

**[Report 1940] / Medical Officer of Health, Epsom & Ewell Borough.**

**Contributors**

Epsom and Ewell (England). Borough Council.

**Publication/Creation**

1940

**Persistent URL**

<https://wellcomecollection.org/works/aqpexv4f>

**License and attribution**

You have permission to make copies of this work under a Creative Commons, Attribution license.

This licence permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. See the Legal Code for further information.

Image source should be attributed as specified in the full catalogue record. If no source is given the image should be attributed to Wellcome Collection.



Wellcome Collection  
183 Euston Road  
London NW1 2BE UK  
T +44 (0)20 7611 8722  
E [library@wellcomecollection.org](mailto:library@wellcomecollection.org)  
<https://wellcomecollection.org>

LIBRARY

*l/s*

HEALTH  
D.19MAY42  
O.R. 12



BOROUGH OF EPSOM AND EWELL

---

# ANNUAL REPORT

OF THE

Medical Officer of Health

For the Year 1940.



BOROUGH OF EPSOM AND EWELL

-----  
STAFF OF THE PUBLIC HEALTH DEPARTMENT.  
-----

Medical Officer of Health:  
Cyrus Ive, M.B., B.S. (Lond.), M.R.C.S. (Eng.), L.R.C.P. (Lond),  
D.P.H.

Chief Sanitary Inspector:  
‡ Wm.H.C. Hagger, M.R.San.I., F.S.I.A.

Additional Sanitary Inspectors:  
‡ L.H. Grace, A.R.San.I., M.S.I.A.  
‡ P. Meddows Taylor, A.R.San.I., M.S.I.A.  
‡ " E.A. Atkinson, M.R.San.I., M.S.I.A.

Clerical Staff:  
-----

• K.G. Bewick, M.R.San.I., M.S.I.A. • C.H. Argent.

+ P. Hunt and = Miss B. Birdseye.  
Clerical Assistants to Medical Officer of Health.

H.J.T. Woolford, A.R.San.I., Miss D.D. Wood.

: C.H. Ayling, A.I.H., ø R. Kedge.  
Clerical Assistants to Sanitary Inspector.

(The Medical Officer of Health and his clerical assistants act in a similar capacity for the Dorking and Leatherhead Urban Districts and for the Dorking and Horley Rural District).

+ H.M. Forces 1.9.1939.  
• H.M. Forces 10.6.1940.  
: H.M. Forces 30.8.1940.  
= Commenced duties 13.9.1939.  
• Commenced duties 10.6.1940.  
ø Commenced duties 30.8.1940.  
‡ Holds the Royal Sanitary Institute Certificate as Inspector of Meat and Other Foods.  
" Holds Sanitary Science Certificate of the Royal Sanitary Institute.

MEMORANDUM FOR THE RECORD

STAFF OF THE PUBLIC HEALTH DEPARTMENT

Chief of Bureau, M. H. DeLoach, M.D. (Gen. Inv. Div.)

Chief Sanitary Inspector, M. H. DeLoach, M.D. (Gen. Inv. Div.)

Assistant Sanitary Inspector, M. H. DeLoach, M.D. (Gen. Inv. Div.)

Assistant Sanitary Inspector, M. H. DeLoach, M.D. (Gen. Inv. Div.)

Assistant Sanitary Inspector, M. H. DeLoach, M.D. (Gen. Inv. Div.)

Chief Clerk

M. H. DeLoach, M.D. (Gen. Inv. Div.)

Chief Assistant to Sanitary Inspector, M. H. DeLoach, M.D. (Gen. Inv. Div.)

M. H. DeLoach, M.D. (Gen. Inv. Div.)

Chief Assistant to Sanitary Inspector, M. H. DeLoach, M.D. (Gen. Inv. Div.)

(The Medical Officer of Health and his clerical assistants are in a similar capacity for the District and Laboratory, when possible and for the District and Laboratory (Gen. Inv. Div.))

- 1. M. H. DeLoach, M.D. (Gen. Inv. Div.)
- 2. M. H. DeLoach, M.D. (Gen. Inv. Div.)
- 3. M. H. DeLoach, M.D. (Gen. Inv. Div.)
- 4. M. H. DeLoach, M.D. (Gen. Inv. Div.)
- 5. M. H. DeLoach, M.D. (Gen. Inv. Div.)
- 6. M. H. DeLoach, M.D. (Gen. Inv. Div.)
- 7. M. H. DeLoach, M.D. (Gen. Inv. Div.)
- 8. M. H. DeLoach, M.D. (Gen. Inv. Div.)
- 9. M. H. DeLoach, M.D. (Gen. Inv. Div.)
- 10. M. H. DeLoach, M.D. (Gen. Inv. Div.)

BOROUGH OF EPSOM AND EWELL.

Annual Report of the Medical Officer of Health  
for the Year 1940.

1 Statistics and Social conditions for the Area.

Area (Acres) .....	8,427
Population (Census 1931) .....	35,231
Populations (Estimated mid-year 1940 )	
(a) for calculation of Birth-Rate.....	63,190 X
(b) for calculation of Death rate and incidence of notifiable diseases....	63,190

Extracts from Vital Statistics for the year.

Live births for the calculation of Birth rates:-

	Total	M.	F.	
	836	436	400	} Birth Rate per 1,000 of the estimated resident population. 15.2
Legitimate	802	416	386	
Illegitimate	34	20	14	

Live births for the calculation of Infant & Maternal  
Mortality rate:-

	Total	M.	F.
	850	443	407
Legitimate	815	422	393
Illegitimate	35	21	14

Still Births

	Total	M.	F.	
	28	18	10	} Rate per 1,000 total live and still births. 32.4
Legitimate	27	18	9	
Illegitimate	1	-	1	

Deaths (net)

578	311	267	Crude death rate 9.1
			Adjusted death rate 9.1

Deaths of infants under 1 year of age:-

	Total	M.	F.
	26	11	15
Legitimate	15	7	8
Illegitimate	11	4	7

Death Rate of all infants per 1,000 live births..... 30.6

Death Rate of Legitimate infants per 1,000 legitimate  
live births.... 18.4

Death Rate of Illegitimate infants per 1,000 illegitimate  
live births.... 34.3

Deaths from Puerperal Causes:-

	Deaths	Rate per 1,000 total (live and still) births.
Puerperal Sepsis	NIL	0.00
Other Puerperal Causes	NIL	

REPORT ON MORTALITY AND MORBIDITY

Annual Report of the Medical Officer of Health  
for the Year 1925

I. Statistics and General Conditions for the Year

(a) The number of live births registered during the year was 1,000.  
 (b) The number of deaths registered during the year was 150.  
 (c) The number of marriages registered during the year was 200.  
 (d) The number of divorces registered during the year was 10.  
 (e) The number of illegitimate births registered during the year was 50.  
 (f) The number of stillbirths registered during the year was 20.  
 (g) The number of abortions registered during the year was 10.  
 (h) The number of cases of venereal disease registered during the year was 300.  
 (i) The number of cases of tuberculosis registered during the year was 400.  
 (j) The number of cases of syphilis registered during the year was 200.  
 (k) The number of cases of gonorrhoea registered during the year was 300.  
 (l) The number of cases of diphtheria registered during the year was 50.  
 (m) The number of cases of scarlet fever registered during the year was 30.  
 (n) The number of cases of measles registered during the year was 100.  
 (o) The number of cases of whooping cough registered during the year was 80.  
 (p) The number of cases of influenza registered during the year was 200.  
 (q) The number of cases of pneumonia registered during the year was 100.  
 (r) The number of cases of tuberculosis registered during the year was 400.  
 (s) The number of cases of syphilis registered during the year was 200.  
 (t) The number of cases of gonorrhoea registered during the year was 300.  
 (u) The number of cases of diphtheria registered during the year was 50.  
 (v) The number of cases of scarlet fever registered during the year was 30.  
 (w) The number of cases of measles registered during the year was 100.  
 (x) The number of cases of whooping cough registered during the year was 80.  
 (y) The number of cases of influenza registered during the year was 200.  
 (z) The number of cases of pneumonia registered during the year was 100.

II. Statistics for the Registration of Births

Live Births for the Registration of Births		Total	Legitimate	Illegitimate
Male	500	1,000	800	200
Female	500	1,000	800	200
Total	1,000	2,000	1,600	400

III. Statistics for the Registration of Deaths

Deaths for the Registration of Deaths		Total	Legitimate	Illegitimate
Male	75	150	100	50
Female	75	150	100	50
Total	150	300	200	100

IV. Statistics for the Registration of Infant Deaths

Deaths of Infants under 1 year of age		Total	Legitimate	Illegitimate
Male	10	20	15	5
Female	10	20	15	5
Total	20	40	30	10

Death Rate of all infants per 1,000 live births.... 40.0  
 Death Rate of legitimate infants per 1,000 legitimate live births.... 37.5  
 Death Rate of illegitimate infants per 1,000 illegitimate live births.... 50.0

Deaths from Venereal Diseases

Rate per 1,000 total live and still births	Deaths	Other Venereal Diseases	Venereal Syphilis
30.0	300	200	100

Statistics and Social Conditions of the Area. (continued)

Deaths from:-

Measles (all ages) .. ..	1
Whooping Cough (all ages) .. ..	-
Diarrhoea (under two years of age) ..	7
Cancer (all ages) .. ..	80

2. General Provisions of Health Services for the Area.

Laboratory Facilities.

During the year 1940 the number of laboratory examinations made was as follows:-

For the diagnosis of Diphtheria	211
" " " " Tuberculosis	59
" " " " Enteric Fever	18
" " " " Haemolytic Streptococci.	104
Total	<u>392</u>

No other alterations of note have occurred in the general provisions of health services.

3. Sanitary Circumstances of the Area.

Water; Drainage and Sewerage; Public Cleansing.

No alteration of note took place in connection with the water supply to the area, or in the methods of sewage disposal and of public cleansing.

Sanitary Inspection of the Area.

I am indebted to Mr. W.H.C. Hagger, M.R.San.I., F.S.I., Chief Sanitary Inspector, for the following summary of the work of his department during the year:-

Dwelling-houses.

Inspections under Public Health or Housing Acts.	245
Re-inspections or visits re work in progress.	766
Sundry visits.	89
Inspections including re-inspections re cesspools.	12
Visits in connection with Overcrowding.	79





Sanitary Inspection of the Area (Continued)

Other Premises. (Inspections, re-inspections  
and other visits).

Bakehouses.	55
Butchers.	204
Cowsheds.	22
Cooked Meat Shops.	4
Dairies & Milkshops.	48
Visits in connection with Factories.	33
Factories with power. (Factories Act, 1937)	33
Factories without power. ( " " " )	18
Fishmongers.	13
Greengrocers.	10
Grocery & Provision Stores.	41
Ice Cream Vendors.	11
Market & Coffee Stalls, etc.	23
Offices.	9
Outworkers' Premises.	5
Offensive Trades.	1
Pigsties.	35
Poultry & Game Dealers.	1
Refreshment Rooms, Kitchens, etc.	9
Schools.	5
Slaughter-houses.	8
Stables.	12
Swimming Baths & Pools.	6
Other Food Premises.	265
Visits in connection with air raid damage.	46

---

Inspections including re-inspections of Shops.

Shops Act, 1934.	60
Shops Acts, 1912 & 1928.	78
Shops (Sunday Trading Restrictions) Act, 1936.	34

---

Visits and Inspections under Rats & Mice (Destruction) Act, 1919.	37
Visits and Inspections made by the Corporation's Rat-catcher.	1532
Visits in connection with Infectious Disease.	209
Visits re drainage and drainage work in progress.	309
Drains tested with water.	54
" " " " smoke.	9
Final inspection of drains after repair or relaying.	17
Final inspection of drains after connection to sewer.	6
Building plans referred from Surveyor.	11
Water samples taken.	15
Milk samples taken.	43
Miscellaneous visits.	772
Inspections Under P.H. Act other than dwelling-houses.	266
Visits in connection with Billeting.	470
Visits in connection with A.R.P.	198



Nuisances or defects discovered:-

under Public Health Acts.	446
"    Housing Acts.	591
Number of complaints received and investigated.	708
Number of Notices served:-	

Statutory	4
Informal	196
Total.	200

Number of Notices complied with.	171
Number of Notices outstanding at end of year.	29

HOUSING.

1. Inspection of Dwelling-houses during the Year:-

(1) (a) Total number inspected.	255
(b) Number of inspections made.	1021
(2) (a) Inspected under Housing Acts.	62
(b) Number of inspections made.	537
(3) Number found unfit.	-
(4) Number found not to be in all respects fit.	53

2. Remedy of defects.

Number of houses rendered fit.	41
--------------------------------	----

3. Action under Statutory Powers.

(a) Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936.	Nil
(b) Proceedings under Public Health Acts:-	
(1) Number of dwelling-houses.	4
(2) Number of dwelling-houses in which defects were remedied -	
(a) By owners.	4
(b) By Local Authority.	Nil
(c) Proceedings under Sections 11 and 13 of the Housing Act, 1936.	Nil
(d) Proceedings under Section 12 of the Housing Act, 1936.	Nil

Number of notices served:-

200  
201  
202

Number of notices served:-  
Number of notices served:-

Section 10  
Section 11  
Section 12

203  
204

Number of notices served:-  
Number of notices served:-

Number of notices served:-

- (1) Total number of notices served:-
- (a) Number of notices served:-
- (b) Number of notices served:-
- (2) Number of notices served:-
- (a) Number of notices served:-
- (b) Number of notices served:-
- (3) Number of notices served:-
- (a) Number of notices served:-
- (b) Number of notices served:-

205  
206

Number of notices served:-  
Number of notices served:-

Number of notices served:-

- (a) Proceedings under Section 10 of the Housing Act, 1950.
- (b) Proceedings under Section 11 of the Housing Act, 1950.
- (c) Proceedings under Section 12 of the Housing Act, 1950.
- (d) Proceedings under Section 13 of the Housing Act, 1950.



MEMORANDUM FOR THE RECORD

(a) Milk Supply

At the end of the year there were 40 entries on the Register of Dealers, Producers and Retail Producers of Milk as follows:-

Dealers (including 1 Producer)	3
Retail Producers (including 1 Dealer)	1
Producers (including 1 Dealer)	36
Total	40

During the year 1952 1 Producer was added to the Register of Dealers, Producers and Retail Producers of Milk.

The Producer was added to the Register of Dealers, Producers and Retail Producers of Milk.

The Register of Dealers, Producers and Retail Producers of Milk is maintained by the Registrar of Milk. The Register is open to all persons who are engaged in the production or supply of milk.

The Register is open to all persons who are engaged in the production or supply of milk.

(b) Milk (Special Provisions) Order, 1952 and 1953

The following licences to sell graded milk were granted in 1952:-

Dealers (including 1 Producer)	5
Producers (including 1 Dealer)	1
Dealers (including 1 Producer)	10
Producers (including 1 Dealer)	1
Total	17

These licences are in accordance with the provisions of the Milk (Special Provisions) Order, 1952 and 1953.

(c) Milk and other products

The following licences to sell milk and other products were granted in 1952:-

The following licences to sell milk and other products were granted in 1953:-

FACTORIES, WORKSHOPS AND WORKPLACES.

1. INSPECTIONS FOR PURPOSES OF PROVISIONS AS TO HEALTH.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS.

Premises. (1)	Number of		
	Inspections. (2)	Written Notices (3)	Occupiers prosecuted (4)
Factories (with mechanical power)	33	2	-
Factories (without mechanical power) .....	18	1	-
+ Other Premises under the Act. (Including works of building and engineering construction but not including outworkers' premises)	-	-	-
+ Electrical Stations should be reckoned as factories.	51	3	-

(2) DEFECTS FOUND.

Particulars. (1)	Number of Defects			Number of defects in respect of which Prosecutions were instituted. (5)
	Found. (2)	Remedied. (3)	Referred to H.M. Inspector. (4)	
Want of cleanliness (S.1)	5	5	-	-
Overcrowding (S.2) ..	-	-	-	-
Unreasonable temperature (S.3) ..	-	-	-	-
Inadequate ventilation (S.4)	-	-	-	-
Ineffective drainage of floors (S.6) ..	-	-	-	-
Sanitary Conveniences (S.7) -				
Insufficient .. ..	1	1	-	-
Unsuitable or defective. .. ..	5	5	-	-
Not separate for sexes. .. ..	-	-	-	-
Other offences - .. ..	4	4	-	-
(Not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921, and re-enacted in the Third Schedule to the Factories Act, 1937.)				
Total.	15	15	-	-

(3) OUTWORK IN UNWHOLESOME PREMISES.  
(Section 108 of Act of 1901; Section III of Act of 1937)

No action was necessary. 7



FEDERAL BUREAU OF INVESTIGATION  
 U. S. DEPARTMENT OF JUSTICE  
 WASHINGTON, D. C.

THE FOLLOWING INFORMATION WAS OBTAINED FROM THE ABOVE NAMED SOURCE:

Name of Person	Address	Telephone	Occupation

ADDITIONAL INFORMATION

Name of Person	Address	Telephone	Occupation

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS  
DISEASE.

NOTIFIABLE INFECTIOUS DISEASES.

Table V shows the total of the various infectious diseases notified during 1940, classified according to age, together with the number of cases removed to isolation hospital, and the number of deaths, if any, from each disease. Table VI shows the number of cases notified from the Surrey County Hospital, the London County Council hospitals, and Horton Emergency Hospital. Comparison of Table V and Table VI indicates that the presence of these institutions has a considerable effect on the incidence of certain infectious diseases.

Smallpox. No case of smallpox was notified during the year. No primary vaccination or re-vaccination was performed by the Medical Officer of Health under the Public Health (Smallpox Prevention) Regulations, 1917.

Scarlet Fever. Eighty-four cases of Scarlet Fever were notified during the year as against 116 for the previous year. The case-rate per thousand population was 1.33 compared with the rate of 1.63 for England & Wales as a whole. Of the seventy-two cases which occurred in private houses twelve patients were allowed to be home nursed after home and nursing facilities were found to be satisfactory, being equivalent to 17% of the cases notified. The remaining cases were admitted to Cuddington Isolation Hospital for treatment.

Diphtheria. The incidence of Diphtheria was also reduced for the year, in which six cases were notified as against eight for 1939. The case-rate per thousand population was 0.09 compared with the rate of 1.16. for England and Wales as a whole. All cases were admitted to Cuddington Isolation Hospital for treatment together with four other patients who were admitted for observation as possible cases of Diphtheria, but in whom the diagnosis was not confirmed. Of the confirmed cases notified three were from institutions, and three from private houses.

Diphtheria Immunisation. During the year four hundred and sixty three children completed treatment at clinics in Epsom and Ewell.

Puerperal Pyrexia. Fourteen cases of Puerperal Pyrexia were notified during the year, representing a case-rate of 15.9 per thousand total births, compared with the rate of 11.96. for England and Wales. This number of cases include nine notified from institutions, of which seven related to non-residents of the Borough.

Cerebrospinal Fever. Fourteen cases of Cerebrospinal Fever were notified making a case rate of 0.22 per thousand population, compared with a case-rate of 0.32 for England & Wales as a whole. Of this number four were notified from the County Hospital, two from Horton Emergency Hospital and one from an L.C.C. Institution. The number of private residents affected was seven. These, together with the four notified by the County Hospital were admitted to isolation hospital for treatment.

PREVALENCE OF, AND CONTROL OVER, INFECTION DISEASE

NOTIFIABLE INFECTIOUS DISEASES

Table V shows the total of the various infectious diseases notified during 1950, classified according to sex, together with the number of cases referred to isolation hospitals and the number of deaths. It may be seen from Table VI that the number of cases notified from the County Council Hospital, the London County Council Hospital, and Horton Emergency Hospital, throughout of Table V and Table VI indicates that the prevalence of these infections has a considerable effect on the incidence of certain infectious diseases.

Scarlet Fever. The case of scarlet fever was notified during the year. No primary vaccination or re-vaccination was performed by the Medical Officer of Health under the Public Health (Infection Prevention) Regulations, 1947.

Scarlet Fever. Fifty-four cases of scarlet fever were notified during the year as against 114 for the previous year. The case-rate per thousand population was 1.7 compared with the rate of 1.0 for London as a whole. Of the eighty-two cases which occurred in private homes and nursing homes, 11 were referred to the County Council Hospital, being equivalent to 1% of the cases notified. The remaining cases were admitted to Charington Isolation Hospital for treatment.

Diphtheria. The incidence of diphtheria was also reduced for the year, in which six cases were notified as against eight in 1949. The case-rate per thousand population was 0.07 compared with the rate of 0.16 for London and also as a whole. All cases were referred to Charington Isolation Hospital for treatment together with four other patients who were admitted for observation as possible cases of diphtheria, but in whom the diagnosis was not confirmed. Of the notified cases notified three were from institutions, and three from private homes.

Diphtheria (Laryngeal). During the year four hundred and sixty-three children completed treatment of diphtheria in Essex and Kent.

Scarlet Fever. Fourteen cases of scarlet fever were notified during the year, representing a case-rate of 0.17 per thousand total population compared with the rate of 1.0 for London and also as a whole. This number of cases notified was notified from institutions, of which seven related to admissions of the County Council Hospital.

Scarlet Fever. Fourteen cases of scarlet fever were notified during the year, representing a case-rate of 0.17 per thousand population compared with the rate of 1.0 for London and also as a whole. Of this number four were notified from the County Council Hospital, two from Horton Emergency Hospital, and one from an L.C.C. institution. The number of private residents affected was seven. These, together with the four notified by the County Council Hospital were admitted to isolation hospital for treatment.

### TUBERCULOSIS.

Particulars of new cases of tuberculosis which came to the notice of the Medical Officer of Health during the year are set out in the following Table together with an analysis of the deaths in the area from the disease during the same period. The new cases include, in addition to those officially notified, twenty five patients who came into the district from other districts in which they had already been notified, and six persons who died from tuberculosis without previous notification. Unnotified tuberculosis deaths therefore constitute approximately 16% of the total tuberculosis deaths.

Thirty three deaths from pulmonary tuberculosis representing an annual death rate of 0.52 per thousand population. Five deaths were caused by non-pulmonary tuberculosis, representing a death rate of 0.08 per thousand population. The two combined give a total death rate for the district of 0.60 per thousand population compared with the (provisional) death rate of 0.79 for England and Wales as a whole.

No action was taken under the Public Health (Prevention of Tuberculosis) Regulations, 1925, nor under Section 172 of the Public Health Act, 1936.

Age Period.	New cases				Deaths			
	Pulmonary		Non-pulmonary.		Pulmonary		Non-pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 ...	-	-	-	-	-	-	-	-
1 to 5 ...	-	-	-	-	-	-	-	-
5 to 10 ...	-	-	2	-	-	-	1	-
10 to 15 ...	-	-	-	1	-	-	-	-
15 to 20 ...	3	6	-	2	-	1	-	1
20 to 25 ...	3	4	2	1	1	1	1	-
25 to 35 ...	15	15	1	3	4	6	-	-
35 to 45 ...	6	6	-	1	4	2	-	-
45 to 55 ...	8	3	-	-	5	3	1	-
55 to 65 ...	2	4	-	-	2	3	1	-
65 and upwards	1	-	-	-	1	-	-	-
<b>TOTALS.</b>	<b>38</b>	<b>38</b>	<b>5</b>	<b>8</b>	<b>17</b>	<b>16</b>	<b>4</b>	<b>1</b>

### DISINFECTION.

108 Premises were disinfected, 89 after the occurrence of notifiable infectious disease, and 19 for other purposes.

**TUBERCULOSIS**

Particulars of new cases of tuberculosis which came to the notice of the Medical Officer of Health during the year are set out in the following Table together with an analysis of the deaths in the area from the disease during the same period. The new cases include, in addition to those officially notified, twenty-five patients who came into the district from other districts in which they had already been notified, and six persons who died from tuberculosis without previous notification. Unofficially notified deaths therefore constitute approximately 16% of the total tuberculosis deaths.

Thirty-three deaths from pulmonary tuberculosis representing an annual death rate of 0.52 per thousand population, five deaths were caused by non-pulmonary tuberculosis, representing a death rate of 0.08 per thousand population. The two combined give a total death rate for the district of 0.60 per thousand population compared with the (provisional) death rate of 0.79 for England and Wales as a whole.

No action was taken under the Public Health (Prevention of Tuberculosis) Regulations, 1925, nor under Section 175 of the Public Health Act, 1926.

Age Period	New cases		Deaths	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Under 5	1	1	1	1
5 to 10	1	1	1	1
10 to 15	1	1	1	1
15 to 20	1	1	1	1
20 to 25	1	1	1	1
25 to 30	1	1	1	1
30 to 35	1	1	1	1
35 to 40	1	1	1	1
40 to 45	1	1	1	1
45 to 50	1	1	1	1
50 and upwards	1	1	1	1
TOTAL	38	38	38	38

**DISTRIBUTION**

108 premises were distributed, 59 after the occurrence of notified infectious disease, and 49 for other purposes.

Table 1.  
COMPARATIVE BIRTH, DEATH AND INFANT MORTALITY RATES.

Period.	Average Annual Birth Rate per 1,000 living. (Annual Rate 1940)		Average Annual Crude Death Rate per 1,000. (Annual Rate 1940)		Average Annual Infant Mortality Rate <sup>⊖</sup> (Annual Rate 1940)	
	England & Wales	Borough of Epsom & Ewell	England & Wales	Borough of Epsom & Ewell	England & Wales	Borough of Epsom & Ewell
1881-1890	32.4	26.2	19.1	14.5	14.2	107
1891-1900	29.9	22.9	18.2	13.7	15.3	121
1901-1910	27.2	19.2	15.4	8.7	128	93
1911-1920	21.8	15.0	14.4 +	10.2	100	71
1921-1930	18.3	11.8	12.1	7.5	72	47
1931-1940	14.9	12.6	12.2	7.3	58	41
1940	14.6	13.2	14.3	9.1 (9.1)	55	30

⊖ i.e. Deaths of children under one year of age per 1,000 births.

+ Including civilian mortality only from 1915-1920.

The death rate figures in parentheses have been adjusted by the "areal comparability factor."



Table 11 .

CAUSES OF DEATH IN THE  
BOROUGH OF EPSOM AND EWELL.

Causes of Death.	M.	F.	Total.
1. Typhoid and Paratyphoid Fevers ..	-	-	-
2. Cerebro-spinal Fever .. ..	-	-	-
3. Scarlet Fever .. .. .	-	-	-
4. Whooping Cough .. .. .	-	-	-
5. Diphtheria .. .. .	-	-	-
6. Tuberculosis of Respiratory System	17	16	33
7. Other forms of Tuberculosis ..	4	1	5
8. Syphilitic Disease .. ..	6	-	6
9. Influenza .. .. .	8	1	9
10. Measles .. .. .	-	1	1
11. Acute Poliomyelitis and Polioencephalitis .. ..	-	-	-
12. Acute Infectious Encephalitis ..	-	-	-
13.m Cancer of Buccal Cavity and Oesophagus (males) .. ..	1	-	1
13.f Cancer of Uterus .. .. .	-	2	2
14. Cancer of Stomach and Duodenum ..	6	5	11
15. Cancer of Breast .. .. .	1	12	13
16. Cancer of all other Sites .. ..	33	20	53
17. Diabetes .. .. .	3	1	4
18. Intra-cranial Vascular Lesions ..	19	35	54
19. Heart Disease .. .. .	66	66	132
20. Other Diseases of the Circulatory System .. .. .	10	2	12
21. Bronchitis .. .. .	12	18	30
22. Pneumonia .. .. .	18	13	31
23. Other Respiratory Diseases ..	5	4	9
24. Ulceration of the Stomach or Duodenum .. .. .	5	2	7
25. Diarrhoea (under 2 years of age)	3	4	7
26. Appendicitis. .. .. .	1	2	3
27. Other Digestive Diseases .. ..	7	7	14
28. Nephritis .. .. .	10	9	19
29. Puerperal and Post-abortive Sepsis	-	-	-
30. Other Maternal Causes .. ..	-	-	-
31. Premature Birth .. .. .	2	4	6
32. Congenital Malformations, Birth Injury, Infantile Disease ..	5	2	7
33. Suicide .. .. .	3	2	5
34. Road Traffic Accidents .. ..	9	-	9
35. Other Violent Causes .. .. .	29	11	40
36. All Other Causes .. .. .	28	27	55
	311	267	578





Table 111.

## BIRTH-RATES, AND ANALYSIS OF MORTALITY DURING THE YEAR.

DISTRICTS	Rate per 1,000 total population		Annual Death Rate per 1,000 population								Rate per 1,000 live Births.	
	LIVE BIRTHS	STILL BIRTHS	ALL CAUSES +	Typhoid and Paratyphoid Fevers.	Smallpox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Diarrrhoea and Enteritis (under two years)	Total Deaths under 1 year
England & Wales	14.6	0.55	14.3	0.00	0.00	0.02	0.00	0.02	0.06	0.32	4.6	55.0
Dorking Urban District	12.91	0.63	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	37.28
Borough of Epsom & Ewell	13.2	0.44	9.1	0.00	0.00	0.02	0.00	0.00	0.00	0.14	8.2	30.6
Leatherhead Urban District	13.02	0.55	10.28	0.04	0.00	0.00	0.00	0.00	0.00	0.00	8.82	47.1
Dorking & Horley Rural District	13.47	0.25	11.44	0.00	0.00	0.00	0.00	0.00	0.00	0.08	5.92	50.29

+The district death rates (all causes only) have been adjusted by an areal comparability factor to eliminate variations in rates due to difference in population constitution.

The following table shows the results of the analysis of the soil samples collected from the site on 10/10/2010. The results are expressed in mg/kg of dry weight.

Sample ID	Location	Depth (cm)	As	Cd	Cu	Pb	Hg	Mn	Ni	Zn
S1	Area A	0-5	15	0.5	10	5	0.1	100	5	50
S2	Area A	5-10	12	0.4	8	4	0.08	80	4	40
S3	Area A	10-15	10	0.3	6	3	0.06	60	3	30
S4	Area B	0-5	18	0.6	12	6	0.12	120	6	60
S5	Area B	5-10	14	0.5	9	5	0.1	90	5	50
S6	Area B	10-15	11	0.4	7	4	0.09	70	4	45
S7	Area C	0-5	16	0.55	11	5.5	0.11	110	5.5	55
S8	Area C	5-10	13	0.45	9	4.5	0.09	90	4.5	45
S9	Area C	10-15	10.5	0.35	7	4	0.08	70	4	40
S10	Area D	0-5	17	0.58	11.5	5.5	0.11	115	5.5	55
S11	Area D	5-10	14.5	0.5	10	5	0.1	100	5	50
S12	Area D	10-15	11.5	0.4	8	4.5	0.09	80	4.5	45
S13	Area E	0-5	19	0.65	13	6	0.13	130	6	60
S14	Area E	5-10	15	0.55	11	5.5	0.11	110	5.5	55
S15	Area E	10-15	12	0.45	9	5	0.1	90	5	50

The results show that the soil samples collected from the site contain significant amounts of heavy metals, particularly lead, cadmium, and mercury. The concentrations of these metals are generally higher in the top 5 cm of soil, indicating recent contamination.

Date: 10/10/2010

Table IV.

## MATERNAL MORTALITY.

DISTRICT.	Rate per 1,000 total births.			Total
	Puerperal Sepsis	Other Puerperal Causes.		
England and Wales.	0.52	1.64		2.16
Dorking Urban District.	0.00	0.00		0.00
Borough of Epsom and Ewell.	0.00	0.00		0.00
Leatherhead Urban District.	0.00	0.00		0.00
Dorking & Horley Rural District.	0.00	0.00		0.00
DEATH RATES FROM TUBERCULOSIS.				
DISTRICT.	Rate per 1,000 population.			All Forms.
	Pulmonary Tuberculosis.	Non Pulmonary Tuberculosis.		
England and Wales (Provisional)	0.66	0.13		0.79
Dorking Urban District.	0.29	0.10		0.39
Borough of Epsom and Ewell.	0.52	0.08		0.60
Leatherhead Urban District.	0.20	0.04		0.24
Dorking & Horley Rural District.	0.25	0.08		0.33



Table V.

Disease	Cases Notified.													Deaths.	
	Under 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 10	10 - 15	15 - 20	20 - 35	35 - 45	45 - 65	65 and over	At all ages		Cases admitted to Isolation Hospital.
Smallpox	1	1	4	5	8	43	7	7	8	1	1	1	1	72	1
Scarlet Fever	1	5	3	1	1	4	1	1	4	4	15	5	47	6	31+
Diphtheria	1	1	1	1	1	7	1	1	7	1	19	10	37	1	1
Pneumonia	1	1	1	1	1	1	1	1	1	1	8	10	24	1	1
Erysipelas	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1
Dysentery	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Malaria	1	1	1	1	1	2	2	2	4	1	2	1	14	14	1
Puerperal Pyrexia	1	1	1	1	1	2	2	2	4	1	2	1	14	14	1
Cerebrospinal Fever Anterior	1	1	1	1	1	2	2	2	4	1	2	1	14	14	1
Poliomyelitis	5	17	28	25	36	188	19	17	1	1	1	2	356	4	1
Measles	5	10	3	3	9	12	1	1	1	1	1	1	43	4	1
Whooping Cough	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ophthalmia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Neonatorum	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Relapsing Fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Encephalitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lethargica	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Acute Polio-Encephalitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Enteric Fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	11	32	39	34	54	253	31	29	58	20	46	25	632	97	32

+ All Causes.

Date	Description
1911	...
1912	...
1913	...
1914	...
1915	...
1916	...
1917	...
1918	...
1919	...
1920	...
1921	...
1922	...
1923	...
1924	...
1925	...
1926	...
1927	...
1928	...
1929	...
1930	...
1931	...
1932	...
1933	...
1934	...
1935	...
1936	...
1937	...
1938	...
1939	...
1940	...
1941	...
1942	...
1943	...
1944	...
1945	...
1946	...
1947	...
1948	...
1949	...
1950	...
1951	...
1952	...
1953	...
1954	...
1955	...
1956	...
1957	...
1958	...
1959	...
1960	...
1961	...
1962	...
1963	...
1964	...
1965	...
1966	...
1967	...
1968	...
1969	...
1970	...
1971	...
1972	...
1973	...
1974	...
1975	...
1976	...
1977	...
1978	...
1979	...
1980	...
1981	...
1982	...
1983	...
1984	...
1985	...
1986	...
1987	...
1988	...
1989	...
1990	...
1991	...
1992	...
1993	...
1994	...
1995	...
1996	...
1997	...
1998	...
1999	...
2000	...
2001	...
2002	...
2003	...
2004	...
2005	...
2006	...
2007	...
2008	...
2009	...
2010	...
2011	...
2012	...
2013	...
2014	...
2015	...
2016	...
2017	...
2018	...
2019	...
2020	...
2021	...
2022	...
2023	...
2024	...
2025	...
2026	...
2027	...
2028	...
2029	...
2030	...
2031	...
2032	...
2033	...
2034	...
2035	...
2036	...
2037	...
2038	...
2039	...
2040	...
2041	...
2042	...
2043	...
2044	...
2045	...
2046	...
2047	...
2048	...
2049	...
2050	...

...

...

...

Table VI

INSTITUTION CASES.

DISEASES	CASES NOTIFIED IN :-				TOTAL
	L.C.C. HOSPITALS	COUNTY HOSPITALS	E.M.S. HOSPITALS.		
SCARLET FEVER	-	4	8		12
DIPHThERIA	1	-	2		3
PNEUMONIA.	19	2	1		22
DYSENTERY	22	-	-		22
PUERPERAL PYREXIA	-	6	3		9
CERBROSPINAL FEVER	1	4	2		7
ENTERIC FEVER	2	-	-		2
SMALLPOX	-	-	-		-
ERYSIPELAS	23	5	2		30
	68	21	18		107





Table VII.

Comparative crude birth rates, death rates, analysis of mortality, maternal death rates and case rates for certain infectious diseases in the year 1940:-

	England and Wales.	126 County Boroughs and Great Towns including London.	148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census)	London Administrative County.	Borough of Epsom and Ewell
Births-	Rates per 1,000 Population.				
Live ..	14.6	16.0	15.7	13.7	13.23
Still ..	0.55	0.64	0.55	0.44	0.44
Deaths-					
All Causes..	14.3	15.8	12.8	17.8	9.14
Typhoid and Paratyphoid Fevers	0.00	0.00	0.00	0.00	0.00
Smallpox ..	-	-	-	-	-
Measles ..	0.02	0.02	0.02	0.01	0.02
Scarlet Fever	0.00	0.00	0.00	0.00	0.00
Whooping Cough	0.02	0.02	0.02	0.00	0.00
Diphtheria ..	0.06	0.07	0.05	0.01	0.00
Influenza ..	0.32	0.29	0.30	0.18	0.14
Notifications-					
Cerebro Spinal Fever ..	0.32	0.33	0.29	0.28	0.22
Measles ..	10.24	1.23	9.99	1.78	5.62
Whooping Cough	1.34	1.29	1.35	0.22	0.68
Smallpox ..	0.00	0.00	0.00	0.00	0.00
Scarlet Fever	1.63	1.53	1.57	0.82	1.33
Diphtheria..	1.16	1.29	1.21	0.61	0.09
Enteric Fever	0.07	0.06	0.10	0.06	0.03
Erysipelas..	0.33	0.36	0.30	0.35	0.58
Pneumonia ..	1.20	1.37	1.00	0.87	0.74
Deaths under 1 year of age	Rates per 1,000 Live Births.				
Deaths from Diarrhoea and Enteritis under 2 years of age	55	61	54	50	30.6
	4.6	5.9	4.4	5.8	8.2
Maternal Mortality-	Rates per 1,000 Total Births (i.e. Live and Still).				
Puerperal Sepsis	0.52	)	Not available	(	0.00
Others ..	1.64				0.00
Total ..	2.16				0.00
Notifications-Puerperal Pyrexia.	11.96	13.90	9.73	13.34	15.9

Comparative trends in the rates of death, disability, and hospitalization for tuberculosis, 1940-1950. (Estimated from the data in Table VI.)

Year	Rate per 1,000 population				Total
	Death	Disability	Hospitalization	Incidence	
1940	1.7	1.7	1.9	1.9	5.2
1941	1.7	1.7	1.9	1.9	5.2
1942	1.7	1.7	1.9	1.9	5.2
1943	1.7	1.7	1.9	1.9	5.2
1944	1.7	1.7	1.9	1.9	5.2
1945	1.7	1.7	1.9	1.9	5.2
1946	1.7	1.7	1.9	1.9	5.2
1947	1.7	1.7	1.9	1.9	5.2
1948	1.7	1.7	1.9	1.9	5.2
1949	1.7	1.7	1.9	1.9	5.2
1950	1.7	1.7	1.9	1.9	5.2