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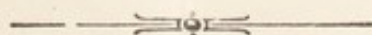
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The Urban District Council of Formby.



FIFTH
ANNUAL REPORT

OF THE
Medical Officer of Health

For the Year 1909.

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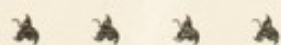
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Annual Report for 1909.



DUKE STREET,

FORMBY.

*To the Chairman and Members of the
Health Committee.*

GENTLEMEN,

I have great pleasure in submitting my Fifth Annual Report on the health and sanitary condition of your district for the year ending 1909.

Seven Tables are included in the Report as to the Vital Statistics of the District. Five of the Tables are required by the Local Government Board, one by the Home Office, and Table C by the County Medical Officer of Health.

Table I. deals with the Vital Statistics for the Whole District in 1909, and the past 10 years.

Table II. deals with the Separate Localities of the District in 1909 and the past 10 years,

Table III. deals with Infectious Cases notified during 1909.

Table IV. shows Causes of and Ages at Death during 1909.

Table V. deals with the Infantile Mortality during 1909

Table VI. is a Summary of the Work done under the Factory and Workshop Act.

Table C is a Summary and Report required by the County Medical Officer,

VITAL STATISTICS.

BIRTH RATE.

One hundred and ten births were registered during the year 1909. 51 boys and 59 girls. This gives a birth rate of 17.1 per thousand. This is a slight decrease from last year.

DEATH RATE.

The nett deaths at all ages belonging to the district is 62, which gives us a death rate of 9.6 per 1000. This is a slight increase, but is well below the average for the last 10 years.

INFANTILE MORTALITY.

The number of deaths of infants under one year is 11, which is a slight increase from last year.

INFECTIOUS CASES.

During the year 22 Infectious Cases were notified to me, none of which proved fatal, two cases only being removed to hospital at Bootle.

The following table gives the number of cases notified during the past 10 years.

1900..... 60	1905.....18
1901..... 45	1906..... ..35
1902..... .. 66	1907.....85
1903.....130	1908.....27
1904..... 35	1909.....22

This shows a gradual decrease from last year.

SCARLET FEVER.

Ten cases occurred during the year. No cases were removed to hospital.

DIPHTHERIA.

Five cases were notified to me. Two cases were removed to hospital.

ENTERIC FEVER.

One case only was notified to me.

ERYSIPELAS.

Six cases were notified to me.

PUERPERAL FEVER.

No cases were notified.

INFECTIOUS HOSPITAL.

Arrangements have been made with Bootle to take any of our cases.

INSPECTION OF THE DISTRICT.

During the year I have accompanied your Sanitary Inspector on many occasions to houses, dairies, shippons, bakehouses and workshops in the district, and I am pleased to note the improvements made to the shippons and Dairies.

SANITARY STATE OF THE DISTRICT AT
THE END OF THE YEAR.

I consider the sanitary condition much improved. This is no doubt due to the sewer working satisfactorily. At the same time I should like to see all the houses on the sewer area, not only connected to the main sewer but to the soil pipes and privies as well.

I am, Gentlemen,

Your obedient Servant,

FRANCIS CARTER,

Medical Officer of Health.

TABLE I.—Formby Urban District.
Vital Statistics of whole District during 1909 and previous years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		DEATHS AT ALL AGES, TOTAL.		TOTAL DEATHS IN PUBLIC INSTITUTIONS	Deaths of Non-residents registered in District.	Deaths of residents registered beyond District.	DEATHS AT ALL AGES, NETT.	
		Number.	Rate.*	Number	Rate per 1000 Births registered.	Number.	Rate.*				Number.	Rate.*
1	2	3	4	5	6	7	8	9	10	11	12	13
1899.	5,530	134	24.2	20	149.2	79	14.28	7	7	1	79	14.28
1900.	5,647	125	22.1	15	123.0	88	15.56	3	3	2	88	15.56
1901.	5,649	117	20.7	14	110.6	53	9.36	5	5	1	53	9.36
1902.	5,764	108	18.7	14	129.6	69	11.96	—	—	4	69	11.96
1903.	5,906	110	18.6	10	90.9	64	10.83	4	4	3	64	10.83
1904.	6,030	111	18.4	15	135.1	74	12.27	8	8	9	74	12.27
1905.	6,086	122	20.04	9	73.7	66	10.84	6	6	4	66	10.84
1906.	6,325	125	19.7	11	88.0	66	10.4	2	2	2	66	10.4
1907.	6,342	108	17.02	6	55.5	70	11.02	7	7	7	70	11.02
1908.	6,342	117	18.4	8	68.3	54	8.5	5	5	3	52	8.3
Averages for years 1899—1908.	5,962	117.7	19.7	12.2	102.3	68.3	11.5	4.7	4.7	3.6	68.3	11.5
1909.	6,424	110	17.1	11	100	58	8.1	3	1	4	62	9.6

* Rates in Columns 4 and 8 should be calculated per 1,000 of the estimated gross population. In districts in which large public institutions seriously affect the statistics, the rates in Column 13 may be calculated on a nett population, obtained by deducting from the estimated gross population the average number of inmates not belonging to the district in such institutions.

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

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

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

Area of District in acres (exclusive of area covered by water), 5,427.

At Census of 1901—Total population at all ages, 5,649. Number of inhabited houses, 1,054. Average No. of persons per house, 5.13.

I. Institutions within the District receiving sick and infirm per- sons from outside the District.	II. Institutions outside the District receiving sick and infirm persons from the District.	III. Other Institutions, the deaths in which have been distri- buted among the several localities in the District.
Shaftesbury House.		Royal Infirmary, Liverpool.

TABLE II. Formby Urban District.

Vital Statistics during 1909 and previous years.

YEAR.	NOTES.			
	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>
1899 ...	5530	134	79	20
1900 ...	5647	125	88	15
1901 ...	5649	117	53	14
1902 ...	5764	108	69	14
1903 ..	5906	110	64	10
1904 ..	6030	111	74	15
1905 ...	6086	122	64	9
1906 ...	6325	125	66	11
1907 ...	6342	108	70	6
1908 ...	6342	117	54	8
Averages of Years 1899 to 1908	5962	117.7	68.3	12.2
1909 ...	6424	110	58	11

(a) The separate localities adopted for this table should be areas of which the populations are obtainable from the census returns, such as wards, parishes or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district: and blocks 2, 3, &c., for the several localities. In small districts without recognised divisions of known population this table need not be filled up.

(b) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns *c* of this table, and those of non-residents registered in public institutions in the district excluded. (See note on Table I. as to meaning of terms "resident" and "non-resident.")

(c) Deaths of residents occurring in public institutions whether within or without the district, are to be allotted to the respective localities, according to the addresses of the deceased.

(d) Care should be taken that the gross totals of the several columns in this table respectively equal the corresponding totals for the whole district in Tables I. and IV.: thus, the totals of sub-columns *a*, *b*, and *c* should agree with the figures for the year in the columns 2, 3, and 12, respectively, of Table 1.: the gross total of the sub-columns *c* should agree with the total of column 2 in Table IV., and the gross total of sub-columns *d* with the total of column 3 in Table IV.

TABLE III. Formby Urban District.
Cases of Infectious Disease notified during the Year 1909.

NOTIFIABLE DISEASE.	CASES NOTIFIED.							Total Cases Removed to Hospital.
	At all Ages.	At Ages—+Years.						
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	
Smallpox ...	...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...	...
Diphtheria (including Membranous Croup)	5	1	2	...	2	...	2	...
Erysipelas ...	6	...	...	...	6	...	...	...
Scarlet Fever ...	10	4	3	2	1	...	...	...
Typhus Fever ...	...	...	...	...	...	...	...	...
Enteric Fever ...	1	...	1	...	...	...	...	...
Relapsing Fever ...	...	...	...	...	...	...	...	...
Continued Fever ...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...	...
*	...	...	...	...	...	...	...	...
Totals ...	22	5	6	2	9	...	2	...

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

State in space below the name of the isolation hospital, if any, to which residents in the district, suffering from infectious diseases, are usually sent, and the accommodation, available for the district, afforded by it. Mark (H) the locality in which it is situated, or if not with in the district, state where it is situated, and in what district. The name of the authority by whom the hospital is provided should also be given.

‡ These deaths must be included in Table IV, whether the hospital is situate within or without the district. Mark (W) the locality in which a workhouse is situated.

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

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

** Column 8 should be filled up with the totals of cases removed to hospital, whether the district is divided into separate localities or treated as one undivided area.

Isolation Hospital.—Boothle Fever. Total available beds, unlimited

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

State in space below the name of the isolation hospital, if any, to which residents in the district, suffering from infectious diseases, are usually sent, and the accommodation, available for the district, afforded by it. Mark (H) the locality in which it is situated, or if not with in the district, state where it is situated, and in what district. The name of the authority by whom the hospital is provided should also be given.

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** Column 8 should be filled up with the totals of cases removed to hospital, whether the district is divided into separate localities or treated as one undivided area.

Isolation Hospital.—Bottle Fever. Total available beds, unlimited

TABLE IV. Formby Urban District.

Causes of, and Ages at, Death during the Year 1909.

CAUSES OF DEATH.	DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING IN OR BEYOND THE DISTRICT.							Deaths at all ages of Residents belonging to Localities, whether occurring in or beyond the District.	Total Deaths whether of Residents or non-residents in Public Institutions in the District.
	All ages.	Under 1 year.	1 and under 5	5 and under 15.	15 and under 25.	25 and under 65	65 and upwards.		
Whooping Cough...	...	...	...	...	...	...	...	..	...
Gastritis (including Gastro-intestinal Catarrh ...	1	...	...	...	...	...	1	...	..
Phthisis (Pulmonary Tuberculosis) ...	5	...	1	...	...	3	1	...	...
Other tuberculous diseases ...	1	...	..	1	...	..	...	...	...
Cancer, malignant disease ...	7	...	...	...	...	6	1	...	...
Bronchitis ...	7	1	...	..	..	1	5	..	...
Pneumonia ...	11	1	...	...	..	2	8	..	...
Other diseases of respiratory organs	..	...	...	...	...	..	...	...	..
Alcoholism Cirrhosis of Liver ...	1	..	...	..	...	1	...	...	...
Premature birth ...	2	2	...	...	...	...	...	...	...
Diseases & Accidents of parturition ...	...	...	...	..	...	...	...	...	...
Heart diseases ...	5	1	...	...	...	2	2	...	..
Accidents ...	...	...	...	..	...	...	..	...	...
All other causes ...	18	6	...	...	...	3	9	4	3
All causes ...	58	11	1	1	...	18	27	4	3

NOTES TO TABLES IV. AND V.

- (a) In Table IV., all deaths of "Residents" occurring in public institutions, whether within or without the district, are to be *included* with the other deaths in the columns for the several age groups (columns 2-8). They are also, in columns 9-15, to be *included* among the deaths in their respective "Localities" according to the previous addresses of the deceased as given by the Registrars. Deaths of "Non-residents" occurring in public institutions in the district are in like manner to be *excluded* from columns 2-8 and 9-15 of Table IV.
- (b) See notes on Table I. as to the meaning of "Residents" and "Non-residents," and as to the "Public Institutions" to be taken into account for the purposes of these Tables. The "Localities" in Table IV. should be the same as those in Tables II. and III.
- (c) All deaths occurring in public institutions situated within the district, whether of "Residents" or "Non-residents," are, in addition to being dealt with as in note (a), to be entered in the last column of Table IV. The total number in this column should equal the figures for the year in column 9, Table I.
- (d) The total deaths in the several "Localities" in columns 9-15 of Table IV. should equal those for the year in the same localities in Table II., sub-columns c. The total deaths at all ages in column 2 of Table IV. should equal the gross total of columns 9-15, and the figures for the year in column 12 of Table I.
- (e) Under the heading of "Diarrhoea" are to be included deaths registered as due to Epidemic diarrhoea, Epidemic enteritis, Infective enteritis, Zymotic enteritis, Summer diarrhoea, Dysentery and Dysenteric diarrhoea, Choleraic diarrhoea, Cholera (other than Asiatic or epidemic), and Cholera Nostras.
Deaths from Diarrhoea secondary to some other well-defined disease should be included under the latter.
Deaths from Enteritis, Muco Enteritis, Gastro-Enteritis, and Gastritis (see under the heading Diarrhoeal Diseases in Table V.) in Tables IV and V. should be placed immediately below, but separately from those enumerated under the heading Diarrhoea as defined by enumeration above. This is particularly important for deaths under one year of age, as many of the deaths in infancy returned as due to Enteritis are really caused by Epidemic Diarrhoea. In the course of years, by the adoption of this recommendation, it will be practicable to ascertain the probable amount of transfer between these different headings.
- (f) Under the headings of "Cancer" and "Puerperal fever" should be included all registered deaths from causes comprised within these general terms. Thus: Under "Cancer" should be included deaths from Cancer, Carcinoma, Malignant disease, Scirrhus, Epithelioma, Sarcoma, Villous tumour, and Papilloma of bladder, Rodent ulcer. Under "Puerperal Fever" are to be included deaths from Pyæmia, Septicæmia, Sapræmia, Pelvic peritonitis, Peri- and Endo-Metritis occurring in the Puerperium.
- (g) Under "Congenital Defects" in Table V. are to be included deaths from Atelectasis, Icterus neonatorum, Navel hæmorrhage, Malformations, and Congenital hydrocephalus.
- (h) Under "Tuberculous Meningitis" are to be included deaths from Acute hydrocephalus.
- (i) Under "Other Tuberculous Diseases" are to be included deaths from Tuberculosis, Tuberculosis of bones, joints and other organs, Lupus and Scrofula.
- (j) All deaths certified by registered Medical Practitioners and all Inquest cases are to be classed as "Certified"; all other deaths are to be regarded as "Uncertified."

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

INFANTILE MORTALITY DURING THE YEAR 1909.

INFANTILE MORTALITY DURING THE YEAR 1909.

Deaths from stated Causes in Weeks and Months under One Year of Age. See Notes at back of Table IV.

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 Death under One Year.
	3	1	2	...	6	...	...	1	1	...	1	...	2	...	...	...	11
All Causes { Certified ... Uncertified...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhea, all forms	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteritis, Muco-enteritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gastro-enteritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Congenital Defects	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Want of Breast-Milk,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Starvation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy, Debility,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marasmus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuber- culous	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Convulsions	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Bronchitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other causes	2	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...
	4	...	2	...	...	...	...	1	1	...	1	...	2	...	...	...	11

District—Formby Urban District.

Population (estimated to middle of 1909)—6,424.

Births in the year—legitimate, 109; illegitimate, 1.

Deaths from all Causes at all Ages—62.

Deaths in the year—legitimate infants, 11 ; illegitimate infants, nil.

TABLE (C.)

County of Lancaster.

.....

Summary of Medical Officer's Report for 1909.

.....

Urban District of Formby.

Area in Statute Acres, 5 427.

Population (Census) 1909, 5,642.

Population (Estimated) 1909, 6,424.

Name of Medical Officer of Health, Francis Carter;
salary, £40.

Births registered: Male, 51; Female, 59; total 110.

Deaths registered (nett deaths belonging to the district):
Male, 29; Female, 33; total, 62.

Number of Illegitimate births registered, 1.

* Deaths of illegitimates under one year of age, nil.

Birth Rate, 17.1.

Death Rate, 9.6.

Rate of infant deaths, under 1 year, to 1000 births, 100.

Diseases prevalent, nil

Any schools closed?—No.

What is the character of the hospital accommodation?—For Small-pox, Bootle.

For other infectious diseases?—Bootle Fever Hospital.

† Is it joint or otherwise?—(See footnote): Cases admitted to Bootle at fixed rates.

Number of beds available for your district.—For Small-pox, limited to arrangements with Bootle.

For other infectious diseases, unlimited.

Number of cases removed from your district.—
Diphtheria, 2.

Deaths in hospital of patients from your district.—
From what causes? Nil.

How is disinfection carried out? Houses: Fumigation and spray. § Clothing, bedding, &c., super-heated steam. Apparatus used, Washington Lyon. Where situated, Bootle.

Number of cases of infectious disease reported under the Notification Act, 22.

Are any diseases not specifically mentioned in the Act notifiable (for instance, Measles, Whooping Cough, Diarrhœa, Chicken Pox, &c.)? If so, what are they?—No.

Has any arrangement been made for the “voluntary” notification of Phthisis?—No.

Is Diptheritic Anti-Toxin supplied to Medical Practitioners free of charge?—Yes.

* This information can generally be ascertained from the Returns of the Registrars of Births and Deaths.

† Small-pox; Scarlet Fever; Diphtheria and Membranous Croup; Fever—Typhus, Enteric, and Continued; Measles; Whooping Cough and Diarrhœa.

§ If Apparatus at a Hospital is available is it used for the disinfection of Clothing, Bedding, &c., of patients not removed to the Hospital? If not, please state how disinfection is carried out in these cases.

SUMMARY—Continued.

Action taken under "The Housing of the Working Classes Act"	No. of houses condemned, 10. Closed, 4. Demolished, nil. Being made habitable, 6.
From where is the Water Supply obtained? What is its condition?	Southport Water Board. Good, but hard.
Is it subject to your inspection?	No.
Is scavenging carried out satisfactorily	Yes.
How performed?	By contract.
How is the refuse disposed of	Deposited on open land, sorted out, levelled or burned.
Has a Destructor been provided?	No.
What is the character of Drainage and the form of Sewage Disposal?	Cesspools. Portion of district sewered into septic tanks, and thence to sea outfall.
Canal Boats: Number inspected?	None. Number of infringements of Acts? None,
What is the condition of the Bakehouses?	Satisfactory.
Slaughter-houses?	Satisfactory. Has a public abattoir been provided? No.
Lodging Houses	None. Are they registered? No.
What is the sanitary condition of the Schools?...	Good.
Dairies, Cowsheds, and Milkshops — Are they periodically inspected.....	Yes. What is their condition? Much improved.
Have Regulations been made under the order of the L.G.B.	Yes. Are they enforced? Yes.

SUMMARY—Continued.

Amount of air space in cubic feet required for each cow ?	800.
No. of Cowkeepers	32. No. on Register? 32.
No. of Dairymen or Purveyors of Milk (other than Cowkeepers) ?	1.
Food unfit for Human Consumption. Amount seized ?	Nil.
Department of Inspector of Nuisances	No. of Notices served? 108. Nuisances remedied? 70. No. of Legal Proceedings taken and result? Order made in one case.
Smoke.....	What is the time limit allowed for the emission of black smoke per hour? Nil.
Has the Authority adopted—	“The Infectious Disease (Prevention) Act, 1890” ? —Yes. “The Public Health Acts Amendment Act, 1890” ? —Yes. “The Public Health Acts Amendment Act, 1907” ? —No. “The Notification of Births Act, 1907” ?—No.
Has a Health Visitor been appointed ?	No.
Notable sanitary improvements during 1909	Increased facilities for sewerage purposes. Mortuary erected and fitted out.
Chief Sanitary requirements of District	Nil.

