	597	8.12	5	2	22	617	8.34
1902	75,623	1,565	20.71	129	82	620	8.20	7	6	25	639	8.44
1903	78,452	1,561	19.91	130	83	589	7.51	13	7	22	604	7.69
1904	84,227	1,659	19.69	145	86	660	7.81	8	3	33	690	8.19
1905	85,213	1,567	18.38	106	67	607	7.12	17	12	101	696	8.16
1906	86,877	1,603	18.45	136	84	672	7.73	35	20	117	769	8.85
1907	90,221	1,524	16.89	116	76	635	7.03	26	18	149	766	8.49
1908	90,814	1,485	16.35	95	63	654	7.20	17	14	112	752	8.29
Aver- ages for years 1899- 1908	80,323	1,542	19.36	129	83	633	7.95	14	9	61	685	8.55
1909	92,389	1,508	16.32	87	57	696	7.53	43	36	127	787	8.51

* Rates in columns 4, 8 and 13 calculated per 1,000 of the estimated population.

Area of District in acres (exclusive of area covered by water) ... 2,863.442

Total population at all ages	72,056	} At Census of 1901.
Number of inhabited houses ...	...	...	...	...	12,571
Average number of persons per house ..	...	...	...	...	5½

1. Institutions within the Dis- trict receiving sick and in- firm persons from outside the District.	2. Institutions outside the District receiving sick and infirm persons from the District.	3. Other Institutions, the deaths in which have been distributed among the sev- eral localities in the District.
Isolation Hospital, Mus- well Hill.	Workhouse and Infirm- ary, Edmonton.	
Cromwell House Conval- escent Home.	Small Pox Hospital, Summers Lane, Finch- ley.	
Santa Claus Home	Fever Hospital, Liver- pool Road.	
All Saints' Convalescent Home.	Middlesex County Asy- lum, Napsbury.	
	Various London Hos- pitals.	

Union Workhouse not in Borough.

TABLE II.

VITAL STATISTICS OF SEPARATE LOCALITIES IN 1909 AND PREVIOUS YEARS.

Name of District:—HORNSEY.

Names of Localities.		1.—The whole district.				2.—Highgate.				3.—Muswell Hill.				4.—Crouch End.				5.—West Hornsey.				6.—East Hornsey.				7.—North Haringey.				8.—South Haringey.				9.—Stroud Green.				10.—Finchley Park.			
Year.	Population and mortality of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population and mortality of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population and mortality of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population and mortality of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population and mortality of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population and mortality of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population and mortality of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population and mortality of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population and mortality of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.					
	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.					
1899	67,664	1,661	694	156																																					
1900	70,597	1,493	624	153																																					
1901	73,549	1,511	617	137																																					
1902	76,623	1,565	639	129																																					
1903	78,432	1,561	604	130																																					
1904	84,277	1,659	690	145																																					
1905	85,213	1,567	696	106	12,101	178	95	17	10,613	157	73	6	5,362	70	38	4	12,131	330	135	34	12,125	290	97	15	10,186	220	86	16	5,938	94	51	4	9,518	90	57	2	7,239	120	74	8	
1906	86,877	1,603	769	136	12,287	198	109	17	11,424	167	71	12	5,470	100	33	8	12,697	330	141	40	12,590	347	114	25	10,208	207	101	17	5,812	105	56	4	9,530	106	66	2	7,059	121	78	11	
1907	90,121	1,524	766	116	12,901	190	125	11	12,314	167	72	6	5,723	78	36	4	13,732	344	136	30	12,979	348	126	32	10,785	188	90	12	5,872	96	60	7	9,683	94	69	5	6,902	115	62	9	
1908	90,814	1,483	732	95	13,100	166	102	8	12,865	160	83	7	5,782	76	48	7	14,054	351	129	29	12,842	362	112	20	10,090	196	98	13	5,753	73	39	2	9,575	96	64	1	7,053	106	77	9	
Average of Years 1900 to 1908.	80,323	1,542	685	129																																					
1909	92,369	1,503	787	87	13,331	182	103	10	13,167	149	84	8	4,951	94	41	6	14,343	362	128	23	13,093	340	121	19	10,096	178	97	12	5,960	90	60	0	9,354	103	66	2	7,155	106	87	7	



TABLE III.

Cases of Infectious Disease notified during the Year 1909.

Name of District:—HORNSEY.

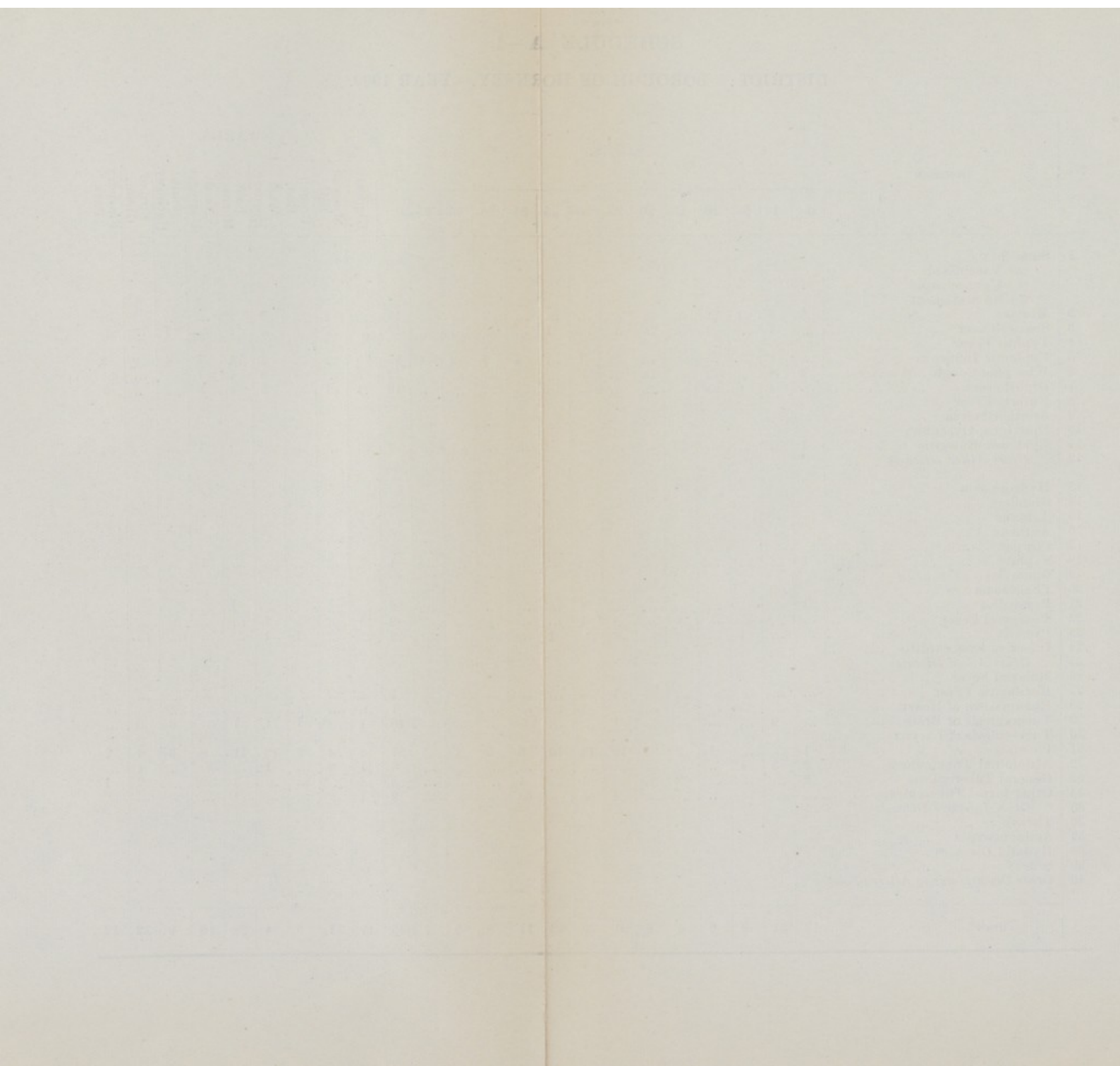
NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.									No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY									Total cases removed
	At all Ages.	At Ages—Years.						1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	
		Under 1.	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards.	Highbate.	Muswell Hill.	Crouch End.	West Hornsey.	East Hornsey	North Haringey.	South Haringey.	Stroud Green.	Finbury Park.	Highbate.	Muswell Hill. (H)	Crouch End.	West Hornsey.	East Hornsey	North Haringey	South Haringey.	Stroud Green.	Finbury Park.	
Small-pox ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cholera	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria (including Membranous croup)	151	1	27	95	17	11	—	29	16	7	29	14	30	8	8	10	17	12	2	28	9	19	5	2	5	1
Erysipelas	37	2	1	6	6	20	2	5	3	1	8	7	3	2	7	1	—	—	—	—	—	—	—	—	—	—
Scarlet fever	221	—	45	139	23	14	—	42	34	23	45	27	21	7	8	14	30	17	16	43	24	21	5	5	12	1
Typhus fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enteric fever	4	—	—	1	2	1	—	1	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Relapsing fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Continued fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal fever	1	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Plague	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Phthisis	16	—	—	2	—	14	—	1	1	—	7	6	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	430	3	73	243	48	61	2	79	55	31	90	54	56	17	23	25	47	29	18	71	33	40	10	7	17	2

ISOLATION HOSPITAL Name and Situation } Hornsey Borough Isolation Hospital,
Coppett's Road, Muswell Hill.Total available
beds ... 130Number of diseases that can
be concurrently treated ... 3

SCHEDULE A.—1.

DISTRICT:—BOROUGH OF HORNSEY.—YEAR 1909.

No	Diseases.	AGES.														All Ages.	WARDS.									
		0-	1-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	85-	Highgate.		Muswell Hill.	Crouch End.	West Hornsey.	East Hornsey.	North Haringey.	South Haringey.	Stroud Green.	Finsbury Park.		
1	Small pox (a) Vaccinated (b) Unvaccinated (c) No Statement																									
2	Measles	5	5	1	1	12	...	1	...	9	2		
3	Scarlet Fever	1	..	1	1	3	2	...	1		
4	Typhus Fever . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Epidemic Influenza	1	3	1	...	4	3	2	1	15	3	2	...	3	1	1	1	2	2		
6	Whooping Cough	4	8	12	3	...	1	3	4	1		
7	Diphtheria	4	6	10	1	1	...	3	1	2	1	...	1		
8	Enteric Fever . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Asiatic Cholera . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Diarrhoea, Dysentery . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	Epidemic Enteritis	1	1	1		
12	Other Allied Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Hydrophobia . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Glanders . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	Tetanus . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Anthrax . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	Cowpox . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Syphilis	1	1	1		
19	Gonorrhœa . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	Phagedæna . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	Erysipelas	1	1	2	2		
22	Puerperal Fever	1	1	2	1	1		
23	Pyæmia	1	1	2	1	1		
24	Infective Endocarditis . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	Other Allied Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	Malarial Fever . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	Rheumatic Fever . . . . .	...	...	...	...	...	...	1	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...
28	Rheumatism of Heart . . . . .	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	1
29	Tuberculosis of Brain . . . . .	...	9	...	...	...	...	1	...	...	...	...	...	...	10	1	...	1	1	...	3	3	...
30	Tuberculosis of Larynx . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	Phthisis	1	1	2	5	12	14	10	6	5	1	...	57	5	4	3	12	11	8	3	4	7		
32	Abdominal Tuberculosis...	2	3	1	6	1	3	...	1	1	...		
33	General Tuberculosis ..	2	2	...	2	1	...	1	8	3	2	...	2	1	...		
34	Other forms Tuberculosis	1	1	2	1	1		
35	Other Infective Diseases		
36	Thrush . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
37	Actinomycosis . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
38	Hydatid Diseases . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39	Scurvy . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
40	Other Diseases due to Altered Food	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Totals...	17	31	9	2	4	6	21	20	12	11	8	3	1	145	17	11	6	34	28	16	9	12	12		



No.	Diseases.	AGES.															All Ages.	WARDS.									
		0-	1	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	85-	Higgate.	Muswell Hill.		Crouch End.	West Hornsey.	East Hornsey.	North Haringey.	South Haringey.	Stroud Green.	Finsbury Park.			
41	Acute Alcoholism																										
42	Chronic Alcoholism																										
43	<i>Chronic Industrial Poisonings</i>																										
44	<i>Other Chronic Poisonings</i>																										
45	Osteo-arthritis																										
46	Gout												1		1												
47	Cancer					1		2	8	11	22	19	12		75	9	10	4	5	11	6	4	13	13			
48	Diabetes Mellitus				1		1			1	8	5	1		17	3	2	1	2	2	1	3		3			
49	Purpura Hemorrhagica ...																										
50	Hæmophilia																										
51	Anæmia						1	1				2			4						1		1	2			
52	Lymphadenoma																										
53	Premature Birth	17													17	2	3	1	3	4	2		1	1			
54	Injury at Birth	3													3		1		1					1			
55	Debility at Birth	6													6		1		3	1				1			
56	Atelectasis	3													3	1					1			1			
57	<i>Congenital Defects</i>																										
	" Heart Disease	1	2												3	1			1		1						
	" Defects	1													1	1											
58	Want of Breast Milk	1													1					1							
59	Atrophy, Debility, Marasmus	8													8	2		1	2		2			1			
60	Dentition	1													1					1							
61	Rickets																										
62	Old Age, Senile Decay ...										1	10	37	18	66	10	12	2	7	9	7	4	9	6			
63	Convulsions... ..	3		1											4		1		2	1							
64	Meningitis	3	2						1						6	2			1	1	2						
65	Encephalitis																										
66	Apoplexy								1	6	14	10	9	4	41	6	2	4	7	7	6	3	3	6			
67	Softening of Brain					1						2			3				1			1		1			
68	Hemiplegia								1		1		2		4		1						2	1			
69	General Paralysis of Insane							1	1	2	1				5		1		1	1			2				
70	Other forms of Insanity ...										1				1	1											
71	Chorea			1											1					1							
72	Cerebral Tumour							1	1	2	1				5	2	1				1		1				
73	Epilepsy							1	1	1		1			4			1	1				1	1			
74	Laryngismus Stridulus ...																										
75	Locomotor Ataxy																										
76	Paraplegia						1		1			2	1		5		1		1		2		1				
77	<i>Other forms, Brain Diseases</i>																										
	Myelitis								1						1					1							
	Myasthenia Gravis ...										1				1				1								
78	Otitis																										
79	Disease of Nose, Epistaxis																										
80	Diseases of Eye																										
81	Pericarditis... ..																										
82	Endocarditis			1	1	4		6	6	13	12	13	6	2	64	10	6	1	12	12	10	2	7	4			
83	Hypertrophy of Heart ...											1			1								1				
84	Angina Pectoris									2	1	2			5		1				1	1	2				
85	Aneurism												1		1					1							
86	Senile Gangrene																										
87	Embolism, Thrombosis ...						1	1				1	1	3	7	3	1	1				1	1				
88	Phlebitis																										
89	Varicose Veins																										
	Totals	47	4	3	2	6	4	13	22	38	63	68	71	27	368	53	45	16	50	55	43	19	45	42			

No.	Diseases.	AGES.														All Ages.	WARDS.												
		0-	1-	5-	10-	15	20-	25-	35-	45-	55	65-	75-	85-	Highgate.		Muswell Hill.	Crouch End.	West Hornsey.	East Hornsey.	North Haringey.	South Haringey.	Stroud Green.	Finbury Park.					
90	<i>Other Diseases, Heart and Vessels</i>																												
	Fatty Degeneration of Heart	..	..	..	..	..	..	..	1	1	3	3	1	..	9	..	1	1	2	2	..	1	1	1	..	..	..	..	..
	Syncope...	1	1	..	..	..	..	1	..	1	..	..	..	..	4	..	..	..	1	1	1	..	1	..	1	..	..	..	..
	Arterio Sclerosis	..	..	..	..	..	..	..	..	..	..	2	1	..	3	..	..	1	..	..	..	..	..	..	..	..	..	..	..
91	Laryngitis...	..	..	2	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	..	1	..	..	..	..	..	..	..	..
92	Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
93	<i>Other Diseases, Larynx & Trachea</i>																												
94	Acute Bronchitis...	6	2	..	..	..	..	..	..	..	1	8	11	4	32	5	..	1	4	7	4	2	2	7	..	..	..	..	..
95	Chronic Bronchitis	..	..	..	..	..	..	..	..	4	5	9	7	1	26	5	4	..	2	2	4	1	3	5	..	..	..	..	..
96	Lobar Pneumonia	..	..	..	..	..	..	1	1	2	1	2	1	..	8	2	2	..	..	..	3	..	..	1	..	..	..	..	..
97	Lobular Pneumonia	4	11	..	..	..	..	..	1	..	2	2	3	..	23	3	..	3	5	4	4	1	1	2	..	..	..	..	..
98	Pneumonia	4	2	..	..	..	..	4	4	2	2	5	2	..	25	1	3	1	9	1	5	..	2	3	..	..	..	..	..
99	Emphysema, Asthma	..	..	..	..	..	..	..	1	1	5	4	3	..	14	5	1	..	..	5	2	1	..	..	..	..	..	..	..
100	Pleurisy	..	..	..	..	..	..	..	..	..	..	2	..	..	2	..	..	1	1	..	..	..	..	..	..	..	..	..	..
101	<i>Other Diseases, Respiratory System</i>																												
102	<i>Diseases of Mouth and Annexa</i>																												
103	Diseases of Pharynx	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	1	..	..	..	..	..	..
104	Diseases of Oesophagus	..	..	..	..	..	..	..	1	1	..	..	..	..	5	..	..	..	1	1	1	..	1	1	..	..	..	..	..
105	Ulcer of Stomach and Duodenum	..	..	..	..	..	..	1	1	..	..	..	..	..	2	..	1	..	..	..	..	..	1	..	..	..	..	..	..
106	Other Diseases of Stomach	2	..	..	..	..	..	..	1	..	1	1	..	..	5	..	..	..	1	1	1	..	1	1	..	..	..	..	..
107	Enteritis	2	1	..	..	..	..	..	1	..	..	1	..	..	5	..	1	1	..	1	..	..	..	1	1	..	..	..	..
108	Appendicitis	..	1	..	1	1	..	1	2	1	1	2	2	..	12	..	6	1	..	1	1	..	2	1	..	..	..	..	..
109	Obstruction of Intestine	..	..	..	..	..	..	..	..	3	1	3	..	..	7	1	1	1	2	..	1	..	1	..	..	..	..	..	..
110	Other Diseases of Intestine	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
111	Cirrhosis of Liver	..	..	..	..	..	..	..	1	2	3	3	..	..	9	..	..	1	..	1	1	1	1	3	2	..	..	..	..
112	Other Diseases of Liver	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
113	Peritonitis...	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
114	<i>Other Diseases, Digestive System</i>																												
	Pancreatitis	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
115	<i>Diseases, Lymphatic System and Glands.</i>																												
	Rupture of Spleen	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
	Addison's Disease	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	..	..	..	..	..
	Graves Disease	..	..	..	..	..	1	1	..	..	..	1	..	..	3	..	..	..	1	..	..	..	1	1	..	..	..	..	..
	Cretinism	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
116	Acute Nephritis	..	..	..	1	..	..	2	..	..	..	..	..	..	3	1	..	..	..	1	..	..	..	1	..	..	..	..	..
117	Bright's Disease	..	..	..	..	..	1	1	7	7	8	6	..	..	30	4	3	3	6	5	4	3	..	2	..	..	..	..	..
118	Calculus	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..
119	Diseases of Bladder and Prostate	..	..	..	..	..	..	..	..	1	2	1	..	..	4	..	..	2	2	..	..	..	..	..	..	..	..	..	..
120	<i>Other Diseases, Urinary System</i>																												
121	Diseases of Testis and Penis	..	..	..	..	..	..	1	..	1	..	1	..	..	3	..	2	..	..	..	..	..	..	1	..	..	..	..	..
122	Diseases of Ovaries	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Diseases of Uterus & Appendages	..	..	..	..	..	..	1	..	1	..	1	..	..	3	..	2	..	..	..	..	..	..	..	..	..	..	..	1
124	Diseases of Vagina and External Genitals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
125	Diseases of Breast	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
126	Abortion, Miscarriage	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..
127	Puerperal Mania	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
128	Puerperal Convulsions	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
129	Placenta Prævia, Flooding	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Totals...	19	18	2	1	3	—	12	22	24	36	58	40	5	240	28	26	17	37	34	35	11	23	29	..	..	..	..	..

No.	Diseases.	AGES.														All Ages.	WARDS.											
		0-	1-	5-	10	15-	20-	25-	35-	45-	55-	65-	75-	85-	Highgate.		Muswell Hill.	Crouch End.	West Hornsey.	East Hornsey.	North Haringey.	South Haringey.	Stroud Green.	Finsbury Park.				
130	Puerperal Thrombosis																											
131	Other Diseases, Pregnancy and Childbirth }																											
132	Arthritis, Ostitis, Periostitis ..	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	1	...	...			
133	Other Diseases, Ossseous System Spinal Caries .. ..	...	...	...	...	...	...	...	1	...	...	...	...	1	1	...	...	...	...	...	...	...	...
134	Ulcer, Bed sore																											
135	Eczema																											
136	Pemphigus																											
137	Other Diseases, Integumentary System }																											
	Accidents and Negligence.																											
138	In Mines and Quarries																											
139	In Vehicular Traffic .. ..	...	1	...	...	...	...	...		1		2	1	...	5	1	...	1	1	...	1	...	1
140	On Railways .. ..	...	...	...					1	1	1	...	...	...	3	...	...	1	...	1	...	...	1
141	On Ships, Boats, &c. (not drowning) }																											
142	In Building Operations																											
143	By Machinery					1	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	
144	By Weapons and Implements ..	1	1	1	...	1	...	...	...	...	...	1	...	...	5	...	...	...	2	1	...	...	1
145	Burns and Scalds .. ..	...	...	...	...	...	1	...	...	...	...	...	...	1	2	...	...	...	1	...	...	1	...
146	Poisons, Poisonous Vapours ..						1	...	...	...	...	...	...	1	2	...	...	...	1	...	...	1	...
147	Surgical Narcosis																											
148	Effects of Electric Shock ..																											
149	Corrosions by Chemicals ..																											
150	Drowning	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...
151	Suffocation, Overlaid in Bed ..	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	2	...	...	...	...	...
152	Otherwise																											
153	Falls not specified .. ..	...	...	...	1	...	...	...	...	1	2	1	...	...	5	1	...	1	...	...	1	...	1
154	Weather Agencies																											
155	Otherwise, not stated																											
156	Homicide																											
	Suicides.																											
157	By Poison .. ..	...	...	...	...	...	...	...	1	...	...	...	1	...	2	...	1	...	...	...	1	...	...			
158	By Asphyxia																											
159	By Hanging and Strangulation ..	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
160	By Drowning .. ..	...	...	...	...	...	1	...	1	...	...	...	...	2	1	...	...	1	...	...	...	...	...
161	By Shooting																											
162	By Cut or Stab .. ..	...	...	...	...	...	...	...	2	...	...	...	...	2	1	1	...	...	...	...	...	...	...
163	By Precipitation from Elevated Places }																											
164	By Crushing .. ..	...	...	...	...	...	...	...		1	...	...	...	1	...	...	...	...	...	...	...	...	1
165	By other and unspecified methods }																											
166	Execution																											
167	Sudden Death, cause not ascertained }																											
168	Ill defined and unspecified causes }																											
	TOTALS, SHEET No. 4	4	2	1	1	1	3	1	6	3	5	4	2	1	34	5	2	2	7	4	3	1	6	4				
	TOTALS, SHEET No. 3	19	18	2	1	3	—	12	22	24	36	58	40	5	240	28	26	17	37	34	35	11	23	29				
	TOTALS, SHEET No. 2	47	4	3	2	6	4	13	22	38	63	68	71	27	368	53	45	16	50	55	43	19	45	42				
	TOTALS, SHEET No. 1	17	31	9	2	4	6	21	20	12	11	8	3	1	145	17	11	6	34	28	16	9	12	12				
	GRAND TOTALS	87	55	15	6	14	13	47	70	77	115	138	116	34	787	103	84	41	128	121	97	40	86	87				

TABLE V.
BOROUGH OF HORNSEY.
INFANTILE MORTALITY DURING THE YEAR 1909
Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
All Causes	Certified	22	4	4	4	34	15	6	5	2	7	3	5	1	1	3	5	87
	Uncertified																	
Common Infectious Diseases	Small-pox																	
	Chicken-pox																	
	Measles												1	1	1	1	1	5
	Scarlet Fever																	
	Diphtheria : Croup																	
Diarrhœal Diseases	Whooping Cough								1			1	1				1	4
	Diarrhœa, all forms								1		1							2
	Enteritis, Muco-enteritis, Gastro-enteritis				1	1		1										2
	Gastritis, Gastro-intestinal Catarrh		1			1	1											2
	Premature Birth	15		1	2	18	1		1									20
Wasting Diseases	Congenital Defects						1	1								1		3
	Injury at Birth	2		1		3					1							4
	Want of Breast-milk, Starvation																	
	Atrophy, Debility, Marasmus	1	1	2		4	3	1		1	2							11
	Tuberculous Meningitis																1	1
Tuberculous Diseases	Tuberculous Peritonitis : Tabes Mesenterica									1			1					2
	Other Tuberculous Diseases								1				1					2
	Erysipelas						1											1
	Syphilis						1											1
	Rickets																	
Other Causes	Meningitis (not Tuberculous)							2									1	3
	Convulsions	2	1			3							1					4
	Bronchitis						3					2					1	6
	Laryngitis																	
	Pneumonia	1			1	2	2	1			3							8
	Suffocation, overlying	1				1	1											2
	Other Causes		1			1	1		1							1		4
		22	4	4	4	34	15	6	5	2	7	3	5	1	1	3	5	87

Registration District, Edmonton. Sub-district, Hornsey.

Population, estimated to middle of 1909, 92,389.

Births in the year { legitimate, 1,481. Deaths in the year of { legitimate infants, 79
 { illegitimate, 27. { illegitimate infants, 8

Deaths from all Causes at all Ages, 787.

No. 1.

BOROUGH OF HORNSEY.—SANITARY WORK, 1909.

Name of Sanitary District.	Inspections.					Notices.			Dwelling Houses.				Houses let in Lodgings (Tenement Houses).		Common Lodging Houses.		CanalBoats used as Dwellings.		Movable Dwellings, Caravans, Tents, &c.			Bake-houses.				
	Number of Premises Inspected 1 on Complaint.	Number of Premises Inspected in connection with Infectious Diseases.	Number of Premises under Periodical Inspection.	Houses Inspected from House-to-House.	Total Number of Inspections and re-inspections made.	Cautionary or Intimation Notices given.	Statutory Orders Issued.	Summonses Served.	Convictions Obtained.	Houses, Premises, &c., Cleansed, Repaired, &c.	Closed as Unfit for Habitation (a) As result of action under H.W.C. Acts. (b) Otherwise.	Re-opened after Repairs, Alterations, &c.	Demolished.	Illegal Underground Dwellings Vacated.	Number Registered under Bye-laws.	Number of Contraventions.	Number Registered under Bye-laws.	Number of Inspections made.	Number of Contraventions.	Number Registered under the Acts.	Number of Contraventions of Regulations.	Number Observed during the Year.	Number of Nuisances therefrom Abated	Number Removed from District.	Number in District.	Contraventions of Factory Acts.
HORNSEY.	178	842	907	433	8,170	713	166	1	0	433	—	—	2	—	—	—	—	—	—	—	—	—	—	—	42	9

Particulars as to Staff employed in Sanitary Department, specify if Inspectors are engaged in any other duties, and if so, what :—
 Medical Officer of Health ; Assistant ditto ; 3 Inspectors ; 1 Clerk ; 3 Disinfectors and Drain Testers.

Name of Sanitary District.	Slaughter Houses.	Cow-sheds.	Dairies and Milk-shops.	Unsound Food.	Adulterated Food.	Offensive trades.	Water Supply and Water Service.
	Number on Register. Number of Inspections made and frequency of inspection. Contraventions of Bye-laws.	Number on Register. Number of Inspections made and frequency of inspection. Contraventions of Regulations. Number of Milch Cows in District.	Number on Register. Number of Inspections made and frequency of inspection. Contraventions of Regulations.	(a) Animals seized or Parcels seized. (b) Articles Condemned by Magistrate (a & b) Articles or Parcels surrendered.	Informal Samples taken by the District Local Authority. Found adulterated.	Number of premises in District. Number of Inspections made. Contraventions of Bye-laws.	Wells. New Sunk. Cleansed, Repaired, &c. Closed as Polluted. Percentage of Houses Supplied from Public Water Service. Cisterns. New, Provided. Cleansed, Repaired, Covered, &c. Draw-Taps placed on Mains. Percentage of Houses supplied on Constant System. Number of Samples obtained for analysis, a from Local Wells, b from Public Supply.
HORNSEY.	9 Frequently	3 17 — 64	74 233 12	— — 47 lbs. Offal (Liver, Lungs, &c.) 11 lbs. Pears. 15 lbs. Strawberries. 2 doz Oranges. 24 lbs. Greengages.	181 12	— — —	— — — 100% 2 65 4 100% a — b 36

Name of Sanitary District.	Drainage and Sewerage of existing Buildings.										Disinfection.		Dust.	Sundry nuisances abated.												
	Number of Water Closets Substituted for Dry Receptacles. Repaired, Supplied with Water, or otherwise Improved.	Water Closets.	Percentage of Houses Provided with Water Closets.	Examined, Tested, Exposed, &c.	Unstopped, Repaired, Trapped, &c.	Drains. Waste Pipes, Rain Water Pipes, Disconnected. Repaired, &c.	New Soil Pipes or Ventilating Shafts fixed. Existing Soil Pipes or Ventilating Shafts repaired.	Disconnecting-Traps or Chambers Inserted.	Reconstructed.	Cesspools. Rendered Impervious, Emptied, Cleansed, &c. Abolished, & Drain Connected to Sewer.	Percentage of Houses Draining into Sewers.	Rooms disinfected <i>a</i> Ordinary infectious disease, <i>b</i> Phthisis.	Rooms Stripped & Cleansed.	Articles disinfected or destroyed, <i>a</i> Ordinary infectious disease, <i>b</i> Phthisis.	New bins provided.	How frequently is dust removed from each house?	Number of complaints of non-removal received.	Method of Disposal <i>a</i> Destructor, <i>b</i> by Tipping, <i>c</i> Other state method.	Overcrowding.	Smoke.	Accumulations of refuse.	Foul Ditches, Ponds, &c., and Stagnant Water.	Foul Pigs and other Animals.	Dampness.	Yards repaired or repaired.	Other Nuisances.
HORNSEY.	—	306	100%	307	124	335	86	63	88	92	—	<i>a</i> 534 <i>b</i> 39	192	<i>a</i> 13,762 <i>b</i> 288	108	Once from houses, twice from flats each week.	77	<i>a</i> Destructor	6	62	31	—	6	65	82	20