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Contributors

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ROYAL STATISTICAL SOCIETY
26 AUG 1912

REPORT

ON THE

SANITARY CONDITION

OF THE

County Borough

OF

Birkenhead,

FOR THE YEAR 1911,

BY

R. SYDNEY MARSDEN,

D. Sc., M.B., Mast. Surg., D.P.H., F.R.S.Ed., M.R.I.A., F. Inst. Chem. L.A.H., Dublin (Honoris Causa).

Medical Officer of Health.

Fellow of the Chemical Society, Fellow and Ex-President of the Royal Medical Society, and Hon. Member of the University Natural Science Club; of Edinburgh. Fellow (President N. W. Branch) of the Incorporated Society of Medical Officers of Health. Fellow and Member of the Council of the Royal Institute of Public Health. Fellow and Member of the Council of the Incorporated Institute of Hygiene. School Medical Officer. Physician Superintendent of Birkenhead Hospital for Infectious Diseases, and of the Smallpox Hospital, and Ferry Surgeon, etc.

BIRKENHEAD:

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L.A.H., Dublin, Diploma in Public Health.

Medical Officer of Health.

Fellow of the Royal Institute of Public Health, and Examiner in the Royal Medical Jurisprudence and Hygiene of the University of Edinburgh, Fellow (Founder), N.W. Branch of the Society of Medical Officers of Health, Fellow and Member of Council of the Royal Institute of Public Health, Fellow and Member of Council of the Incorporated Institute of Hygiene, Member of Medical Officers, Physician Superintendent of Birkenhead Hospital for Infectious Diseases, and of the Tuberculosis Hospital, and Tetty Hospital, etc.

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1912.

HEALTH COMMITTEE

OF THE

BIRKENHEAD TOWN COUNCIL,

1911-12.

---

§†*Mr. Alderman E. G. MASON, J.P., Chairman.

§†*Mr. Alderman THOMAS SHAW, Deputy-Chairman.

§†*Mr. Alderman H. L. PEARSON, J.P., M.R.C.S., &c.

§†*Mr. Alderman MICHAEL BYRNE.

Mr. Councillor THOMAS TICKLE BAINES.

Mr. Councillor H H. CRUTCHLEY.

Mr. Councillor H. G. F. DAWSON, L.R.C.P. & S.I.

§Mr. Councillor ROBERT FRAME.

Mr. Councillor W. W. KELLY.

*Mr. Councillor J. W. P. LAIRD, J.P.

§Mr. Councillor FREDERICK NAYLOR.

Mr. Councillor HENRY BURDEN WEBB.

AND

HIS WORSHIP THE MAYOR.

(George Proudman, Esq.)

Day of Meeting every alternate Tuesday at 4-15 p.m.

*** Members of the Health Sub-Committee.**

† Members of the Hospital Sub-Committee.

§ Members of the Housing Sub-Committee.

OFFICIALS

OF THE

PUBLIC HEALTH DEPARTMENT, 1911.

Medical Officer of Health.

R. SYDNEY MARSDEN, D.Sc., M.B., MAST. SURG., D.P.H., F.I.C.
HONY. L.A.H., DUBLIN (1911).

Borough Analyst.

J. CARTER BELL, ASSOC. ROY. SCH. MINES., F.I.C., F.C.S., &c.

Chief Inspector and Inspector under the Food and Drugs Act.

*WILLIAM DAWSON, ASSOC. SAN. INST.

Chief Clerk.

JOSEPH BENNETT.

Junior Clerks.

JOHN OWEN, JOHN R. KNOWLES,
ROWLAND E. JONES.

Inspector of Meat, Fish, and Slaughter Houses.

*JOHN M. CARNIE.

District Sanitary Inspectors.

*JOHN LEE. *H. T. TAYLOR. *W. H. TILSTON.
*JOSEPH CROSHAW.

Inspector of Workshops and Bakehouses.

*S. H. MOORE.

Inspector of Common Lodging Houses and Houses let in Lodgings.

JOHN JONES.

Disinfecting Inspector.

ISAAC TAYLOR.

Keeper of Disinfecting House.

H. ELLIS.

Disinfecting Labourers.

ROBERT NIELD. *JOHN JACKMAN. TIMOTHY J. SCOTT.

Those marked thus * have passed the examination of the Sanitary Institute or the Scottish Sanitary Institute.

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To the Mayor, Aldermen, and Council of the County Borough of Birkenhead.

GENTLEMEN,

I have the honour of submitting to you my Twentieth Report to the Health Committee on the Health of Birkenhead, viz., that for the year 1911.

I am again privileged to record a satisfactory condition of the Health in the Borough.

The Report follows the usual lines, and will be found to contain a detailed account of the work done by the Public Health Department, which, I trust, may be found satisfactory to you.

I have the honour to be,
Gentlemen,
Your obedient servant,
R. SYDNEY MARSDEN,
MEDICAL OFFICER OF HEALTH.

PUBLIC HEALTH DEPARTMENT,
May 10th, 1912.

COUNTY BOROUGH OF BIRKENHEAD

DURING 1911.

SHORT SUMMARY.

Area in Acres .... 3,850, or a little more than 6 square miles.	
Population (at Midsummer)	131,377
Rateable Value	£681,745
1d. in the £ yielded for General Purposes	£2,640
1d. in the £ yielded for Sanitary purposes	£2,440
Number of Persons per Acre (Density of Population)	34·1
Birth Rate per 1,000 living	28·4
Death Rate do.	16·0
Zymotic Death Rate per 1,000 living	2·3
Average Death Rate last 10 years.....	16·2
Deaths of Children under 1 year of age to 1,000 Births	135
Percentage of Uncertified Deaths	0·6

THE SANITARY CONDITION

OF THE

COUNTY BOROUGH OF BIRKENHEAD

DURING 1911.

Report of the Medical Officer of Health to the Health Committee.

In presenting my Twentieth Annual Report on the Sanitary Condition of Birkenhead, which deals with the year 1911, I am pleased to say that the Health of the Borough as estimated by the general mortality was in a satisfactory condition, the Death rate of 16·0 per 1,000 being the lowest in the District, with the exception of Wallasey, and compares favourably with that of the 24 largest towns of England, of which Birkenhead is one.

The average death rate in Birkenhead during the ten years 1892-1901 was equal 18·8 per 1,000 persons living. During the ten years 1902-1911 it was 16·2, and in 1911 it was 16·0. It is obvious, therefore, that the death rate of

the Borough is steadily declining, showing the town to be in a healthy and satisfactory condition.

The birth rate for the year, 28·4, is satisfactory, being one of the highest rates in the country and higher than the average (25·8) for the 76 provincial towns. The average birth rate in the Borough for the last ten years, 30·4, is 2·0 higher than for 1911.

The Infantile death rate in Birkenhead was not excessive for a N.W. town, and was lower than in any other town of the District, except Wallasey. In 1911 it was 136 per 1,000 births, one of the lowest rates recorded for the Borough, and 4 below the average of the last 10 years (140), showing a gradual but steady improvement.

In writing my successive annual reports it has been my custom to draw attention to such injurious conditions as existed from time to time, and which seemed to require the special attention of the Committee, and also as to such steps as have been taken for their improvement. Following on these lines the present report will be found to contain references to certain matters to which I have already repeatedly called attention and which are inimical to health, and which, in my opinion, ought to be seriously considered and dealt with during the coming year.

And I must again repeat what I have so often had to remark, that one of the most important of these is the abolition of the cobble paving, which still exists in a large number of the streets. The crevices between the cobble stones form small catch pits for filth of every description, and cannot be properly cleansed, even with considerable attention being paid to them. When they are neglected or only half cleansed they are a source of distinct danger, and it is, therefore, desirable that this form of paving should be entirely done away with, or at least its gradual but steady removal accomplished. *In the light of recent scientific work on the breeding*

of flies and their action as disease carriers, any town which allows this kind of paving to continue must be considered as behind the times.

Rain Water Conductors.—Under Section 18 of the Birkenhead Improvement Act, 1884, the Corporation have power to require cast-iron channels to be laid across the footways to conduct the roof water from buildings.

The power is pretty generally enforced, and is the cause of a great nuisance to foot passengers in wet weather. These water channels, in a very large proportion of cases, are filled up with dirt, and do not allow the water to pass. In very many cases the down spouts do not properly connect with the openings into the channels, with the pretty general result that the water is poured over the surface of the footways to the inconvenience and danger of the passers by.

The old system of having an open channel cut in the flags, which could be regularly swept out every day the street was scavanged, was far better and more effective.

Persons getting their feet wet are apt to suffer from Rheumatism, Sciatica and other diseases—for this reason the present system should be done away with.

Public Conveniences for Women.—For a number of years I have been pressing the Health Committee to provide such conveniences, and I would again urge that this is one of the most important subjects which require dealing with. The Committee have already devoted much time and attention to its consideration, but I must press the matter forward, as I think it absolutely necessary in the interests of the health of the female part of the community, and ought to be dealt with without delay.

In the succeeding pages of this report will be found details of the work carried on by the Public Health Department, together with the vital and mortal statistics of the Borough during the year under consideration, as follows:—

DETAILED STATEMENT OF THE WORK OF THE PUBLIC HEALTH DEPARTMENT DURING 1911.

Ordinary Sanitary Operations.—The ordinary sanitary operations of the Department have continued to receive unremitting attention. House-to-house inspections of the cottage property in the Borough have been regularly made. Gulleys and passage drains have been periodically cleansed, public fountains, &c., have been scoured and kept in order, and the systematic removal of ashpit refuse at stated intervals has been carefully superintended.

Summary of Nuisances, &c.—The summary of nuisances investigated and dealt with during 1911 is as follows:—

	1911.
Number of nuisances reported	7720
Number of formal notices given	3085
Number abated after formal notice and without proceedings	7720
Number of cases in which proceedings were taken for ordinary nuisances	0
Number abated after proceedings...	0
House disinfecting notices...	425
Nuisances at houses let in lodgings	320
Nuisances at common lodging houses	68
Notices for cleansing of filthy houses	4

A brief statement of the other measures taken in 1911 for correcting or getting rid of whatever appeared to be prejudicial to health is subjoined.

Sanitary defects reported by the Inspectors and referred for the action of the Borough Surveyor	470
Matters reported to Water Engineer	204

Houses or parts of houses specially disinfected by formalin or other disinfectants	963
Notice to whitewash and efficiently cleanse milk-houses, cowsheds and dairies, given and complied with	351
Offensive privies ordered for conversion into water-closets	4
Parcels of infected bedding and clothes disinfected at the Disinfecting House	946
Parcels of infected or discarded bedding and clothes destroyed	453
Carcases of dogs and cats &c. removed from pools or waste land and buried	29
Deposits of putrid fish and other objectionable refuse removed	2
Total	3422

In addition to the above, the following work has been done:—

Number of excavations made for the purpose of testing the condition of house drains	149
Number of smoke tests applied to drains of premises reconstructed under the supervision of this Department ...	198
Number of water tests applied to drains. ...	278
Number of smoke tests applied to the drains of new buildings, in conjunction with the Borough Surveyor's Department	227

It will be seen from the above that the work of the Department continues to increase, this is in part due to new Acts of Parliament, to the ever-increasing population and consequent greater crowding, and also on account of the more

thorough manner in which examinations are now made. The latter tends to the advantage of the public, both as regards health and comfort, and every effort is made to keep down public or private nuisances dangerous to the community.

District Inspections—The following is a statement of the work done by the District Inspectors of Nuisances and the Disinfecting Inspector during 1911.

	Number of Visits and Revisits made to Insanitary Property.
District I.—Inspector Croshaw	5601
,, II — ,, Lee	4989
,, III.— ,, H. T. Taylor ...	5129
,, IV.— ,, W. H. Tilston ...	5931
Disinfecting Inspector Isaac Taylor ...	5726
Total	27676

Smoke Nuisances.—Observations were taken of the smoke emitted from the factory and other chimneys of the Borough during the year 1911. 5 notices was served for the abatement of a smoke nuisance, and 1 notice was served to raise a chimney.

Inspection of School Premises.

Working in conjunction with the Education Department, I had 34 schools specially examinined by the District Inspectors and reported thereon to the Education Committee.

2 special reports were also made with regard to children and their homes arising out of reports sent to me as school medical officer.

Inspection of Common Lodging Houses and Houses let in Lodgings.

The following is a statement of the work performed during the year 1911 by the Inspector of Common Lodging Houses and Houses let in Lodgings, viz:—

REGISTERED COMMON LODGING HOUSES.

Day Inspections	4674
Night Inspections	575

The total number of registered lodging houses is 19.

REGISTERED HOUSES LET IN LODGINGS.

Day Inspections	3551
Night Inspections	376

The total number of houses let in lodgings on the register at the end of 1911 was 685.

Corporation Tenement Dwellings.—324 visits were made during the year by the Inspector of Lodging Houses, &c., and 294 nuisances were reported, which have been abated.

FACTORY AND WORKSHOP ACTS, 1901 and 1907.

In connection with the carrying out of the provisions of these Acts, the following is a statement of the work done by the Inspector during the year, viz.:—

872 visits have been made to workshops.

395 visits have been made to bakehouses.

50 visits have been made to workplaces.

86 visits have been made to homeworkers' premises.

35 workshops, including 9 bakehouses, have been placed on the register during the year, making a total of 124 up to the end of 1911, of which 63 are bakehouses and 47 are confectioners' shops.

18 workshops have been closed.

5 workshops have been transferred to more suitable premises.

90 nuisances in connection with workshops have been reported and abated.

29 notices have been served for the abatement of nuisance arising out of defective drainage, and 5 for inefficient ventilation.

17 notices to cleanse and limewash the workshops have been served and complied with.

219 occupiers of workshops have limewashed their premises under inspection, but without waiting for the formal notice.

No case of overcrowding has been reported during the year.

2 workshops have been provided with w.c. accommodation, where none previously existed.

14 failures to affix abstract of the Factory and Workshops Act (s. 133).

Lists of out-workers have been carefully kept, and notices in the form prescribed by the Secretary of State, as given in my Report for 1892 (pp. 57 and 58), have been served when necessary.

Laundries.—224 visits were made during the year to the 51 laundries at present on the register.

Bakehouses.—The duties involved in carrying out the provisions of the Acts relating to the sanitary condition of bakehouses have been put under a special Inspector, and during the year 395 visits have been made to bakehouses.

There has been a very great improvement secured by this systematic inspection.

"Shop Hours Acts, 1892 and 1895."

In carrying out the provisions of these Acts the Inspector has paid 588 visits to different shops, and the occupiers' names and addresses have been placed upon a register specially kept for the purpose, together with the date of his visits.

Seats for Shop Assistants Act, 1899.

[62 and 63 Vict., ch. 21.]

77 premises have been visited under this Act, and 138 visits made during the year ending 1911.

SHOP HOURS ACT, 1904.

Closing Order with Respect to Hairdressers.

In connection with this Order, 1584 visits have been made. 2 summonses were issued for an infringement of this Order.

Administration of the Factory and Workshop Acts, 1901 & 1907,

IN CONNECTION WITH

Factories, Workshops, Laundries, Workplaces and Homework.

1. INSPECTION.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES.

Premises. (1)	Number of Inspections. (2)	Written Notices. (3)	Prosecutions. (4)
Factories (including Factory Laundries) ..	38	3	—
Workshops (including Workshop Laundries)	872	51	—
Workplaces (other than Outworkers' premises included in Part 3 of this Report) ..	50	—	—
Total	960	54	—

2. DEFECTS FOUND.

Particulars. (1)	Number of Defects: Found 2]	Remed'd [3]	Referred to H.M. Inspect'r [4]	Number of Prosecutions. [5]
Nuisances under the Public Health Acts :—				
Want of cleanliness..	38	38	—	—
Want of ventilation..	5	5	—	—
Overcrowding	0	0	—	—
Want of drainage of floors	3	3	—	—
Other Nuisances	23	23	—	—
Sanitary accommodation: insufficient .. .. / unsuitable or defective / not separate for sexes	Section 22 of the Public Health Acts Amendment Act, 1890, has been adopted, and the standard of sufficienty enforced is in accordance with the Home Secretary's Order of the 4th Feb., 1903.			
Offences under the Factory and Workshop Act :—				
Illegal occupation of underground bakehouse (s. 101)	—	—	—	—
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)	—	—	—	—
Other Offences (excluding offences relating to outwork which are included in Part 3 of this Report	21	21	—	—
Total	90	90	—	—

3. HOME WORK.

Nature of Work.*	Outworkers' Lists, Section 107.								Number of Inspections of Outworkers' premises.	Outwork in Unwholesome Premises, Section 108.			Outwork in Infected Premises. Sections 109, 110.		
	Lists received from Employers.				Numbers of Addresses of Outworkers received from other Councils.	Numbers of Addresses of Outworkers forwarded to other Councils.	Prosecutions.			Instances.	Notices served.	Prosecutions.	Instances.	Orders made (S. 110).	Prosecutions Sections 109, 110.
	Twice in the year.		Once in the year.				Failing to keep or permit inspection of lists.	Failing to send lists.							
[1]	Lists. 2	Outworkers 3	Lists. 4	Outworkers 5	6	7	8	9	10	11	12	13	14	15	16
	+	+													
Wearing Apparel—															
(1) making, etc. ..	38	59	5	7	8	16	—	No prosecutions have been taken, but in several instances employers were written to and the lists subsequently sent in.	86	—	—	—	—	—	—
[2] cleaning & washing	—	—	—	—	—	—	—		—	—	—	—	—	—	—
Furniture & upholstery	—	—	—	—	—	—	—		—	—	—	—	—	—	—
Total ..	38	59	5	7	8	16	—		86	—	—	—	—	—	—

Instructions.—*If an occupier gives out work of more than one of the classes specified in column 1, and subdivides his list in such a way as to show the number of workers in each class of work, the list should be included among those in column 2 (or 4 as the case may be) against the principal class only, but the outworkers should be assigned in column 3 (or 5) into their respective classes. A footnote should be added to show that this has been done.

+ The figures required in columns 2 and 3 are the total number of lists received from employers who sent them both in February and August as required by the Act and of the entries of names of outworkers in those lists. They will, therefore, usually be double of the number of such employers and (approximately) double of the number of individual outworkers whose names are given, since in the February and August lists of the same employer the same outworkers' name will often be repeated.

4. REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year. 1	Number. 2.
Important classes of workshops, such as workshop bakehouses may be enumerated here.	
Bakehouses	63
Confectioners	47
Other Workshops..	314
Total number of workshops on Register ..	424

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)	14
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	9
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) .. — Reports (of action taken) sent to H.M. Inspector.. ..	These matters were attended to at the time.
Other	None
Underground Bakehouses (s. 101) :—	
Certificates granted during the year	None
In use at the end of the year	37

The Midwives Act, 1902.

In connection with the carrying out of the provisions of this Act, a great deal of work was done during the year: not only in visiting the homes of midwives, but in interviewing them in connection with their work and explaining the provisions of the Act and the rules laid down for their guidance by the Central Midwives Board.

During the year 1911, 75 midwives entered their names on the local register as practising in the borough, being 11 more than in 1910, but names are constantly being added to the roll and there is reason to believe that this number will be considerably added to. Of the above 75, one died and two of them subsequently left the district, and their names have been removed from the register accordingly. Eight midwives gave notice of change of address.

During the year I received only four complaints against midwives. All of these were carefully investigated by me and the midwives in question interviewed. I also interviewed 12 midwives on minor matters where no complaint had been made.

Notices were received from midwives of 35 still births (20 male and 15 female) having occurred; and 37 cases were notified in which medical aid had been called in.

I paid a number of visits of inspection to midwives, and I also inspected the bags and registers of 20 midwives.

I received great assistance in connection with enquiries under this Act from the Female Health Visitors of the Birkenhead Society for the Prevention of Cruelty to Children, and ten special reports were made by them to me in important cases.

CLEANSING OF PERSONS ACT, 1897.

No-one applied to be cleansed under the provisions of this Act, but special baths are provided for this purpose at the disinfecting station in Corporation Road.

THE HOUSING, TOWN PLANNING, Etc., ACT, 1909.

(See also Page 41.)

DISTRICT A—

3 houses were inspected UNDER SECTIONS 14 AND 15.

28 visits were made in connection therewith.

25 houses were inspected UNDER SECTION 17.

50 visits were made in connection therewith.

DISTRICT B—

2 houses were inspected UNDER SECTIONS 14 AND 15.

30 visits were made in connection therewith.

8 houses were inspected UNDER SECTION 17.

24 visits were made in connection therewith.

DISTRICT C—

11 houses were inspected UNDER SECTIONS 14 AND 15.

152 visits were made in connection therewith.

54 houses were inspected UNDER SECTION 17.

229 visits were made in connection therewith.

DISTRICT D—

12 houses were inspected UNDER SECTIONS 14 AND 15.

139 visits were made in connection therewith.

101 houses were inspected UNDER SECTION 17.

202 visits were made in connection therewith.

Infectious Diseases (Prevention) Act, 1890.

96 Library books were collected from infected houses and 2 books were destroyed.

Seizure and Destruction of Unwholesome Meat, Fish, and Vegetables.

The Meat and Food Inspector has furnished the following particulars of meat, &c., unfit for human food, seized and destroyed during 1911.

The total weight of the meat destroyed amounted to 124,469 lbs, but of this a large proportion was voluntarily surrendered by the butchers, they having called the Inspector's attention to it.

As in all recent years, a considerable proportion of the meat taken was on premises in connection with the Foreign Animals Wharf, Woodside. The total number of oxen killed at Woodside and inspected by us during 1911 was 79,215, and 39,314 sheep; Wallasey Stage, 875 lbs.; but nothing was killed at No. 4 Shed, Wallasey, within our jurisdiction. At the Abattoirs in New Chester Road there were killed 1837 beasts, 5482 sheep, 5273 lambs, 388 calves, and 4001 pigs; a total at the Abattoirs of 16,981.

In addition to the above the following articles were seized and destroyed as unfit for food.

At the Market Hall ...	Fruit	16 lbs.
,, ,, ,, ...	Meat	25 lbs.
,, Shops	Meat	644 lbs.
,, ,, ...	Fish	6 lbs.
,, ,, ...	Offal	16 lbs.
In the street	Fruit	1792 lbs.
In works	Fruit	1372 lbs.
In transit...	Fruit	504 lbs.

Tuberculosis.

The following is a Statement of the number of cases dealt with during the year.

	At Woodside.	The Abattoirs.		Weighing lbs.
		Cattle	Pigs	
No. where whole carcasses taken....	7	14	4	14292
No. where part only was taken.....	9	3	..	3486
No. where offal only was taken	6	2	..	493
Total.....	22	19	4	18271

Proceedings taken under the "Sale of Food and Drugs Acts, 1875 to 1907."

The Chief Inspector (Mr. William Dawson) gives the following summary of proceedings taken under these Acts during 1911.

During the twelve months ending the 31st December, 1911, the following samples were taken and analysed, viz.:—

	Samples taken formally.	Samples taken informally.
Milk	107	—
Butter	49	5
Cheese	21	—
Coffee	13	—
Lard	9	3
Beer	10	—
Sweets	6	—
Cream	4	—
Bread	3	—
Malt Vinegar	3	—
Compound Liquorice Powder	2	—
Cream of Tartar	2	—
Gin	2	—
Ground Rice	2	—
Irish Whisky	2	—
Paregoric	2	—
Pepper	2	—
Port Wine	2	—
Rum	2	—
Scotch Whisky	2	—
Sweet Spirit of Nitre	2	—
Brandy	1	—
Black Currant Jam	1	—
Coffee and Chicory	—	1
Cream Cheese	1	—
Damson Jam	1	—
Raspberry Jam	1	—
Strawberry Jam	1	—
Tartaric Acid	1	—
	254	9

Total samples analysed during year...263

Out of the above, 5 samples of Coffee, 4 of Butter, 3 of Milk and 1 of Scotch Whisky were reported adulterated and proceedings were taken in respect to 4 samples of Coffee, 3 of Butter, 2 of Milk and 1 of Scotch Whisky.

With reference to the remaining samples reported adulterated the Health Committee considered it was inadvisable to institute proceedings, and the particulars of the respective cases, and the circumstances which determined the Committee's decision are as follows, viz :—

Milk sample No. 26	...	2 per cent of added water.
Milk sample No. 39	...	1 to 2 per cent of added water.
Coffee sample No. 192	...	40 per cent of Chicory.
Butter sample No. 247	...	17 per cent of water.

In the case of Milk sample No. 26 the adulteration was considered small, and upon further samples being taken and analysed they were found correct.

Milk sample No. 39 was purchased from a shopkeeper, and a subsequent sample, No. 46, was taken in course of delivery from the farmer supplying the shopkeeper. This sample was reported to contain 7 per cent of added water, and upon proceedings being instituted, the farmer was fined 5/- and £1 5/- costs.

In the case of Coffee sample No. 192 proper notice was given both verbally and by wrapper that the article was a mixture.

In the case of Butter sample No. 247, reported to contain 17 per cent of water, or 1 per cent more than allowed by the "Sale of Butter Regulations, 1902," proceedings were not instituted against the shopkeeper, but full particulars respecting the sample were supplied to the Board of Agriculture and Fisheries, and the Board are in communication with the Danish Agricultural Commissioner in Great Britain on the subject.

With reference to the 9 samples taken informally, the 5 samples of Butter and 3 of Lard were found pure.

The sample of Coffee and Chicory was taken at the request of a medical practitioner, who suspected the article to be the cause of the illness of a patient he was attending.

During the year 2 samples of Butter, 2 of Coffee and 1 of Brandy were obtained but not forwarded to the analyst owing to proper notice having been given at the time of purchase.

The particulars respecting the samples in which proceedings were taken are as follows :—

Quarter Ending	Article.	No.	Amount of Adulteration.	Fine Inflicted.	Costs Imposed.
1911.				£ s. d.	£ s. d.
March 31	Milk ..	46	7 % added of water ..	0 5 0	1 5 0
,, ,, ...	Milk ..	48	10 % of added water ..	2 0 0	1 1 0
December 31 ..	Coffee ..	191	60 % of Chicory ..	1 0 0	0 17 0
,, ,, ...	Butter ..	193	Margarine	5 0 0	2 19 0
,, ,, ...	Coffee ..	195	30 % of Chicory ..	0 5 0	0 17 0
,, ,, ...	Coffee ..	205	50 % of Chicory ..	0 1 0	0 17 0
,, ,, ...	Scotch Whisky ..	211	30 degrees under Proof or 5 deg. more than is allowed by Act of Parliament	0 1 0	0 17 0
,, ,, ...	Coffee ..	225	45 % of Chicory ..	0 10 0	0 17 0
,, ,, ...	Butter ..	240	Margarine	1 0 0	0 17 0

MARGARINE ACT, 1887.

The following proceedings have also been instituted under Section 6 of the Margarine Act, 1887, and Section 6, Sub-Section 2, of the Sale of Food and Drugs Act, 1899.

December 31	Butter ..	193	Margarine not labelled so as to be clearly visible to purchaser,		0 4 0
			and Margarine sold in an unlabelled paper wrapper	..	0 4 0
,, ,, ...	Butter ..	240	Margarine sold in an unlabelled paper wrapper	0 5 0	0 6 6
,, ,, ...	Butter ..	244	Margarine not labelled so as to be clearly visible to purchaser.	0 5 0	0 6 6

NOTE.—The information laid under the Margarine Act, 1887, in respect to Samples Nos. 193 and 244 were withdrawn on the suggestion of the Magistrates, the Defendants being convicted and fined under Section 6 of the Sale of Food and Drugs Act, 1875.

In the case, however, of Sample 193, the costs of the informations (2) were allowed.

Dairies, Cowsheds and Milkshops' Regulations.

1 summons was issued for an infringment under Section 8 of these Regulations.

Contagious Diseases (Animals) Act, 1886.

The Milkhouses.—The regulation of dairies, cowsheds, and milk-shops, and the supervision of milk-sellers, has had systematic attention for a number of years. Special care is taken that the ventilation, lighting, cleansing, draining, and water supply of premises used for milk-trade are thoroughly efficient. The register of milk-sellers is revised week by week. The total number of milk-shops is 203, in addition there are 29 purveyors of milk, 9 cowsheds, and 43 farmers resident outside the Borough, registered to purvey milk inside the Borough.

Twice every year notice is sent to all the milk-sellers requiring that the walls and ceilings of every room in the occupation of Registered Milk-sellers, used for storage or sale of milk, shall be lime-washed, that is to say, in March and September; but if the walls are painted, then they must be washed and thoroughly cleansed twice every year, in March and September.

Meteorological Results.

The noteworthy features of the meteorology of the year are given in the following tabular statement, which has kindly been prepared by W. E. Plummer, Esq., M.A., F.R.A.S., Director of the Observatory, Bidston Hill, Birkenhead, who also furnishes particulars weekly of the daily observations taken under his directions, from which Table IV. in the appendix is compiled.

1911	Mean Temperature	Mean Barometer	Rainfall 1 ft. above ground
	0°	Inches	Inches
January	40·2	30·292	0·640
February	41·4	30·102	1·840
March	42·5	29·943	1·132
April	46·2	29·983	1·803
May	56·3	29·981	0·585
June	58·0	29·967	2·343
July	64·2	30·146	0·469
August	64·9	29·967	3·112
September	57·0	30·034	5·106
October	49·6	29·898	2·467
November	43·4	29·658	2·189
December	43·6	29·608	3·579

Mean Barometer for the whole year=29·965 inches.

Mean Barometer for the past 40 years=29·922 inches.

Number of wet days in the year 1911=170 days.

Total amount of rainfall at Bidston, 1911=25·265 inches.

Average rainfall for last 40 years=28·600 inches

Barometer.—The mean barometer of 1911 (29·965 inches) was higher than last year and 0·043 higher than the average mean for the last 40 years. Detailed particulars respecting the barometric pressure, temperature, rainfall, wind, humidity of the air and the proportion of cloud to clear sky &c., will be found in Table IV.

Rainfall—The rainfall of 1911, 25·265 inches, was lower than last year and much lower than the average of the previous forty years.

Year.	Total Amount Rainfall in inches at Bidston	No. of wet days in the year
1901	25·192	190
1902	25·566	200
1903	34·418	224
1904	25·175	196
1905	24·011	192
1906	28·076	196
1907	26·568	209
1908	28·902	190
1909	28·447	202
1910	28·585	227
1911	25·265	170

Average rainfall for 40 years=28·6 inches.

The figures for the years 1867 to 1899 are given in my Report for 1904, and for 1886 to 1909 in my Report for the latter year.

For the relative mortality of different portions of the year, see under Births and Deaths.

PREVALENCE OF ZYMOTIC SICKNESS DURING 1911.

Notification of Cases of Dangerous Infectious Diseases.—The Infectious Disease Notification Act, 1889, requires householders and medical men in attendance to notify cases of dangerous infectious diseases to the Sanitary Authority, and gives facilities for supplementing the statement of the mortality from zymotic diseases, month by month, as they were reported. The diseases which require to be notified to the Authority as "dangerous infectious diseases" are:—

Small-pox.
Scarlatina.
Diphtheria.
Membranous Croup.
Erysipelas.
Fevers { Typhus. Typhoid. Continued. Relapsing.
Puerperal Septicæmia.
Cholera.

The cases notified appear in the following return, showing that 712 cases were notified during the year, being 150 more than the number notified last year.

The notification of Measles was discontinued after 7th August, 1907.

The following Table gives the number of Notifications of Dangerous Infectious Diseases in each month of the year.

1911.	Smallpox	Scarlatina	Diphtheria	Typhus Fever	Typhoid Fever	Puerperal Fever	Fever	Cholera	Mem. Croup	Erysipelas	Total
January	..	18	17	..	4	1	..	..	..	5	45
February	..	17	15	..	..	1	..	..	1	7	41
March	1	31	11	..	4	2	..	..	1	7	57
April	..	24	14	.	6	..	..	..	2	2	48
May	..	23	9	..	1	3	..	..	..	2	38
June	..	23	8	..	..	..	..	..	1	5	37
July	..	22	8	..	2	1	..	..	1	2	36
August	..	17	14	..	4	..	..	..	1	6	42
September ..	..	43	20	..	5	..	..	..	1	8	77
October	..	45	17	..	6	..	..	..	..	7	75
November....	..	65	16	..	2	..	.	..	..	7	90
December....	..	87	21	..	2	1	..	..	..	15	126
	1	415	170	..	36	9	..	..	8	73	712

And the next Table the number of cases of the different diseases notified in each year during the last fifteen years.

The statement is as follows:—

Year	Smallpox	Measles	Scarlatina	Diphtheria	Typhus Fever	Typhoid Fever	Fever	Mem. Croup	Cholera	Erysipelas	TOTAL
1896	..	2166	606	115	..	149	6	1	..	..	3043
1897	..	1141	630	89	2	152	17	1	..	..	2028
1898	1	589	643	190	1	243	17	3	..	.	1696
1899	..	2461	205	86	1	275	11	6	..	..	3068
1900	..	316	203	48	..	163	26	8	..	..	774
1901	..	2179	266	75	..	207	18	7	..	..	2791
1902	29	1356	407	114	1	327	20	16	..	35	2305
1903	88	420	658	101	..	79	14	12	..	78	1450
1904	40	2212	627	97	1	103	21	17	..	70	3188
1905	2	979	874	138	..	63	8	15	..	64	2143
1906	2	920	869	178	..	118	11	21	..	95	2214
1907	1	2287	288	212	..	70	7	15	..	73	2953
1908	5	..	454	140	1	62	10	11	..	94	777
1909	1	.	644	132	1	46	13	17	..	61	915
1910	7	..	291	130	..	30	5	10	..	89	562
1911	1	..	415	170	..	36	9	8	..	73	712

The figures for the years 1882-1905 will be found at page 25 in my report for 1905.

There were no cases of cerebro-spinal meningitis notified.

Small-pox.

Three cases of Small-pox were notified during the year. Of these three cases two were certainly Chicken-pox, and the third was also regarded as Chicken-pox by me.

VITAL AND MORTAL STATISTICS FOR THE YEAR.

Area—The Borough has an area of 3850 acres, or a little more than six square miles.

Population.—The Census was taken in England and Wales on April 2nd, 1911, and the result as given in the Preliminary Report on the same showed the number of persons in Birkenhead to be 130,832, being 19,917 in excess of the number enumerated in the Census taken on April 1st, 1901. The complete Census Report has not yet been issued.

For the purposes of this Annual Report an estimate is required of the number of persons living at Midsummer, 1911, and I have estimated that on the 30th June of that year the population was 131,377, and on this estimate have based the following statistics.

At the time of the 1901 Census the number of inhabited houses was 19,744, giving an average number of persons per house of 5·6; but I have not yet got the return of the number of houses in the Borough at the time of the 1911 Census.

I am indebted to the Chief Constable (W. S. Davies, Esq.) for the following Return of uninhabited property in the Borough of Birkenhead for the half year ending 31st December, 1911 :—

District	Half-year ended 31st Dec., 1911.					Half-year ended 30th June, 1911.				
	Private Houses	Shops	Cottages.	Dock Cottages	Total	Private Houses	Shops	Cottages	Dock Cottages	Total
Birkenhead ..	86	129	276	..	491	107	120	379	..	606
Claughton and Oxton ...	129	12	36	85	262	118	6	37	73	234
Tranmere and Bebington..	186	36	52	..	274	205	42	162	..	409
Totals	401	177	364	85	1027	430	168	578	73	1249

Total uninhabited and unoccupied property,
31st December, 1910 .....1451, decrease of 424 during 1911

The approximate estimate of houses of all descriptions within the Borough is.....25994

The approximate estimate of schoolrooms, warehouses, etc., is 1502

The number of new houses built during the last eleven years is shown below, for which information I am indebted to the Borough Surveyor. The number of houses demolished during the same period being 404.

Number of New Houses erected in the Borough since last Census.

April 1st, 1901, to December 31st, 1911 ... 5842
January 1st to December 31st, 1911 232

The number of houses demolished since taking of Census in 1901 to end of 1910 was 395, and 9 were taken down during 1911, a total of 404.

I am again able to report that the Health returns and the Birth and Death rates for the Borough are in every way satisfactory, and it will be a matter of gratification to the Health Committee to find that notwithstanding the steady growth in the population which is taking place, as shown by the last Census, and the consequent considerable increase of density, or in other words, number of persons per acre, yet their efforts to maintain a high state of sanitation in the Borough have borne fruit in a marked degree, and in a continued improvement in the public health.

As I have repeatedly pointed out the increase of the density of population in the absence of the counteracting influence of sanitary work would probably have greatly increased the mortality, and the improvement indicated could not possibly have taken place.

The following table gives the estimated Midsummer Populations of the Wards 1911 to 1920.

Wards	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Argyle ..	15154	15405	15661	15921	16186	16451	16724	17007	17291	17577
Grange ..	26387	26825	27271	27724	28185	28654	29130	29614	30106	30606
Cleveland	23812	24207	24609	25033	25449	25872	26302	26738	27183	27634
Claughton	8047	8179	8315	8445	8586	8728	8873	9020	9170	9329
Oxton ..	4801	4887	4968	5050	5134	5221	5308	5396	5484	5575
Clifton ..	24012	24411	24817	25229	25649	26076	26509	26948	27397	27852
Egerton ..	17264	17550	17841	18137	18439	18746	19058	19374	19696	20022
Mersey ..	8288	8425	8566	8708	8852	9000	9149	9301	9454	9611
Bebington	3573	3632	3692	3749	3811	3874	3940	4005	4072	4139
Whole Borough ..	131338	133521	135740	137996	140291	142622	144993	147403	149853	152345

Wards	Families or separate Occupiers 1911	Population				Institutions and Vessels	
		1901 Persons	1911 Persons	1911 Males	1911 Females	No.	Population
Birkenhead Wards..	26887	110915	130794	63601	67193	160	4451
Argyle	2877	15099	15154	8133	7020	46	920
Bebington	692	2971	3568	1658	1910	9	561
Claughton	1778	3920	7909	3467	4442	4	62
Cleveland	4796	20024	23722	12231	11491	59	730
Clifton..	4979	18177	23857	11816	12041	2	101
Egerton	3617	13090	17157	7826	9331	4	1282
Grange	5697	26613	26387	12685	13702	18	474
Mersey . ..	1643	6442	8243	4247	3996	15	204
Oxton	898	4579	4798	1538	3260	3	117

Births and Deaths in Birkenhead.—During the year 1911 the returns of the local registrars recorded 3748 births and 2107 deaths in the Borough of Birkenhead. The natural increase in the population in 1911 was therefore 1641. Of the births 1910 were males and 1838 were females; of the deaths 1121 were males and 986 were females.

Further particulars as to the births and deaths in the Borough registered in each quarter of the year, and in each township are given in the subjoined table. Those occurring in Union Workhouse are entered separately. Sixteen births have been subsequently transferred by the Registrar General to other districts. These have not been deducted in the following table.

Births	1st Qr.		2nd Qr.		3rd Qr.		4th Qr.		1911		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Birkenhead	281	266	261	288	241	231	250	224	1033	1059	2092
Claughton	31	25	35	17	26	23	35	20	127	85	212
Tranmere	159	152	174	183	173	162	168	131	674	623	1302
Oxton	6	2	3	5	4	8	5	3	18	18	36
Bebington	8	6	8	8	6	5	6	5	28	24	52
Union Hospital	8	9	6	3	6	7	10	5	30	24	54
Birkenhead Borough ..	493	460	487	504	456	486	474	388	1910	1838	3748

DEATHS.	1st Qr.		2nd Qr.		3rd Qr.		4th Qr.		1911		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Birkenhead	129	138	118	112	167	151	127	103	541	504	1054
Claughton	11	12	12	8	13	11	8	8	44	39	83
Tranmere	71	65	65	67	96	85	81	65	313	282	595
Oxton	5	9	10	5	6	4	6	4	27	22	49
Bebington	5	6	5	6	..	7	8	5	18	24	42
Union Hospital	54	42	38	17	49	21	37	35	178	115	293
Birkenhead Borough	275	272	248	215	331	279	267	220	1121	986	2107

The next table shews the revised estimated population of Birkenhead, the density of population and the number of births, deaths and zymotic deaths, and also the birth and death rates deducible from these figures for the years 1900 to 1911. These figures for the years 1878 to 1899 were given in my reports for the years 1898 and 1899. This table has been revised since the figures of the 1911 census have been published.

Year	Revised Estimated Population at Midsummer	Persons per acre.	Births.		Deaths.		Zymotic Deaths.	
			Number of Births	Birth rate per 1000 perannum	Number of Deaths	Death rate per 1000 per annum	Number of Deaths	Death rate per 1000 per annum
1900	110,042	28·58	3428	31·1	1965	17·8	209	1·8
1901	111,377	28·90	3230	29·0	2061	18·5	353	3·1
1902	113,231	29·41	3646	32·1	1989	17·5	270	2·3
1903	115,117	29·92	3516	30·5	1937	16·8	260	2·2
1904	117,034	30·39	3805	32·5	2282	19·4	465	3·9
1905	118,982	30·90	3707	31·1	1833	15·4	239	2·0
1906	120,964	31·41	3733	30·8	2078	17·1	371	3·0
1907	122,978	31·94	3727	30·3	1829	14·8	253	2·0
1908	125,026	32·47	3775	30·1	1929	15·4	267	2·1
1909	127,108	33·01	3737	29·4	1930	15·1	180	1·4
1910	129,227	33·56	3730	28·8	1993	15·4	251	1·9
1911	131,377	34·11	3732	28·4	2107	16·0	304	2·3

Infantile Mortality during 10 years, 1902 to 1911.

Year.	No. of Births.	Total Deaths of Infants under 1 year.	Deaths from Diarrhoea under 1 year.	Total Deaths of Infants per 1000 Births.	Deaths of Infants from Diarrhoea per 1000 Births.
1902	3646	552	50	151	13·7
1903	3516	548	104	155	29·5
1904	3805	688	136	180	35·7
1905	3707	481	88	129	23·7
1906	3733	565	152	151	40·7
1907	3727	410	30	110	8·0
1908	3775	516	67	136	17·7
1909	3737	458	33	122	8·8
1910	3730	507	56	135	15·0
*1911	3732	509	134	136	35·9

* This is the revised rate after the Registrar General has transferred births from other towns It cannot be compared with other towns unless we had all their revised rates.

Causes of Infantile Mortality during the past ten years (1902 to 1911.)

(DEATHS UNDER ONE YEAR.)

Cause of Death.	YEARS.									
	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
Chicken-pox		2	..	1	..	..	1	2	..	..
Measles	11	4	30	5	1	42	11	7	7	5
Scarlet Fever	2	1	..	1	..	1	..	1	..	1
Diphtheria and Mem. Croup	2	..	..	5	4	..	1	1	..	1
Whooping Cough	33	20	42	..	33	7	27	6	27	13
Diarrhœa	50	104	136	88	152	30	67	33	56	134
Enteritis	25	44	23	19	24	8	15	24	42	24
Gastritis	10	7	14	13	7	7	12	9	11	7
Premature Birth	51	53	77	71	68	61	81	58	65	53
Congenital Defects	3	2	3	10	13	12	17	15	18	24
Teething	12	9	12	3	5	6	2	4	5	7
Inanition and Privation	12	7	16	9	5	7	11	21	21	10
Debility	90	112	91	63	83	78	64	82	66	65
Tabes Mesenterica	8	5	7	11	9	10	11	15	5	5
Other Tubercular Diseases	19	7	12	12	9	9	12	12	16	14
Erysipelas	1	2	2	1	1	..	..	2	1	..
Syphilis	4	4	3	.	4	1	3	2	4	1
Rickets	1	1	..	2	1	2	..	2	..	1
Meningitis (not tuberculous)	17	14	9	12	11	7	11	9	5	7
Convulsions	29	37	31	24	23	18	15	13	21	18
Bronchitis	52	29	49	24	16	25	47	36	39	41
Pneumonia	57	31	59	47	45	35	51	55	50	40
Heart Disease	14	7	9	7	2	2	7	9	4	2
Suffocation, overlaying, etc.	7	3	8	16	5	9	16	10	8	7
Other Causes	42	43	55	39	44	33	34	30	36	29
Total Deaths per annum	552	548	688	481	565	410	516	458	507	509
No. of Births per annum	3646	3516	3805	3707	3733	3727	3775	3737	3730	3732
Death Rate per 1000 per annum per 1000 Births	151	155	180	129	151	110	136	122	135	136

Average Death Rate per 1000 per annum, per 1000 Births for the 10 years 1902 to 1911, equals 140.

Birth-rates and Death-rates in forty-five great towns in England.—In order that the birth-rates and death-rates of the Borough of Birkenhead in 1911 may be compared with the corresponding rates of the most populous cities and boroughs in England, the following table has been copied from the British Medical Journal. The table gives the *estimated* population of the forty-five large towns at Midsummer, 1911. For comparative purposes these figures are interesting, as they are all calculated on the same basis. *(See Table on page 33.)*

Table shewing the Birth Rates and Death Rates, &c., in the 45 great Towns (unrevised)

Name of Town	Estimated Population middle of 1911	Birth Rate 1911	Death Rate 1911	Infantile Rate per 1000 Births
76 great Provincial Towns	11635169	25·6	15·6	145
BIRKENHEAD	**131330**	**28·6**	**15·6**	**135**
Bristol	357509	21·8	15·1	141
Burnley	106569	23·3	18·0	210
Coventry	107287	27·0	13·1	107
Croydon	170451	22·1	11·8	106
Huddersfield	108144	19·7	15·0	132
Hull	278968	28·6	16 7	155
Leeds	445983	23·8	16·4	158
Liverpool	747627	30·2	20·0	154
Manchester	716166	26·2	17·0	154
Newcastle on-Tyne ..	267162	26·6	16·1	136
Norwich	121682	22·4	14·1	135
Oldham	147751	23·7	17·6	160
Plymouth..	112152	23·3	17·2	145
Wallasey	79137	22·0	12·3	108
Wolverhampton	95362	25·2	15·8	135
Birmingham	526030	28·1	16·8	164
Blackburn	133160	21·5	16·1	188
Bolton	181202	22·8	16·0	163
Bootle	70122	29·9	17·6	148
Bradford	288723	19·0	14·9	138
York	82407	23·8	13·4	113
Sunderland	151289	29·9	17·9	151
Stoke-on-Trent	235049	31·5	19·9	202
Wigan	89340	27·3	17·9	193
West Ham	289646	30·0	15·8	144
Warrington	72376	28·3	15·5	146
Southampton	119394	23·9	15·2	135
St. Helens	96870	33·2	18·2	160
Sheffield	455793	27·8	16·1	140
Derby	123648	23·9	14·3	123
Brighton	131444	19·7	13·8	98
Gateshead	117101	30·5	16·1	136
Leicester	227634	22·7	13·3	132
Nottingham .. .	260447	24 5	16·1	162
Portsmouth	232221	25 0	14·1	126
Salford	231641	27·2	16 7	149
Preston	117216	23·3	16·9	172
Rochdale	91645	20 7	15·1	139
Stockport	169090	23·4	15·7	170
Cardiff	182729	26·0	14·0	135
Halifax	101471	18·5	15·2	123
South Shields .. .	108844	30·2	17·1	147
Rhondda	153775	35.6	15·0	164
Swansea	115176	29·1	16·2	136

The proportion of Deaths of Infants under One year to the Births registered.—The proportion in Birkenhead Borough in 1911 was equal to 135 per 1000, and compares very favourably with that of other towns. It varied greatly in the different towns in the N.W. District—from 210 in Burnley, 193 in Wigan, 188 in Blackburn, 172 in Preston, 170 in Stockport, 163 in Bolton, 160 in Oldham and St. Helens, 154 in Liverpool and Manchester, 148 in Bootle, 146 in Warrington, to 135 in Birkenhead. In only 10 of the 45 great towns was the Infantile Death Rate lower than in Birkenhead—viz.: in Brighton, Coventry, Croydon, Derby, Halifax, Huddersfield (132), Leicester (132), Portsmouth, York and Wallasey.

Tabular Statements.—In the appendix to this Report are tabular statements of the year's mortality within the Borough, classified according to the diseases, ages and localities, a weekly register of deaths and of meteorological results, together with a return of the deaths in the Birkenhead Union Hospital and Workhouse, etc.

Table I. shows the deaths registered in the whole Borough during 1911, arranged with reference to the age at which death occurred in each case. They are disposed in four sub-tables—the deaths in the townships of Birkenhead and Claughton in the first, deaths in Tranmere (exclusive of the Union premises) and Oxton in the second, the deaths in the incorporated portion of Higher Bebington in the third, and the deaths in the Union Hospital and Workhouse in the fourth. The deaths of infants are entered up in three columns—those under one year, those of one year and under two years, and those turned two years and under five. Then follow the deaths of children and young persons, those turned five years and under twenty; and of adults those turned twenty and under forty, and those turned forty and under sixty. In the last two columns are the deaths of old people, those turned sixty and under eighty, and those of eighty and upwards. Reference to this table will show that, of the gross local mortality for 1911, the deaths of infants under one

year of age accounted for 509, those over one year but under five years of age 269, children and young persons 129, adults 629, old people sixty years of age and upwards 571.

The relative proportion of deaths in 1911 among the infants, children and young persons, adults and old people, to the whole number of deaths, in certain sub-divisions of the borough, in the premises controlled by the Guardians of the Poor, and in the entire incorporated area, is readily shown in tabular form, thus:—

Percentage of Deaths at certain ages to Total Deaths.	Under 1 Year	Age between														85 years and upwards.
		1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	65-75	75-85	
Birkenhead and Claughton	15·94	4·84	2·37	1·18	0·52	1·85	0·94	0·80	1·23	2·18	4·31	3·74	4·98	5·55	2·65	0·37
T'mere & Oxton	7·21	1·94	0·75	0·63	0·23	0·80	0·37	0·56	0·42	1·66	2·42	2·75	3·55	3·74	2·94	0·52
Bebington	0·23	0·04	0·04	..	..	0·04	..	0·04	0·04	..	0·18	0·18	0·47	0·28	0·33	0·04
Union Hospital and W'house	0·75	0·09	0·04	0·04	..	0·04	0·23	0·37	0·28	1·18	1·94	2·32	3·03	2·51	1·80	0·09
Birkenhead Borough	24·15	6·93	3·22	1·85	0·75	2·75	1·56	1·80	1·99	5·03	7·97	9·01	12·05	12·10	7·73	1·04

In this respect the local mortality compares favourably with the mortality in most great cities and boroughs. The percentages taken out for Bebington have little significance, the number of deaths being so small.

Table II. is the weekly register of deaths in the Borough of Birkenhead for 1911. The deaths are entered into three sub-tables, representing Birkenhead, Claughton, Tranmere, Oxton and Bebington, and the Union Hospital and Workhouse. Table III. is a summary of the weekly register of deaths. Table IV. is a Weekly Condensed Register of Meteorological Results. Table V. is a street register of deaths.

The Classification of Death Causes.—The causes of death, as they appear in Tables I. and II. in the appendix, are systematically classified according to the principles laid down by the late Dr. W. Farr, the nosology being that adopted by the Registrar-General until within the last few years, which experience has shown to be well suited for statistical purposes. The death causes are arranged under classes and orders, the latter corresponding to the families of Natural History. Genera, or what in

diseases would be varieties, are not distinguished. All death causes are thus conveniently classified under 140 heads, some of which however, include diseases very distinct from one another.

At the beginning of Table I. are the totals of deaths from all causes, and on the next line the totals of deaths from specified causes. The deaths which it is necessary to refer to unspecified causes are not only those ascribed in legal phraseology, to "visitation of God" or "natural causes," but those which, with almost equal vagueness, are classified as due to "tumour," "coma," etc. The deaths from specified causes are then divided into five classes. Class I. (the zymotic) embraces all diseases, either epidemic, endemic or contagious, which are induced by some specific body, or by want of, or by the bad quality of food. The diseases coming under Class II. (constitutional or cachetic) appear to be due to a bad habit of body, and possibly may sometimes be hereditary. Class III. takes in diseases the effects of which are manifest in disturbing or obliterating the function of particular organs or systems. Class IV. includes the conditions tending to produce death which are the incidental results of the formative, reproductive and nutritive processes. Class V. groups together all deaths which are the evident and direct result of physical or chemical forces.

Deaths from Zymotic Diseases. The deaths from zymotic diseases include 67 by what have been termed the chief zymotics (certain diseases belonging to the miasmatic order), viz., measles 23, scarlatina 5, diphtheria 21, membranous croup 4, fevers 9, and puerperal septicæmia 5. The remaining 237 were entered to what have been called minor zymotics (diseases less prevalent, less fatal, or less obviously zymotic in character), viz., whooping cough 31, erysipelas 1, influenza 2, diarrhœa 194, syphilis 5, and other zymotic diseases 4.

Relative Fatality of Chief Zymotic Diseases.

The following table shows at a glance the relative fatality of the chief zymotic diseases for the year on the corrected estimate of population.

Year	Deaths from Zymotic Diseases.								Death rate per 1000 living.							
	Smallpox	Measles	Scarlatina	Diphtheria	Whooping Cough	Typhus Fever	Typhoid Fever	Diarrhœa	Smallpox	Measles	Scarlatina	Diphtheria	Whooping Cough	Typhus Fever	Typhoid Fever	Diarrhœa
1902	2	36	20	23	60	...	43	63	0·01	0·31	0·17	0·20	0·52	...	0·37	0·55
1903	6	9	21	9	39	...	15	129	0·05	0·07	0·18	0·07	0·33	...	0·13	1·11
1904	1	98	20	29	83	1	13	187	0·008	0·83	0·17	0·17	0·70	0·008	0·11	1.58
1905	...	32	28	22	1	...	6	115	...	0.27	0·23	0·18	0·008	...	0·05	0·96
1906	...	8	31	24	58	...	17	200	...	0·06	0·25	0·19	0·47	...	0·14	1·65
1907	...	129	10	21	16	...	11	42	...	1·04	0·08	0·17	0·13	...	0·08	0·34
1908	1	44	6	8	60	...	9	94	0·007	0·35	0·04	0·06	0·47	...	0·07	0·75
1909	...	41	17	14	15	...	5	42	...	0·32	0·13	0·11	0·11	...	0·03	0·33
1910	...	34	5	19	64	...	10	78	...	0·26	0·03	0·14	0·49	...	0·07	0·60
1911	...	23	5	21	31	...	8	194	...	0·17	0·03	0·15	0·23	...	0·06	1·47

BIRKENHEAD.—Tuberculosis of the Lung (including Phthisis) and other forms of Tuberculosis.

Year.	Population at Midsummer	Number of Deaths.											
		Total.		Tuberculosis of the Lung (including Phthisis)				Other Forms of Tuberculosis					
		Deaths	Death Rate	Males (all ages)	Rate per 1000	Females (all ages)	Rate per 1000	Males (all ages)	Rate per 1000	Females (all ages)	Rate per 1000	Children (under 5)	Rate per 1000
1900	110042	159	1·35	84	0·76	75	0·68	25	0·22	24	0·21	38	0·34
1901	111377	148	1·32	82	0·73	66	0·59	8	0·07	11	0·09	18	0·16
1902	113231	197	1·73	109	0·96	88	0·77	12	0·10	7	0·06	17	0·15
1903	115117	155	1·34	84	0·72	71	0·61	6	0·05	4	0·03	7	0·06
1904	117034	174	1·48	93	0·79	81	0·69	6	0·05	5	0·04	10	0·08
1905	118982	178	1·49	100	0·84	78	0·65	16	0·13	2	0·01	16	0·13
1906	120964	162	1·33	99	0·81	63	0·52	26	0·21	19	0·15	25	0·20
1907	122978	121	0·98	66	0·53	55	0·44	36	0·29	26	0·21	37	0·30
1908	125026	151	1·20	89	0·71	62	0·49	37	0·29	28	0·22	40	0·31
1909	127108	137	1·07	81	0·63	56	0·44	41	0·32	21	0·16	49	0·38
1910	129227	152	1·17	98	0·75	54	0·41	41	0·31	31	0·23	49	0·37
1911	131377	160	1·21	98	0·74	62	0·47	31	0·23	20	0·15	36	0·27
Totals	1442463	1894	1·31	1083	0·75	811	0·56	285	0·19	198	0·13	342	0·23

The average Phthisis Death Rate for the last 10 years is 1·29 per 1000, equal to 158 deaths per year.

Inquests.—The number of inquests held during 1911 was 150, thus 7 per cent. of the sum of the deaths in the Borough formed the subject of official enquiries. Out of the 150 inquests held, 1 was upon the body of an infant whose death was due to being overlain.

Deaths not Certified.—Not all the death causes which are classified represent diseases or symptoms observed and certified by medical men in attendance during the last illness, or verdicts following official investigation. A significant proportion of the death causes are entered in the register on the doubtful testimony of deceased persons' relatives or friends, or fellow lodgers. The registrars have, therefore, been required to mark in the returns furnished, every death not certified by a registered practitioner, or made the subject of a coroner's inquest. In 1911, out of the 2,107 deaths registered, 14 were marked "not certified," that is 0·6 per cent. The causes of the 14 deaths were entered in accordance with the statements of persons giving information to the registrars as follows:—

Heart Disease	4
Old Age	2
Bronchitis	2
Diarrhœa	2
Debility	1
Pneumonia	1
Enteritis	1
Premature Birth	1

though how such conclusions were arrived at does not appear. In my opinion such deaths ought not to be registered without a Coroner's certificate.

The proportion of uncertified deaths to the sum of the deaths was as already stated, 0·6 per cent. as compared with 0·6 per cent. in 1910.

Deaths classified according to Localities.—Tables I., II., III., and IV., in the appendix, having been fully discussed, are

followed by Table V., in which the deaths registered during 1911 are classified according to the localities in which they occurred. Opposite each street or place is the number of deaths from all causes and from zymotic diseases, registered as occurring in that street or place during the year. As it was felt that particulars of the number of deaths from all causes and zymotic diseases in each ward would prove interesting, and as the Street Register does not afford this information, the Table here subjoined has been drawn up.

1911	Estimated Population at Midsummer, 1911.	Deaths from All Causes		Deaths from Zymotic Diseases		Death rate per annum.	Infantile Death Rates per 1000 Living	No. of Deaths under 1 year
		M.	F.	M.	F.			
Cleveland Ward ..	23546	198	177	32	34	15·9	4·9	116
Claughton ,, ..	7945	44	39	2	5	10·4	2·0	16
Grange ,, ..	26682	191	194	36	29	14·4	4·3	117
Argyle ,, ..	15124	152	133	28	23	18·8	5·7	87
Oxton ,, ..	4818	27	22	2	..	10·1	0·4	2
Egerton ,, ..	17230	111	85	14	12	11·3	2·7	48
Clifton ,, ..	23959	141	142	21	20	11·8	2·9	71
Mersey ,, ..	8098	61	55	12	17	14·3	3·8	31
Bebington ,, ..	3975	18	24	2	1	10·5	1·2	5
Birkenhead Borough including deaths in Union premises	131377	1121	986	159	145	16·0	3·8	509

Illegitimacy.—Statistics relating to illegitimacy are important, not merely on account of the bearing which such a subject has upon the social life of the community, but also with a view ultimately of showing to some extent the influence which illegitimacy exerts upon the "chances of life" of infants, as it is well known that the death-rate of illegitimate children is considerably greater than that of those born in wedlock. I have thought it desirable, therefore, to continue these statistics in this report, as the subject is one of some interest.

The following table gives the total number of legitimate and illegitimate births, with the rates per 1000 of births and per 1000 living, and statistics relative to the deaths of such children under one year of age.

Illegitimate Births and Deaths, 1911.

Registrar's Sub-District	Estimated Population 1911.	Births		Illegitimate Births		Total deaths of children under one year of age	Deaths of Illegitimate children under one year of age	Percentage of deaths of Illegitimates to total deaths under one year of age
		Legitimate	Illegitimate	to 1000 living	to 1000 births			
Birkenhead ..	65352	2044	48	0·73	23·48	320	14	4·37
Tranmere, Oxton, Claughton, and Bebington and Workhouse ..	66025	1577	79	1·19	50·09	189	13	6·87
Total	131377	3621	127	0·96	35·07	509	27	5·30

HOUSING OF THE WORKING CLASSES ACTS, 1890 to 1909.

The following particulars show the work carried out under the provisions of the above Acts during the twelve months ending 31st March, 1912, viz. :—

No. of houses in respect of which notices were given by the Local Authority under Section 15 (3) of the Housing, Town Planning, etc., Act, 1909 34

No. of houses in respect of which at 31st March, 1912, the notices referred to in the above paragraph had been complied with by the landlords to an extent accepted by the Local Authority as making the houses reasonably fit for human habitation ... 32

No of houses referred to above in respect of which the notices remained undisposed of at 31st March, 1912 2

No. of dwelling houses in respect of which complaints were made to the Medical Officer of Health by householders during the year ending, 31st March, 1912 (Section 31 (1) of the Act of 1890) 39

No. of dwelling houses in respect of which representations were made to the Local Authority during the year ending 31st March, 1912, by their Officers or from other sources—

(a) By the Medical Officer of Health upon complaints made by householders (Section 31 (1) of the Act of 1890) 23

(b) By the Medical Officer of Health without such complaints (Section 30 of the Act of 1890, and Section 17 of the Act of 1909) 48

No. of dwelling houses in regard to which complaints had been received from householders but no representations made under the Act, and in respect of which the Local Authority decided not to take any action either under Section 15 of the Act of 1909, or under Section 17 of that Act 8

No. of dwelling houses in respect of which closing orders were made during the year ending 31st March, 1912, by the Local Authority (Section 17 of the Act of 1909) 15

In addition to the making of closing orders relating to 15 houses, arrangements have practically been completed for the demolition of 26 houses (the subject of representations) without making closing orders, and negotiations are in progress relating to 30 houses.

I am, Gentlemen,

Your obedient servant,

R. SYDNEY-MARSDEN,

Medical Officer of Health.

PUBLIC HEALTH DEPARTMENT,

TOWN HALL.

May 10th, 1912.

THE INFECTIOUS DISEASES HOSPITAL,

TOLLEMACHE ROAD.

Report for the Year 1911.

HOSPITAL VISITING SUB-COMMITTEE.

Mr. Alderman E. G. Mason, J.P., Chairman.

Mr. Alderman H. L. Pearson, J.P., M.R.C.S.

Mr. Alderman Thomas Shaw.

Mr. Councillor Michael Byrne.

Mr. Councillor W. W. Kelly.

MATRON:

Miss Emily Yeomans.

There has been no addition to the number of beds in the hospital during the year, nor has there been any change in the number of the Staff.

The total number of patients treated in the hospital during the year (January 1st to December 31st) was 401; of these 378 were admitted during the year, and 23 remained in hospital from 1910. Out of those admitted 20 died, giving a death-rate of 4·8 per cent., a low percentage.

The following table gives a summary of the cases treated in the hospital during the year 1911, along with the results obtained.

Diseases	M.	F.	Recovered		Died	
			M.	F.	M.	F.
Tuberculosis—remaining ..	1	..	..	..	1	..
Scarlet Fever—remaining ..	3	8	..	..	..	..
admitted ..	127	160	127	157		3
Typhoid—admitted	7	7	5	6	2	1
Diphtheria—remaining ..	5	6	5	6	..	..
admitted ..	31	34	27	31	4	3
Laryngismus Stridulus ..	1	2	..	..	..	2
Pneumonia	..	1	..	1	..	..
Chicken-pox	..	1	..	1	..	..
Purpura Haemorrhagica	..	1	..	..	..	1
Measles	1	..	.	..	1	..
Sore Throat	..	2	.	2	..	..
Puerperal Fever . ..	..	1	..	..	..	1
Gastric Ulcer	..	1	..	1	.	..
Impactum of Gall Bladder ..	..	1	..	..	..	1
Total Treated..	176	225	164	205	8	12

Thus out of 378 cases admitted 19 died (5·0 per cent.)

A case of chicken-pox was sent in as small-pox; a case of measles sent as diphtheria; a case of puerperal septicæmia sent as typhoid; and a case of impactum of the gall bladder also sent as typhoid; whilst a case of purpura haemorrhagica was sent as diphtheria.

The smallpox hospital, containing 44 beds, stands in its own ground, and is provided with a separate administration block, washhouse, mortuary &c., and is entirely distinct from the other hospital.

The following are the statistics regarding

The Smallpox Hospital, 1911.

Number of Patients.	M.	F.	Died.	
			M.	F.
Admitted 1911	1	1	0	0
Total treated during year ..	1	1	0	0

THE E. P. SMITH MEMORIAL CONVALESCENT FUND.

For Patients who have been treated in the Fever Hospital.

Particulars relating to this fund were given in my Report for 1903.

The following is a list of the initials of the persons who have benefitted by the fund during the year 1911.

May	J.M.
June	E.B.
October...	E.R.

The fund is now regularly used as far as possible.

APPENDIX.

1—Vital Statistics of Whole District during 1911 and previous years.

2—Table showing Death Rates each week during 1911.

3—Causes of and Ages of Death during 1911.

4—Cases of Infectious Disease notified during 1911.

5—Deaths of Non-Residents in Public Institutions in Birkenhead during 1911, *not included* in Return.

6—Infantile Mortality during the year 1911.

TABLE I.—Deaths Registered in the County Borough of Birkenhead during the year ending December 31st, 1911, classified according to age.

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the year ending December 31st, 1911.

TABLE III.—Weekly Condensed Register of Deaths for 1911.

TABLE IV.—Weekly Condensed Register of Meteorological Results for 1911.

TABLE V.—Street Register of Deaths—1911.

SUPPLEMENT TO TABLE V.—Return of Deaths in Birkenhead Union Hospital and Workhouse, registered in 1911.

Vital Statistics of Whole District during 1911 and previous Years.

Year	Population estimated to Middle of each Year	Births			Total Deaths Registered in the District		Transferable Deaths		Nett Deaths belonging to the District			
		Un-corrected Number.	Nett.						Under 1 year of age		At all ages	
			Number	Rate	Number	Rate	of Non-residents registered in the District	of Residents not registered in the District	Number	Rate per 1,000 Nett Births	Number	Rate
1906	120964	3733		30·8	2078	17·1	28	30	565	151	2080	17·1
1907	122978	3727		30·3	1829	14·8	17	31	410	110	1843	14·9
1908	125026	3775		30·1	1929	15·4	14	36	516	136	1951	15·6
1909	127108	3737		29·4	1946	15·3	16	35	458	122	1965	15·4
1910	129227	3730		28·8	1980	15·3	17	30	507	135	1993	15·4
1911	131377	3748	3732	28·4	2054	15·6	29	82	509	136	2107	16·0

Total Population at all ages - 130,794

Number of inhabited houses } not yet received. } At Census, 1911.
Average number of persons per house

Area of District in acres (exclusive of area covered by water) } 3,580

Table shewing Death Rates each week during year 1911.

(Unrevised as to transferable deaths from other districts).

Week Ending 1911.	No. of Deaths.	Death rate per 1,000	Week Ending 1911.	No. of Deaths.	Death rate per 1,000.
January 7	38	15·0	July 8	35	13·8
14	45	17·8	15	23	9.1
21	44	17·4	22	40	15·8
28	46	18·2	29	38	15·0
February 4	51	20·1	August 5	50	19·7
11	53	20·9	12	40	15·8
18	47	18·6	19	61	24·1
25	33	13·0	26	57	22·5
March 4	42	16·6	September 2	44	17·4
11	36	14·2	9	56	22·1
18	37	14·6	16	54	21·3
25	28	11·0	23	52	20·5
April 1	34	13·4	30	34	13·4
8	39	15·4	October 7	47	18·6
15	51	20·1	14	38	15·0
22	44	17·4	21	35	13·8
29	39	15·4	28	19	7·5
May 6	31	12·2	November 4	30	11·8
13	38	15·0	11	29	11·4
20	29	11·4	18	41	16·2
27	40	15·8	25	30	11·8
June 3	27	10·6	December 2	39	15·4
10	31	12·2	9	40	15·8
17	31	12·2	16	46	18·2
24	25	9·8	23	31	12·2
July 1	22	8.7	31	36	14·2

Causes of, and Ages at, Death during Year 1911.

Causes of Death.	Nett Deaths at the subjoined ages of Residents, whether occuring within or without the district.									Deaths in or belonging to localities at all ages.							Total Deaths in Public Institutions in the District
	All ages	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Whole Borough	Birkenhead	Tranmere	Claughton	Oxton	Bebington.	Workhouse	
All causes — Certified	2093	506	145	121	91	80	272	443	435	2093	1041	585	83	49	42	293	156
All causes — Uncertified	14	3	1	2	...	...	2	1	5	14	4	10	...	...	...	...	...
Enteric Fever	8	..	...	...	...	1	3	4	...	8	1	...	...	...	...	7	2
Smallpox	..	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	23	5	8	7	3	...	...	...	...	23	13	10	...	...	...	...	2
Scarlet fever	5	1	...	1	1	1	1	...	...	5	4	1	...	...	...	...	2
Whooping-cough	31	13	10	8	...	...	...	...	...	31	13	15	1	1	1	...	...
Diphtheria and Croup	25	1	3	9	11	1	...	...	...	25	17	7	...	1	...	...	9
Influenza	2	...	...	...	...	1	...	...	1	2	2	...	...	...	...	...	...
Erysipelas	1	...	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...
Cerebro-Spinal Fever	1	...	...	...	...	...	1	...	...	1	...	1	...	...	...	...	...
Continued Fever	1	...	...	1	...	...	...	...	...	1	1	...	...	...	...	...	...
Chickenpox	.	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
Other Zymotic Diseases	9	1	1	...	...	...	1	4	2	9	1	6	...	...	...	2	...
Phthisis (Pulmonary Tuberculosis)	160	1	2	7	13	25	66	44	2	160	66	37	7	4	2	44	4
Tuberculous Meningitis	12	6	1	4	1	...	...	...	...	12	6	4	1	...	...	1	1
Other tuberculous diseases	39	12	4	9	8	1	3	1	1	39	23	10	3	...	...	3	5
Rheumatic Fever, Rheumatism	5	...	...	...	...	...	1	4	...	5	3	2	...	...	...	...	...
Cancer, malignant disease	114	...	...	...	...	2	14	56	42	114	40	38	14	5	2	15	6
Bronchitis	162	41	10	4	1	...	11	32	63	162	96	33	6	1	1	25	2
Broncho-Pneumonia	78	26	15	18	5	1	5	5	3	78	49	21	...	2	4	2	3
Pneumonia (all other forms)	127	14	13	8	6	11	28	26	21	127	76	33	3	3	1	11	12
Other diseases of Respiratory organs	53	9	5	7	3	3	6	17	3	53	31	17	1	...	1	3	4
Diarrhœa and Enteritis	236	158	47	11	1	...	2	8	9	236	148	70	9	1	1	7	2
Appendicitis and Typhlitis	5	...	...	1	1	1	2	...	...	5	1	2	...	2	...	...	3
Alcoholism	2	...	...	...	...	...	1	...	1	2	1	...	...	1	...	...	1
Cirrhosis of Liver	16	...	...	...	..	...	3	10	3	16	6	8	...	...	...	2	1
Nephritis and Bright's Disease	38	...	...	3	2	...	6	19	8	38	17	14	1	1	1	4	7
Puerperal Fever	5	...	.	...	...	1	4	...	...	5	3	...	...	...	...	2	2
Other accidents and diseases of Pregnancy and Parturition	5	...	...	...	...	1	4	...	...	5	1	1	...	...	...	3	1
Congenital Debility & Malformation, including Premature Birth	163	152	6	5	...	...	...	...	...	163	103	40	8	1	2	9	16
Violent Deaths, excluding Suicide	61	1	3	5	8	6	21	10	7	61	35	21	...	3	...	2	27
Suicides	14	...	...	...	...	1	6	6	1	14	3	5	1	3	...	2	1
Other Defined Diseases	706	68	18	15	27	22	85	198	273	706	285	199	28	20	25	149	43
	2107	509	146	123	91	80	274	444	440	2107	1045	595	83	49	42	293	156

Cases of Infectious Disease notified during the year 1911.

Notifiable Disease.	Number of Cases notified.									Total Cases notified in each Locality (*e.g.* Parish or Ward) of the District.											Total Cases remov'd to Hospit'l
	At all Ages.	Not given.	Under 1 year	1 to 5 years.	5 to 15 years.	15 to 25 years	25 to 45 years.	45 to 65 years.	65 and upw'rds	Argyle	Grange	Cleveland	Oxton	Claughton	Clifton	Egerton	Mersey	Bebington	Workhouse: In-patients and out-patients	Workhouse: Cases from outside Boro'gh	
Smallpox	1	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria (including Membranous Croup)	171	3	1	58	78	20	9	1	1	20	37	38	3	10	27	20	15	...	...	1	67
Erysipelas	73	..	...	...	..	...	...	...	...	11	17	13	1	...	9	10	7	1	4	...	...
Scarlet Fever	403	..	3	103	255	28	14	...	...	58	69	72	8	28	70	30	58	9	1	...	287
Typhus Fever ...	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...
Enteric Fever	33	1	...	1	11	4	10	6	...	8	6	6	1	..	8	2	2	...	...	...	14
Relapsing Fever ..	..	...	...	...	...	...	...	...		...	...	...	...	...	.	...	...	...	...	...	...
Continued Fever ...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	..	..	...	...
Puerperal Fever ..	9	1	...	...	...	1	7	...	...	...	...	1	...	...	2	1	4	1	...	...	...
Plague	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis: Under 1908 Tuberculosis Regulations; Under 1911 Tuberculosis Regulations; Others ...	253	...	1	8	40	40	104	48	3	51	75	67	4	6	19	16	11	3	1	...	..
Totals... ..	943	5	5	170	384	94	144	55	4	148	204	197	17	44	136	79	97	14	6	1	369

Deaths of Non-Residents in Public Institutions, &c., in Birkenhead during 1911 NOT INCLUDED in Returns.

Week.	Sex.	Age.	Cause of Death.
5	F	9 ds	Convulsions
7	M	30	Phthisis
7	M	32	Pneumonia
8	M	48	Pneumonia
14	M	19 ms	Empyema
27	M	42	Alcoholism
30	M	45	Accident, crushes
32	M	2	Tubercular Peritonitis
32	M	29	Bright's Disease
32	M	39	Accident, crushes
32	M	36	Cancer
35	M	15	Sarcoma of leg
36	M	9	Accident, fall
37	M	23	Obstruction of Bowels
38	M	22	Typhoid fever
39	M	43	Phthisis
39	M	37	Accident, fracture
39	M	64	Drowning
40	M	2 ms	Peritonitis
41	F	19 ms	Diphtheria
41	M	28	Nephritis
42	M	35	Fracture of Skull
44	M	45	Phthisis
46	F	63	Anæmia
49	F	71	Influenza
49	F	5	Tubercular Meningitis
49	F	38	Ovarian Disease
51	M	34	Brain Disease
52	F	6 ds	Prematurity

Infantile Mortality during the year 1911.

Cause of Death.	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-3 mos.	3-6 mos.	6-9 mos.	9-12 mos.	Total Deaths und'r 1-yr
All Causes :—										
Certified	73	19	22	21	135	112	103	85	71	506
Uncertified	..	1	..	..	1	.	1	1	..	3
Common Infectious Diseases :—										
Smallpox	..	..	..	..	..	..	..	..	..	..
Chickenpox	..	..	..	..	..	..	..	..	..	..
Measles	.	..	..	..	..	..	..	4	1	5
Scarlet Fever	..	..	.	1	1	..	..	..	..	1
Diphtheria and membranous croup	..	..	..	..	..	.	1	..	.	1
Whooping Cough	..	.	..	1	1	2	1	5	4	13
Diarrhœal Diseases :—										
Diarrhœa, all forms	..	1	1	1	3	38	39	29	25	134
Enteritis	..	2	1	1	4	5	8	3	4	24
Tuberculous Diseases :—										
Tuberculous Meningitis	..	..	..	..	..	..	1	5	1	7
Abdominal Tuberculosis..	..	..	..	1	1	2	2	3	2	10
Other Tuberculous Diseases	..	..	..	..	..	..	1	1	..	2
Wasting Diseases :—										
Congenital Malformations	12	3	4	..	19	3	2	..	..	24
Premature Birth	37	7	4	1	49	2	2	..	..	53
Atrophy. Debility, Marasmus	13	3	6	6	28	16	23	3	5	75
Other Causes—										
Atelectasis	1	..	1	..	2	..	..	..	..	2
Injury at Birth	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	1	..	..	..	1
Rickets	..	..	..	..	..	..	..	..	1	1
Meningitis (not tuberculous)	..	..	..	..	..	..	..	2	5	7
Convulsions	5	..	1	1	7	5	1	3	2	18
Gastritis	..	1	..	1	2	4	1	..	..	7
Laryngitis	..	..	..	..	..	..	..	..	..	..
Bronchitis	..	1	2	2	5	12	9	11	4	41
Pneumonia (all forms)	..	1	..	2	3	9	8	7	13	40
Suffocation, overlying	3	..	1	..	4	3	..	..	..	7
Other Causes	2	1	1	3	7	10	5	10	4	36
	73	20	22	21	136	112	104	86	71	509

Nett Births in the year { legitimate 3615; illegitimate 117 }

Nett Deaths in the year of { legitimate infants 482; illegitimate infants 27 }

TABLE 1.—Deaths Registered in the Borough of Birkenhead during the Year ending December 31st, 1911.

Class	Causes of Death	Cleveland, Claughton, Grange and Argyle Wards — Total	Oxton, Egerton, Clifton and Mersey Wards — Total	Bebington Ward — Total	Union Hospital — Total	Summary — M	Summary — F	Summary — Total
	All Causes	1129	[illegible]	42	295	1131	966	2097
	Specified Causes	1122	[illegible]	41	292	[illegible]	[illegible]	[illegible]
	(Classes.)							
I.—	Zymotic Diseases	[illegible]	[illegible]	5	16	171	152	323
II.—	Constitutional Diseases	[illegible]	[illegible]	5	64	197	165	362
III.—	Local Diseases	[illegible]	[illegible]	28	141	[illegible]	[illegible]	[illegible]
IV.—	Developmental Diseases	[illegible]	[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]
V.—	Violent Deaths	[illegible]	[illegible]	[illegible]	4	56	17	73
VI.—	Other Diseases—not classed	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	14
	(Orders.)							
I.—	1. Miasmatic Diseases	[illegible]	[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]
	2. Enthetic	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Dietetic	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Parasitic	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
II.—	1. Diathetic	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Tubercular	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
III.—	1. Diseases of Nervous System	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. " Organs of Circulation	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. " Respiratory Organs	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. " Digestive Organs	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. " Urinary Organs	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6. " Organs of Generation	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	7. " Organs of Locomotion	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	8. " Integumentary System	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IV.—	1. Developmental Diseases of Children	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. " " Adults	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. " " Old People	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Diseases of Nutrition	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
V.—	1. Accident or Negligence	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Homicide	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Suicide	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Violent Deaths not classed	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
VI.—	1. Other Diseases not classed	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
I.—	Order 1.—Miasmatic.							
	1. Chicken Pox and Smallpox							
	2. Measles	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Scarlatina (Scarlet Fever)	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Diphtheria	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. Quinsy	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6. Membranous Croup	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
	7. Whooping Cough	11	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]
	8. Typhus Fever / Typhoid or Enteric Fever / Simple Continued Fever	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	9. Erysipelas	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	10. Puerperal Fever	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	11. Carbuncle	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	12. Influenza	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	13. Dysentery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	14. Diarrhoea (Bowel Complaint)	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]
	15. Cholera (Simple)							
	16. Ague							
	17. Remittent Fever							
	Other Zymotic Diseases							
	Order 2.—Enthetic.							
	1. Syphilis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Stricture of Urethra							
	3. Hydrophobia							
	4. Glanders							
II.—	Order 3.—Dietetic.							
	1. Privation							
	2. Inanition of Infancy / Want of Breast Milk	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Purpura and Scurvy / Rickets	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Alcoholism: Delirium Tremens / Intemperance	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. Ptomaine Poisoning	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 4.—Parasitic.							
	1. Thrush							
	2. Worms, &c.							
	Order 1.—Diathetic.							
	1. Gout							
	2. Dropsy / Anaemia	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Cancer	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Rheumatism	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. Mortification—Gangrene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6. Abscess or Tumour	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 2.—Tubercular.							
	1. Scrofula	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Tabes Mesenterica	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Phthisis (Consumption) / Haemoptysis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Hydrocephalus							
	5. Other Tubercular Diseases	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
III.—	Order 1.—Nervous System.							
	1. Cephalitis and Myelitis							
	2. Apoplexy	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Paralysis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Shock	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. Chorea							
	6. Epilepsy	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	7. Convulsions	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	8. Spinal Disease / Brain Disease (undistinguished)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	9. Cerebro Spinal Meningitis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	10. Neuritis							
	Order 2.—Organs of Circulation.							
	1. Pericarditis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Aneurism	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Angina Pectoris / Embolism and Thrombosis / Disease of Blood Vessels / Heart Disease (undistinguished)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Atheroma of Blood Vessels	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. Haemorrhage	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 3.—Respiratory Organs.							
	1. Laryngitis, Croup and Tonsilitis / Laryngismus Stridulus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Bronchitis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Pleurisy	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Pneumonia	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. Asthma	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6. Congestion of Lungs / Disease of Lungs (undistinguished)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	7. Asphyxia	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 4.—Digestive Organs.							
	1. Stomatitis / Pharyngitis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Gastritis / Enteritis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Peritonitis and Appendicitis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Ascites	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. Hernia (Rupture)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6. Obstruction of Bowels	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	7. Intussusception	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	8. Fistula							
	9. Haematemesis / Stomach Disease (undistinguished)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	10. Pancreas Disease, &c.							
	11. Hepatitis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	12. Dyspepsia	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	13. Colic (Lead or otherwise)							
	14. Liver Disease / Cirrhosis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	15. Spleen Disease							
	16. Disease of Intestines	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 5.—Urinary Organs.							
	1. Nephritis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Bright's Disease (Nephria)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Diabetes	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Stone (Calculus)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. Cystitis / Bladder Disease (unclassed)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6. Addison's Disease / Kidney Disease	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	7. Uraemia	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 6.—Organs of Generation.							
	1. Ovarian Dropsy							
	2. Uterus Disease, &c.	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 7.—Organs of Locomotion.							
	1. Arthritis (Synovitis)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Joint and Bone Disease	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 8.—Integumentary System.							
	1. Blood Poisoning	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Pyaemia and Septicaemia	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Ulcer	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Skin Disease, &c.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. Cellulitis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IV.—	Order 1.—Developmental.							
	1. Premature Birth	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Spina Bifida / Cleft Palate	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Other Malformations	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Teething	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. Pregnancy	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 2.—Diseases of Adults. Childbirth (see Puerperal Fever)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 3.—Diseases of Old People.							
	1. Old Age	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Premature Decay							
	Order 4.—Diseases of Nutrition.							
	1. Atrophy and Debility	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
V.—	Order 1.—(Accident or Negligence).							
	1. Fractures and Contusions—Crushes / Falls	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Wounds—Gun Shot / Cut, Stab							
	3. Wounds from Needle							
	4. Burns and Scalds	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. Poison	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6. Drowning	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	7. Suffocation	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	8. Otherwise	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 2.—(Homicide).							
	1. Manslaughter							
	2. Murder	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 3.—(Suicide).							
	1. Wounds—Cut, Stab	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2. Cut Throat	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	3. Poison	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4. Drowning	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	5. Strangulation (Hanging)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6. Not Stated	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Order 4. Other Violent Deaths not classed							
VI.	Other Diseases not classed	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
	Total	1129	[illegible]	42	[illegible]	[illegible]	[illegible]	2097

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the Year ending December 31st, 1911.

BIRKENHEAD SUB-REGISTRATION DISTRICT

Class.	Cause of Death.	4th Qr.	Year	Total for the Boro.
I.—	Small pox			
	Chicken Pox			
	Measles	6	15	23
	Scarlatina (Scarlet Fever)	3	4	5
	Diphtheria	2	14	21
	Quinsy			
	Membranous Croup		3	4
	Whooping Cough		13	33
	Typhus Fever			
	Typhoid or Enteric Fever	1	1	8
	Simple Continued Fever		1	1
	Erysipelas			1
	Puerperal Fever		3	5
	Carbuncle			2
	Influenza		2	2
	Dysentery			1
	Diarrhoea	10	127	194
	Cholera			
	Ague			
	Remittent Fever			
	Mumps			1
	Other Zymotic Diseases			
	Syphilis		1	5
	Glanders			
	Anthrax			
II.—	Privation			
	Inanition of Infancy		6	10
	Purpura or Scurvy			3
	Rickets			3
	Alcoholism—Delirium Tremens	1	1	2
	Ptomaine Poisoning	2	3	3
	Thrush			
	Dropsy			
	Cancer	9	40	114
	Noma (Cancrum Oris)			
	Mortification		2	4
	Abscess or Tumour	1	7	18
	Rheumatism	1	3	5
	Tabes Mesenterica		4	3
	Phthisis (Consumption)	18	66	140
	Haemoptysis			1
	Hydrocephalus		2	10
	Anaemia			1
	Peripheral Neuritis			
	Other Tubercular Diseases	1	25	43
III.—	Cerebro-Spinal Meningitis			1
	Apoplexy	3	6	11
	Paralysis	1	27	41
	Chorea			1
	Epilepsy		2	9
	Convulsions	6	10	24
	Spinal Disease	1	2	7
	Brain Disease (undistinguished)	6	32	58
	Pericarditis	1	1	1
	Aneurism		3	6
	Angina Pectoris		3	2
	Embolism			
	Disease of Blood Vessel		1	3
	Heart Disease (undistinguished)	17	57	163
	Laryngitis and Tonsillitis	1	4	5
	Bronchitis	29	96	162
	Pleurisy	2	4	6
	Pneumonia	26	125	265
	Asthma	2	6	11
	Congestion of Lungs	2	6	10
	Disease of Lungs (undistinguished)	1	2	5
	Laryngismus Stridulus			2
	Stomatitis	1	4	6
	Pharyngitis	1	1	1
	Gastritis and Gastric Ulcer	1	10	20
	Enteritis	6	21	42
	Peritonitis and Appendicitis	1	4	11
	Ascites		1	2
	Hernia (Rupture)		1	3
	Obstruction of Bowels	1	3	8
	Intussusception		3	8
	Stricture of Intestines			1
	Fistula		2	2
	Haematemesis		1	1
	Stomach Diseases (undisting'hed)			1
	Pancreas Disease			
	Jaundice			
	Hepatitis		1	1
	Liver Disease			3
	Cirrhosis of Liver	1	6	16
	Spleen Disease			
	Dyspepsia			3
	Gout	2	1	4
	Cellulitis	2	2	2
	Asphyxia	2	5	7
	Atheroma of Bloodvessels	3	6	11
	Nephritis	5	16	30
	Bright's Disease (Nephria)		1	6
	Diabetes		4	12
	Stone (Calculus)		1	2
	Cystitis	2	4	4
	Bladder Disease		2	2
	Addison's Disease			1
	Kidney Disease			1
	Uterus Disease			1
	Arthritis (Synovitis)			1
	Joint and Bone Disease			1
	Blood Poisoning			2
	Pyaemia and Septicaemia		3	8
	Ulcer		1	6
	Skin Disease &c.		1	2
	Haemorrhage	2	3	7
	Disease of Intestines	2	3	4
	Uraemia			1
	Shock	1	1	1
IV.—	Premature Birth	4	29	53
	Spina Bifida			2
	Cleft Palate			1
	Teething	2	7	8
	Childbirth (see Puerperal Fever)			4
	Senile Decay	5	43	140
	Premature Decay			2
	Atrophy and Debility	11	34	75
	Pregnancy		1	1
	Other Malformations	5	14	22
V.—	Fractures and Contusions	4	16	33
	Wounds			
	Burns and Scalds	1	9	12
	Poison	1	1	2
	Drowning		6	8
	Suffocation	1	1	2
	Hanging			
	Other Violent Deaths			
	Accidents		1	2
	Suicide	1	8	14
	Murder	1	1	2
VI.—	Other Diseases	1	6	15
	Males	127	541	1121
	Females	103	504	986
	Total	230	1045	2107

NOTE.—The weeks end January 7th, 14th, 21st, &c., the last week in the year includes one day extra.

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the Year ending December 31st, 1911.

TRANMERE SUB-REGISTRATION DISTRICT

Class.	Cause of Death.	Weeks. 1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total for the Year.
I.—	Small pox					
	Chicken Pox		10			23
	Measles	6	4			1
	Scarlatina (Scarlet Fever)	1				5
	Diphtheria	1	1	9	2	7
	Quinsy					21
	Membranous Croup	1				1
	Whooping Cough	3	3	9	3	18
	Typhus Fever					20
	Typhoid or Enteric Fever					
	Simple Continued Fever					8
	Erysipelas				1	1
	Puerperal Fever				1	1
	Carbuncle					3
	Influenza				1	2
	Dysentery	1				2
	Diarrhœa		1	55	6	1
	Cholera		6	64	194	
	Ague					
	Remittent Fever					
	Mumps					
	Other Zymotic Diseases			1		1
	Syphilis		1		3	4
	Glanders					5
	Anthrax					
II.—	Privation					
	Inanition of Infancy	1		2	1	4
	Purpura or Scurvy					10
	Rickets			1		1
	Alcoholism—Delirium Tremens			1		3
	Ptomaine Poisoning					3
	Thrush				1	1
	Dropsy					2
	Cancer	18	17	11	13	59
	Noma (Cancrum Oris)					114
	Mortification	1		1		
	Abscess or Tumour	3	1	3		2
	Rheumatism		2		3	10
	Tabes Mesenterica					18
	Phthisis (Consumption)	1	2	1		2
	Hæmoptysis					5
	Hydrocephalus	12	12	10	11	50
	Anæmia					160
	Peripheral Neuritis	3				1
	Other Tubercular Diseases	4	1	5		10
III.—	Cerebro-Spinal Meningitis		1			1
	Apoplexy		1			1
	Paralysis	2	3	4	2	11
	Chorea					41
	Epilepsy	2	1			1
	Convulsions		1			3
	Spinal Disease			2		9
	Brain Disease (undistinguished)	13	1		1	4
	Pericarditis		1		1	8
	Aneurism	1	2	4	1	54
	Angina Pectoris			1		18
	Embolism			1		1
	Disease of Blood Vessel			1		6
	Heart Disease (undistinguished)	11	19	19		2
	Laryngitis and Tonsillitis	1	2			2
	Bronchitis	14	7	5	1	3
	Pleurisy	1				163
	Pneumonia	20	24	4	1	4
	Asthma	1				32
	Congestion of Lungs	2				1
	Disease of Lungs (undistinguished)	1				67
	Laryngismus Stridulus	1	2			265
	Stomatitis					5
	Pharyngitis					11
	Gastritis and Gastric Ulcer	1	2			10
	Enteritis	3	3	2	1	2
	Peritonitis and Appendicitis	1	3	10		20
	Ascites		1	2		42
	Hernia (Rupture)		1			11
	Obstruction of Bowels		1			7
	Intussusception		2			2
	Stricture of Intestines					2
	Fistula			1		3
	Hæmatemesis		1			5
	Stomach Diseases (undisting'hed)					8
	Pancreas Disease					3
	Jaundice					1
	Hepatitis					2
	Liver Disease	2	1			1
	Cirrhosis of Liver	1	1			1
	Spleen Disease		3			3
	Dyspepsia			1		8
	Croup	1				16
	Cellulitis					
	Asphyxia		3			3
	Atheroma of Blood-vessels	1				4
	Nephritis	1				2
	Bright's Disease (Nephria)	2	2		1	7
	Diabetes	2			1	11
	Stone (Calculus				1	20
	Cystitis					6
	Bladder Disease					8
	Addison's Disease					22
	Kidney Disease					2
	Uterus Disease					4
	Arthritis (Synovitis)	1				1
	Joint and Bone Disease	1				1
	Blood Poisoning					3
	Pyæmia and Septicæmia					1
	Ulcer	1				1
	Skin Disease &c.	1				2
	Hæmorrhage	1				8
	Disease of Intestines	1				2
	Uræmia					2
	Shock					7
IV.—	Premature Birth	2	6	3	1	4
	Spina Bifida	1				1
	Cleft Palate	1	1			1
	Teething					53
	Childbirth (see Puerperal Fever)	1				2
	Senile Decay	1				1
	Premature Decay	15	11	7	1	1
	Atrophy and Debility	1				8
	Pregnancy					4
	Other Malformations	3	1			2
V.—	Fractures and Contusions		1			1
	Wounds	4				3
	Burns and Scalds		1			22
	Poison	1				
	Drowning		1			3
	Suffocation					15
	Hanging					12
	Other Violent Deaths					1
	Accidents					2
	Suicide	1				8
	Murder	2				1
VI.—	Other Diseases		3			2
		2	2	1	1	9
			1			14
			1			1
			2			2
			1			9
Males		5 5 6 7 10 16 9 4 7 3 7 8 5 92	7 11 8 11 7 7 7 10 7 4 3 5 5 92	11 6 8 11 8 4 13 14 9 10 12 7 2 115	8 10 4 7 9 2 8 7 6 11 14 9 8 103	402 1121
Females		8 9 11 9 10 4 10 4 9 6 5 5 2 92	7 8 10 8 3 4 6 11 7 9 5 4 4 86	11 4 7 6 11 9 9 10 11 8 8 7 6 107	4 2 9 4 6 9 5 3 5 12 8 7 11 82	347 986
Total		13 14 17 16 20 20 19 8 16 9 12 13 7 184	14 19 18 19 10 11 13 21 14 13 8 9 9 178	22 10 15 17 19 13 22 24 20 18 20 14 8 222	12 12 13 11 15 11 13 16 11 23 19 16 19 185	749 2107

NOTE.—The weeks end January 7th, 14th, 21st, &c., the last week in the year includes one day extra.

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the Year ending December 31st, 1911.

UNION HOSPITAL.

Class	Cause of Death	4th Qr.	Year	Total for the Year (Borough)
I.—	Small pox	...	...	...
	Chicken Pox	...	...	...
	Measles	...	...	23
	Scarlatina (Scarlet Fever)	...	...	5
	Diphtheria	...	...	21
	Quinsy	...	...	...
	Membranous Croup	...	...	4
	Whooping Cough	...	...	33
	Typhus Fever	...	...	...
	Typhoid or Enteric Fever	...	7	8
	Simple Continued Fever	...	...	1
	Erysipelas	...	...	1
	Puerperal Fever	...	2	5
	Carbuncle	...	1	2
	Influenza	...	...	2
	Dysentery	...	...	1
	Diarrhoea	...	3	194
	Cholera	...	...	...
	Ague	...	...	...
	Remittent Fever	...	...	...
	Mumps	...	...	...
	Other Zymotic Diseases	...	1	1
	Syphilis	...	...	6
	Glanders	...	...	...
	Anthrax	...	...	...
II.—	Privation	...	...	...
	Inanition of Infancy	...	...	10
	Purpura and Scurvy	...	2	3
	Rickets	...	...	3
	Alcoholism—Delirium Tremens	...	...	2
	Ptomaine Poisoning	...	...	3
	Thrush	...	...	...
	Dropsy	...	...	...
	Cancer	4	15	114
	Noma (Cancrum Oris)	...	...	...
	Mortification	...	...	4
	Abscess or Tumour	...	1	18
	Rheumatism	...	...	5
	Tabes Mesenterica	...	1	7
	Phthisis (Consumption)	12	44	160
	Haemoptysis	...	...	...
	Hydrocephalus	...	1	1
	Anaemia	...	...	10
	Peripheral Neuritis	...	...	1
	Other Tubercular Diseases	...	2	43
III.—	Cerebro-Spinal Meningitis	...	...	1
	Apoplexy	...	...	11
	Paralysis	6	18	41
	Chorea	...	1	1
	Epilepsy	...	5	9
	Convulsions	1	1	14
	Spinal Disease	1	2	7
	Brain Disease (undistinguished)	3	12	98
	Pericarditis	...	...	1
	Aneurism	...	1	6
	Angina Pectoris	...	...	2
	Embolism	...	...	...
	Disease of Blood Vessel	...	...	3
	Heart Disease (undistinguished)	11	41	103
	Laryngitis	...	...	6
	Bronchitis	7	15	162
	Pleurisy	...	1	6
	Pneumonia	2	13	145
	Asthma	...	...	11
	Congestion of Lungs	...	1	10
	Disease of Lungs (undistinguished)	...	1	5
	Laryngismus Stridulus	...	...	2
	Stomatitis	...	...	6
	Pharyngitis	...	...	1
	Gastritis	1	3	20
	Enteritis	1	4	42
	Peritonitis and Appendicitis	...	...	11
	Ascites	...	...	4
	Hernia (Rupture)	...	...	3
	Obstruction of Bowels	...	...	8
	Intussusception	...	...	3
	Stricture of Intestines	...	...	...
	Fistula	...	...	1
	Haematemesis	...	...	2
	Stomach Diseases (undisting'hed)	...	1	1
	Pancreas Disease	...	...	1
	Jaundice	...	...	...
	Hepatitis	...	...	1
	Liver Disease	...	...	3
	Cirrhosis of Liver	...	2	16
	Spleen Disease	...	...	...
	Dyspepsia	...	...	3
	Croup	...	...	4
	Cellulitis	...	1	2
	Asphyxia	...	...	7
	Atheroma of Bloodvessels	...	...	11
	Nephritis	1	3	30
	Bright's Disease (Nephria)	1	1	8
	Diabetes	...	1	12
	Stone (Calculus)	...	...	2
	Cystitis	...	...	4
	Bladder Disease	...	...	2
	Addison's Disease	1	1	1
	Kidney Disease	...	...	3
	Uterus Disease	...	...	1
	Arthritis (Synovitis)	...	...	1
	Joint and Bone Disease	...	1	1
	Blood Poisoning	1	1	2
	Pyaemia and Septicaemia	1	2	8
	Ulcer	1	1	6
	Skin Disease &c.	...	...	2
	Haemorrhage	...	1	7
	Disease of Intestines	...	...	4
	Uraemia	...	...	1
	Shock	...	...	1
IV.—	Premature Birth	...	3	53
	Spina Bifida	...	...	2
	Cleft Palate	...	...	1
	Teething	...	...	8
	Childbirth (see Puerperal Fever)	1	3	4
	Senile Decay	11	49	140
	Premature Decay	2	2	2
	Atrophy and Debility	2	6	75
	Pregnancy	...	...	1
	Other Malformations	...	...	22
V.—	Fractures and Contusions	1	2	33
	Wounds (Gunshot, Cut, Stab)	...	...	...
	Burns and Scalds	...	...	22
	Poison	...	...	2
	Drowning	...	...	8
	Suffocation	...	...	2
	Hanging	...	...	...
	Other Violent Deaths (not classed)	...	...	...
	Accidents	...	...	2
	Suicide	...	2	14
	Murder	...	...	2
VI.—	Other Diseases	1	1	16

	Wk 1	2	3	4	5	6	7	8	9	10	11	12	13	1st Qr.	14	15	16	17	18	19	20	21	22	23	24	25	26	2nd Qr.	27	28	29	30	31	32	33	34	35	36	37	38	39	3rd Qr.	40	41	42	43	44	45	46	47	48	49	50	51	52	4th Qr.	Year	Total for the Year
Males	3	5	6	5	4	4	3	5	1	9	3	1	5	54	7	5	1	2	4	6	4	3	1	1	3	..	1	38	5	4	3	4	3	3	6	1	2	5	6	5	2	49	1	1	1	..	2	8	2	4	4	3	4	3	4	37	178	1121
Females	3	1	4	4	3	3	3	3	3	2	5	4	4	42	2	1	3	..	..	4	2	2	2	1	..	..	..	17	..	..	..	2	2	..	2	3	2	4	3	2	1	21	6	6	6	2	..	1	6	1	..	1	4	..	2	35	115	986
Total	6	6	10	9	7	7	6	8	4	11	8	5	9	96	9	6	4	2	4	10	6	5	3	2	3	..	1	55	5	4	3	6	5	3	8	4	4	9	9	7	3	70	7	7	7	2	2	9	8	5	4	4	8	3	6	72	293	2107

NOTE.—The weeks end January 7th, 14th, 21st, &c., the last week in the year includes one day extra.

TABLE III.—Weekly Condensed Register of Deaths for 1911.

	CAUSES OF DEATH.	Weeks. 1	2	3	4	5	6	7	8	9	10	11	12	13	1st Qr.	Weeks. 14	15	16	17	18	19	20	21	22	23	24	25	26	2nd Qr.	Weeks. 27	28	29	30	31	32	33	34	35	36	37	38	39	3rd Qr.	Weeks. 40	41	42	43	44	45	46	47	48	49	50	51	52	4th Qr.	YEAR
Borough of Birkenhead.	All Causes	32	46	47	46	53	55	48	34	42	38	41	30	35	547	41	51	45	42	31	41	30	43	26	33	33	25	22	463	38	24	44	39	51	40	63	61	46	58	56	56	34	610	48	40	35	20	32	30	43	31	39	42	47	33	47	487	2107
	Specified Causes	32	45	47	46	53	54	48	34	41	38	41	30	35	544	41	51	45	42	30	40	30	41	26	33	33	25	22	459	36	24	44	38	51	40	62	60	46	58	56	56	34	605	47	40	35	20	32	30	42	31	39	41	47	33	46	483	2091
	I.—Zymotic Diseases ...	2	3	3	2	4	2	5	2	5	3	..	3	..	34	1	4	3	5	4	2	..	2	..	6	3	1	2	33	4	2	10	13	15	16	23	28	21	24	18	13	12	199	7	3	4	..	5	1	2	1	4	1	5	1	4	38	304
	II.—Constitutional Diseases...	8	11	9	8	9	12	10	6	8	8	12	8	6	115	5	7	8	12	4	7	7	11	5	5	9	6	4	90	14	8	10	5	6	3	9	6	7	5	6	10	5	94	7	4	6	8	8	4	8	7	6	6	12	3	6	85	384
	III.—Local Diseases	17	26	27	30	29	34	28	21	17	19	24	12	21	305	23	31	23	21	16	28	20	15	13	15	14	9	14	242	14	6	17	11	22	15	17	16	9	21	17	22	11	198	25	26	21	9	13	21	23	16	20	27	24	22	28	275	1020
	IV.—Developmental Diseases	4	5	7	5	8	5	5	5	10	6	3	6	8	77	11	8	8	1	5	2	2	7	7	5	6	8	2	72	2	6	5	8	8	6	11	6	6	6	14	7	6	91	7	5	3	3	5	3	7	3	7	7	6	5	7	68	308
	V.—Violent Deaths	1	..	1	1	3	1	..	..	1	2	2	1	..	13	1	1	3	3	1	1	1	6	1	2	1	1	..	22	2	2	2	1	..	.	2	4	3	2	1	4	..	23	1	2	1	..	1	1	2	4	2	..	..	2	1	17	75
	VI.—Other Diseases—not classed	..	1	..	..		1	..	..	1	..	..	..	..	3	..	..	..	..	1	1	..	2	..	..	..	..	..	4	2	..	..	1	..	..	1	1	..	..	..	..	..	5	1	..	..	..	..	.	1	..	..	1	..	..	1	4	16
Cleveland, Grange and Argyle Wards.	All Causes	13	26	20	21	26	28	23	18	22	18	21	12	19	267	18	26	23	21	17	20	11	17	10	17	22	16	12	230	11	10	26	16	27	24	33	33	22	31	27	35	23	318	29	21	15	7	15	10	22	16	24	15	20	14	22	230	1045
	Specified Causes	13	26	20	21	26	28	23	18	21	18	21	12	19	266	18	26	23	21	17	19	11	16	10	17	22	16	12	228	10	10	26	16	27	24	32	33	22	31	27	35	23	316	28	21	15	7	15	10	22	16	24	15	20	14	22	229	1039
	I.—Zymotic Diseases ...	1	1	1	1	4	1	4	.	3	2	..	1	..	19	1	2	2	3	4	2	..	1	..	2	..	..	1	18	2	1	5	7	6	11	16	17	13	12	11	11	11	123	4	3	3	..	4	..	1	..	3	1	1	..	2	22	182
	II.—Constitutional Diseases..	3	7	3	3	2	6	3	3	4	1	5	..	2	42	1	4	5	6	2	3	1	4	1	4	6	3	1	41	1	4	7	1	3	1	6	3	3	1	3	5	3	41	7	2	1	2	4	1	6	1	2	1	4	1	3	35	159
	III.—Local Diseases	8	17	13	14	17	16	11	14	9	12	14	8	13	169	10	12	9	8	8	12	9	4	5	6	10	6	8	107	5	4	12	4	11	8	6	6	4	12	7	14	7	100	13	13	9	5	5	8	12	9	14	11	14	10	13	136	512
	IV.—Developmental Diseases	1	1	2	3	3	4	2	1	5	3	..	3	4	32	5	7	4	1	3	1	1	4	3	3	5	6	2	45	2	1	2	4	7	4	2	4	2	5	6	3	2	44	4	3	1	..	2	..	2	2	4	2	1	3	3	27	148
	V.—Violent Deaths	..	..	1	..	..	1	..	..	..	.	2	..	..	4	1	1	3	3	..	1	..	3	1	2	1	1	..	17	.	..	..	..		..	2	3	..	1	..	2	..	8	..	..	1	..	..	1	1	4	1	..	..	..	1	9	38
	VI.—Other Diseases—not classed	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	.	..	..	..	1	..	1	..	..	..	..	..	2	1	..	..	.	..	..	1	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	1	6
Claughton, Oxton, Egerton, Clifton and Mersey Wards.	All Causes	13	14	16	14	18	19	18	7	16	9	9	13	7	173	14	19	17	18	9	11	13	20	12	11	7	7	9	167	21	9	15	17	18	12	22	24	20	17	20	12	8	215	11	11	11	11	14	11	13	10	10	22	17	14	17	172	727
	Specified Causes	13	13	16	14	18	18	18	7	16	9	9	13	7	171	14	19	17	18	8	11	13	19	12	11	7	7	9	165	20	9	15	16	18	12	22	23	20	17	20	12	8	212	11	11	11	11	14	11	12	10	10	21	17	14	17	170	718
	I.—Zymotic Diseases	..	2	2	1	..	1	1	2	2	1	..	1	..	13	..	1	..	2	..	..	..	1	..	3	2	1	1	11	2	1	5	6	9	5	5	11	7	8	6	1	1	67	2	..	1	..	1	1	1	1	1	..	4	1	1	14	105
	II.—Constitutional Diseases...	3	3	5	2	4	5	5	1	3	3	3	7	2	46	3	3	3	5	1	2	4	4	3	1	3	3	3	38	9	3	2	3	3	1	2	2	4	2	1	4	2	38	..	2	1	6	4	2	2	3	2	3	5	1	1	32	154
	III.—Local Diseases	6	6	6	8	7	12	10	2	7	2	6	3	5	80	8	14	12	11	5	8	9	9	6	5	1	1	5	94	7	2	5	4	5	6	9	8	3	5	7	4	2	67	6	6	8	3	6	8	6	5	5	13	7	9	12	94	335
	IV.—Developmental Diseases	3	2	3	2	4	..	2	2	3	2	..	1	..	24	3	1	2	..	1	1	..	2	3	2	1	2	..	18	..	1	2	2	1	..	6	1	3	1	5	1	3	26	2	1	1	2	2	..	3	1	1	5	1	1	3	23	91
	V.—Violent Deaths	1	..	..	1	3	.	..	..	1	1	..	1	..	8	..	..	..	..	1	..	..	3	..	..	..	..	..	4	2	2	1	1	..	.	..	1	3	1	1	2	..	14	1	2	..	..	1	..	..	..	1	..	..	2	..	7	33
	VI.—Other Diseases—not classed	..	1	..	..	..	1	..	..	..	..	..	..	..	2	.	..	..	..	1	..	..	1	..	..	..	..	..	2	1	..	..	1	..	..	..	1	..	..	..	..	..	3	..	.	..	..	..	..	1	..	..	1	..	..	..	2	9
Bebington Ward.	All Causes	..	..	1	2	2	1	1	1	..	..	3	..	..	11	..	..	1	1	1	..	..	1	2	2	1	2	..	11	1	1	..	..	1	1	..	..	..	1	..	2	..	7	1	1	2	..	1	..	..	..	1	1	2	2	2	13	42
	Specified Causes	..	..	1	2	2	1	1	1	..	..	3	..	..	11	..	..	1	1	1	..	..	1	2	2	1	2	..	11	1	1	..	..	1	1	..	..	..	1	..	2	..	7	1	1	2	..	1	..	..	..	1	1	2	2	2	13	42
	I.—Zymotic Diseases... ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	2	3
	II.—Constitutional Diseases...	..	..	..	..	1	..	..	..	..	..	1	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	.	3	5
	III.—Local Diseases	..	..	1	2	1	1	1	1	..	.	2	..	..	9	..	..	1	1	1	..	..	1	1	2	1	2	..	10	1	..	..	..	1	..	..	..	..	..	..	1	..	3	..	1	1	..	1	..	..	..	.	1	.	1	1	6	28
	IV.—Developmental Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	1		3	..	..	..	..	..	..	..	..	..	..	1	1		2	6
	V.—Violent Deaths	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VI.—Other Diseases—not classed	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Union Hospital.	All Causes	6	6	10	9	7	7	6	8	4	11	8	5	9	96	9	6	4	2	4	10	6	5	2	3	3	..	1	55	5	4	3	6	5	3	8	4	4	9	9	7	3	70	7	7	7	2	2	9	8	5	4	4	8	3	6	72	293
	Specified Causes	6	6	10	9	7	7	6	8	4	11	8	5	9	96	9	6	4	2	4	10	6	5	2	3	3	..	1	55	5	4	3	6	5	3	8	4	4	9	9	7	3	70	7	7	7	2	2	9	8	5	4	4	8	3	5	71	292
	I.—Zymotic Diseases... ...	1	..	..	..	..	..	..	..	..	..	..	1	..	2	..	1	1	..	..	..	..	..	..	1	1	..	..	4	..	..	..	..	..	..	2	..	1	3	1	1	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14
	II.—Constitutional Diseases...	2	1	1	3	2	1	2	2	1	4	3	1	2	25	1	..	..	1	1	2	2	3	1	..	..	..	..	11	4	1	1	1	..	1	1	1	..	2	2	1	..	15	..	..	3	..	..	1	..	3	1	2	2	1	2	15	66
	III.—Local Diseases	3	3	7	6	4	5	3	4	1	5	2	1	3	47	5	5	1	1	2	8	2	1	1	2	2	..	1	31	1	..	..	3	5	1	2	2	2	4	3	3	2	28	6	6	3	1	1	5	5	2	1	2	3	2	2	39	145
	IV.—Developmental Diseases	..	2	2	..	1	1	1	2	2	1	3	2	4	21	3	..	2	..	1	..	1	1	..	..	..	..	..	8	..	3	1	2	..	1	3	1	1	..	3	2	1	18	1	1	1	1	1	3	2	..	2	..	3	..	1	16	63
	V.—Violent Deaths	..	..	..	..	..	..	..	..	.	1	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	1	4
	VI.—Other Diseases (not classed)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1

TABLE IV—Weekly Condensed Register of Meteorological Results for 1911.

		Weeks. 1	2	3	4	5	6	7	8	9	10	11	12	13	1st Qr.	14	15	16	17	18	19	20	21	22	23	24	25	26	2nd Qr.
Meteorological Results.	Percentage of time Wind blew from S., S.W., W., and N.W.	42·26	78·57	81·54	79·76	16·66	43·45	100·00	95·83	91·66	89·28	54·76	60·00	0·59	59·56	18·45	60·11	79·70	97·02	92·85	31·54	67·26	79·76	10·71	69·71	44·04	89·88	100·00	63·95
	Mean Hourly Horizontal Motion of the Air in Miles	16·5	18·7	10·2	16·1	10·5	10·2	23·1	33·2	28·8	16·2	21·1	20·6	15·4	18·5	14·3	14·6	22·3	24·1	15·5	10·9	7·5	11·3	13·2	10·9	13·5	18·0	23·8	15·3
	Average Percentage of Cloud to Clear Sky	61·4	71·4	78·5	82·8	54·2	84·2	75·7	74·2	65·7	77·1	88·5	75·7	57·1	72·8	70·0	60·0	74·2	82·8	68·5	54·2	70·0	42·8	20·0	24·2	44·2	80·0	84·2	59·6
	Rainfall in Inches	0·387	0·253	0·600	0·000	0·000	0·067	0·623	0·710	0·544	0·352	0·407	0·049	0·244	3·636	0·020	0·003	0·565	1·191	0·355	0·000	0·160	0·000	0·070	0·000	0·549	1·249	0·597	4·759
	Rainfall as to Hours	11·0	13·0	0·0	0·0	0·0	2·8	25·0	26·5	28·0	16·2	16·6	3·8	9·3	153·2	1·5	1·0	16·7	39·0	11·1	0·0	4·5	0·0	1·5	0·0	12·4	30·4	22·0	140·1
	Thermometer Means	38·44	40·44	39·08	44·97	35·14	36·95	45·02	44·54	46·58	42·02	39·77	41·05	44·48	41·42	39·05	45·60	50·64	49·11	50·10	57·54	53·71	57·51	65·58	59·72	56·01	57·54	54·67	53·59
	Mean of Evaporation	36·40	38·91	37·77	42·48	33·25	35·31	42·75	42·41	44·10	39·61	36·67	37·85	41·08	39·12	35·97	41·44	46·68	45·52	46·28	51·88	50·10	51·65	57·97	54·57	51·01	53·50	51·27	49·06
	Barometer Means, reduced to Sea Level and to 32° Fahrenheit	30·108	30·167	30·534	30·284	30·606	30·435	30·144	29·558	29·933	30·001	29.711	30·015	29·947	30·111	30·274	30·288	29·788	29·629	29·862	29·960	29·944	30·013	30·111	30·255	29·970	29·689	29·893	29·973

		Weeks. 27	28	29	30	31	32	33	34	35	36	37	38	39	3rd Qr.	Weeks. 40	41	42	43	44	45	46	47	48	49	50	51	52	4th Qr.	YEAR.
Meteorological Results.	Percentage of time Wind blew from S., S.W., W., and N.W.	97·61	49·40	93·45	58·92	65·17	51·76	36·90	46·42	95·83	60·11	47·02	71·42	86·30	66·43	20·83	13·09	6·54	59·52	89·88	61·90	66·07	32·14	25·59	72·02	38·69	52·38	76·19	47·29	59·30
	Mean Hourly Horizontal Motion of the Air in Miles	11·1	9·5	17·1	9·9	12·4	15·1	11·5	10·5	13·0	10·6	11·9	13·0	19·9	12·7	12·5	10·1	14·9	15·5	25·8	23·4	18·0	18·1	13·7	18·2	21·1	18·0	16·9	17·4	15·9
	Average Percentage of Cloud to Clear Sky	37·1	20·0	71·4	47·1	58·5	24·2	37·1	74·2	61·4	42·8	61·4	87·1	68·5	53·1	64·2	35·7	78·5	81·4	82·8	64·2	60·0	65·7	65·7	45·7	67·1	81·4	78·5	68·4	63·4
	Rainfall in Inches	0·008	0·000	0·141	0·164	1·720	0·317	0·000	0·716	0·463	0·206	1·516	1·235	2·142	8·628	0·231	0·000	0·261	1·609	1·036	0·602	0·496	0·261	0·292	0·677	0·652	1·157	0·901	8·235	25·258
	Rainfall as to Hours	0·8	0·0	7·6	5·3	12·2	4·2	0·0	15·2	15·3	6·2	19·6	25·2	30·6	142·2	5·3	0·0	9·8	30·7	27·3	14·7	18·7	8·1	12·8	30·1	25·8	22·0	30·9	226·5	672·0
	Thermometer Means	60·47	64·54	63·84	67·58	66·12	68·00	66·65	62·67	61·85	60·37	57·31	54·37	53·87	62·12	49·57	49·52	54·00	46·04	48·90	41·95	46·44	40·02	42·84	40·68	43·20	43·47	44·21	45·58	50·67
	Mean of Evaporation	56·25	57·31	55·55	60·35	59·81	61·35	60·14	58·54	56·80	55·14	52·12	51·07	50·75	56·70	46·65	46·64	51·95	44·18	46·05	39·98	43·88	37·02	41·17	38·40	41·51	43·35	42·68	43·32	47·05
	Barometer Means, reduced to Sea Level and to 32° Fahrenheit	30·291	30·465	29·999	29·966	29·903	30·066	30·093	29·764	30·010	30·172	30·115	29·829	30·012	30·052	30·081	30·235	29·974	29·314	29·817	29·539	29·418	29·654	30·011	29·604	29·337	29·571	29·737	29·715	29·962

The Meteorological Results are for the 52 weeks ending December 30th, 1911.

Mean reading of the Barometer for 40 years reduced to sea level and to 32° Fahrenheit=29·922-in.

TABLE V.

STREET REGISTER OF DEATHS.

Streets.	Total from all Causes.	From Zymotic Diseases only.
Abbey street	2	
Abbey terrace	2	
Abbot street	5	
Aberdeen street.. ..		
Ackworth place.. ..		
Acton road	2	
Adelaide road		
Adelphi street	4	
Albany Road		
Albert place	4	
Albert road	1	
Albert street		
Albert terrace		
Albion street	7	
Allcot avenue	1	
Alderley avenue ..	1	
Alexandra drive ..		
Alexandra road	1	
Alfred road	2	
Alison street	1	
Allerton grove ..	1	
Allerton road	3	
Alma street		
Alpha drive		
Alton road		
Alvanley place		
Alverstone avenue ..	1	
Amery grove		
Anglesea terrace ..		
Apple grove	1	
Argyle street	3	
Argyle street south ..	5	2
Arno road		
Arnside road	1	1
Arrow place		
Arthur street	5	2
Ash road		
Ashburton road.. ..		
Ashford road		
Ashley street	2	
Ashville road	1	
Aspendale road	8	2
Aspinall street	6	1
Asquith Avenue ..	1	
Astonwood road ..		
Atherton street	1	
Athol street	1	

Streets.	Total from all Causes.	From Zymotic Diseases only.
Athol terrace		
Austin street		
Back Arthur street ..		
Back Beckwith terrace	1	
Back Camden street ..		
Back George street ..	1	
Back Havelock street ..		
Back Livingstone street		
Back Myrtle street ..		
Back Oliver street ..	2	1
Back Oxton road ..		
Back Pilgrim street ..		
Back Price street ..	1	
Back St. Anne street ..	11	2
Back Salisbury street ..		
Balfour road		
Balls road	1	
Balls road east	4	1
Bankville road	4	
Banning street ..	2	1
Barnard road	1	
Barnston street.. ..	1	
Barton street	1	
Baytree road	2	
Beaconsfield road ..	3	1
Beaufort road		
Bebington road.. ..	4	
Beckwith street.. ..	30	1
Bedford place	9	3
Bedford road	9	1
Bedford street		
Beech road		
Beech view (Sydney terr		
Belgrave terrace ..		
Belmont		
Belmont grove		
Bennetts hill		
Bentinck place	1	1
Bentinck street	7	1
Bentinck terrace ..		
Bentley road		
Beresford road	2	
Berner street ..		
Berry street	4	
Bertha street	3	3
Bessborough road ..		
Bidston avenue.. ..		

TABLE V.—*Continued.*

Streets.	Total from all Causes.	From Zymotic Diseases only	Streets.	Total from all Causes.	From Zymotic Diseases only.
Bidston road	3		Caroline place		
Birch road	2		Carrington street ..		
Birkenhead park ..			Castle street		
Blackpool street ..	1	1	Cathcart street	8	2
Blandford street ..			Catherine street ..		
Blucher street	2		Cavendish drive ..	1	
Bold street	4	3	Cavendish road.. ..	1	
Booth street	3	1	Cavendish street ..	2	
Borough road	22	1	Cearns road	2	
Boundary road			Cedar street	2	
Braid Street	1		Challis street		
Brancote road	1		Chamberlain street ..	1	
Brandon cottages ..			Chapel place (B'head)..		
Brandon street			Chapel place (Tranmere)		
Brassey street	10	1	Chapel square		
Brattan road			Chapel street	1	
Bray street	2		Charlecombe street ..	2	
Briardale road	4		Charles street	1	
Bridge street	8		Charlesville	1	
Bridge End terrace ..			Charing cross		
Bright street	3	1	Chatham road	7	3
Brill street	1		Chatsworth road ..		
Brimstage street ..			Chesnut grove		
Brook place	3	1	Chester street	6	1
Brook square	1		Chetwynd road	2	
Brook street	48	10	Christchurch road ..		
Brookland road	1		Church place	1	
Broom Hill			Church road	10	
Brougham street ..	9		Church street	5	
Brunswick street ..	2		Church terrace.. ..	4	
Buckingham avenue ..			Churchill avenue ..	2	
Budworth road			Circular road	2	
Bulwer street	1		Clare street	1	
Burton street	2		Clarence road		
Buxton road	3		Clarendon street ..	7	
Caerwys grove	1		Claughton firs	4	
Caldy place	1	1	Claughton place ..		
Cambridge place ..	2	1	Claughton road.. ..	19	4
Camden street	2		Clayton street	2	
Campbell terrace ..	1		Cleveland avenue ..	2	1
Camperdown street ..	1		Cleveland street ..	15	1
Canning street	2		Clifford street	2	2
Cannon hill			Clifton crescent ..	1	
Canterbury road ..	1	1	Clifton road	4	
Cardigan street.. ..	3		Clive road		
Carlisle street	2	1	Clyde street	1	
Carlton mount			Clwyd street	1	1
Carlton road	1		Cobden place	1	
Carnforth street ..	1		Cobden street	2	1
Carnforth terrace ..	1		Coburg street		

TABLE V.—*Continued.*

Streets.	Total from all Causes.	From Zymotic Diseases only.
Cole street		
Collingwood street ..	5	1
Columbia road		
Colwyn street		
Combermere terrace ..	2	1
Comet street	4	1
Connaught street ..	4	
Connor's court		
Conway place		
Conway street	12	
Cook street		
Corfu street	1	
Corporation road ..	12	2
Cottage street	1	1
Coventry street.. ..	1	
Cranbourne avenue ..		
Craven place		
Craven street	11	2
Cressington avenue ..		
Crofton road	4	1
Cromwell street ..		
Cross street		
Crown street	1	1
Croxteth street	1	
Cumberland place ..	5	1
Curzon avenue		
Cyprus street	1	
Dacre street	4	
Dale street		
Davies street	2	1
Dee street	1	
Dell road		
Derby road	5	1
Derby street	3	
Derwent road	1	
Devonshire place ..	1	
Devonshire road ..	1	
Dial road		
Dingle road	2	
Dock quay		
Donegal street		
Doric street		
Douglas street		
Dover street	3	1
Downham road.. ..	6	
Duke street	5	
Duncan street	1	
Dundonald street ..		
Eagle court	1	
Earl street	4	1

Streets.	Total from all Causes.	From Zymotic Diseases only.
Eastbourne road ..	2	
Eastham street		
Eaton road		
Ebenezer street.. ..	4	1
Edgar street		
Egerton park	2	1
Egerton road		
Egerton street	9	1
Elderwood road ..		
Eldon place	2	1
Eldon road	1	
Eldon street	3	
Elfet street		
Elgin street	3	
Elizabeth place ..	3	3
Elm grove		
Elm road		
Elm street		
Elmswood road.. ..	8	2
Enfield terrace		
Erskine street		
Esplanade		
Etna street		
Euston grove	1	
Exmouth street ..	7	
Falcon road		
Fairclough lane ..	1	
Fairfax road		
Fairfield road	4	
Fairview road	3	
Falkland street.. ..	3	1
Farm road	2	
Fearnley road	1	
Field street	12	4
Flamank street	6	1
Flaybrick hill cemetery		
Flint street	3	
Florence street	2	2
Fore street	3	
Forest road	1	
Fountain street.. ..	2	
Fox street	10	1
Francis avenue.. ..	1	
Frederick street ..	1	
Freeman street		
Frodsham street ..	7	
Garfield place		
Garner's place		
Garnet street	3	2
George street	9	4

TABLE V.—*Continued.*

Streets.	Total from all Causes.	From Zymotic Diseases only.	Streets.	Total from all Causes.	From Zymotic Diseases only.
Gerald road			Harriet street		
German ter. (Price st.)			Harrowby road	11	2
Gertrude street.. ..			Harrowby road south ..		
Getley street	1		Hatherley street ..	1	
Gladstone road	1		Havelock street.. ..	1	
Gladstone street ..	3		Hawarden avenue ..		
Glasgow street			Hawthorne road ..		
Glenmore road			Haymarket		
Glover street	2		Hazel road	1	
Gomer street	2	1	Heath bank road ..	2	
Gordon street	1		Heather brow	2	
Gore street			Heathfield road ..		
Gorsefield road.. ..			Heath terrace (Bennett's hill)		
Gothic street	2		Helmingham road ..	1	
Grace street	2		Hemingford street ..	1	
Grace terrace			Hemingford terrace ..		
Grafton street			Henry street	5	3
Grange mount	1		Henthorne street ..		
Grange place	1	1	Herbert place	2	1
Grange road	5		Highfield crescent ..	1	
Grange road west ..	3		Highfield grove.. ..	2	
Grange street			Highfield grove north ..	2	
Grasville road	4		Highfield grove south ..	1	1
Green lane	2		Highfield road	3	
Green lawn			Highfield south.. ..	2	
Greenbank road ..	1		Highgreen road ..		
Greenfield street ..			Hilbre street	3	2
Greenway road	5	2	Hillside road	2	1
Grenville road	2		Hill road .. .		
Grosvenor place ..	1		Hilton street	5	
Grosvenor road.. ..	5		Hind street	1	1
Grosvenor street ..	5	1	Hinderton road.. ..	2	
Grosvenor terrace ..			Hinson street		
Grove mount			Holborn hill		
Grove road	5		Holborn square ..	1	
Haddon road	2		Holly bank road .	1	
Halcyon road	2	1	Holm lane	1	
Haldane avenue ..	2		Holt hill..	2	1
Halkin street			Holt hill terrace ..		
Hamilton lane			Holt road	4	
Hamilton square ..	4		Holt terrace		
Hamilton street ..	2		Hope street	5	1
Hamilton view			Hope terrace		
Hampden grove ..			Horatio street		
Hampden road ..	1		Hornby street	1	
Hampton street ..	2		Houldin's place ..		
Harcourt street.. ..	2		Howard street		
Harland road	2		Howbeck road	1	
Harper's court			Howe street	5	2
Hartington avenue ..	1				

TABLE V.—*Continued.*

Streets.	Total from all Causes.	From Zymotic Diseases only.	Streets.	Total from all Causes.	From Zymotic Diseases only.
Howson street	4	2	Lingdale road north ..		
Hoylake road			Linwood road	6	2
Hughes' buildings ..	2		Liversidge road ..	2	
Hughes lane	1		Livingstone road ..	6	2
Huskisson street ..	2	1	Livingstone street ..	16	2
Ingestre road	2		Lloyd avenue	2	
Ivy bank	1		Lord street	7	2
Ivy court ..			Lorn street		
Ivy street	4	1	Lorne road	2	
Ivydale road	1		Lowe street		
Jackson street	10	2	Lower Ivy street ..		
James street	2		Lower George street ..		
Jessamine road ..	1	1	Lowther street	4	1
John street			Lowwood grove.. ..	2	
Keightley street ..	4	1	Lowwood road	1	
Kellett's place	1	1	Lunar street	4	1
Kelvin road			Lydia terrrace	1	
Kendal street	1		Lynas street ..	2	
Kent place	2	1	Maddock street		
Kent street			Mallaby street	1	
Kimberley street ..			Malta street		
King street	1		Manor hill		
King's mount	1		Maple street	2	
Kingsdown street ..			Marcus street		
Kingsland road.. ..			Marion grove		
Kingsley street	5		Marion street	3	
Kingsmead road north..			Market		
Kingsmead road south	1		Market place south ..	1	
Kipling avenue	1		Market street	12	5
Kinmel street	1		Marlborough grove ..	1	
Kirkland avenue ..	2		Marquis street		
Knowles street	2	1	Marsden villas		
Knowsley road	1		Marshall place		
Knox street			Marshall street		
Kylemore road			Mason's court		
Laird street	8	1	Mason street	3	2
Lansdowne road ..	5	1	Massey street	2	1
Larch road	5		Mather road	1	
Laurel road			Maybank road	5	1
Laxey terrace			Meadow lane	3	
Lea street			Meadow place		
Lees' avenue	3		Meadow street	3	
Leicester street ..	5	1	Medway road	1	
Leicester terrace ..			Mellor road	1	
Leighton road	1		Menai street	2	
Leinster street	3		Mere farm road ..		
Leta street	4	1	Mersey lane south ..	1	
Lever terrace			Mersey mount		
Lilly street	1		Mersey road	3	
Lingdale road	4	1	Merton place	1	

TABLE V.—*Continued.*

Streets.	Total from all Causes.	From Zymotic Diseases only.	Streets.	Total from all Causes	From Zymotic Diseases only.
Meteor street	1		Oakdene road	1	1
Methuen street			Oakfield view	4	1
Midland street	3		Oak tree cottages ..		
Mill street	7	2	Oak tree place	2	2
Miller's place	4	1	Oak tree terrace ..	2	1
Millbank cottages ..			Old Bidston road ..	4	
Milner street	2		Old Chester road ..	24	2
Milton road	3	1	Old Priory	3	
Milton street	4		Olive crescent		
Miriam place			Olive mount	1	
Mollington street ..	1	1	Oliver lane		
Mona street	2		Oliver place	6	1
Monk street	3	1	Oliver street	24	3
Moon street	6	2	Orchard road	2	
Moorland road	2	1	Oriel road	3	
Moreton street	2	1	Osborne road		
Morecroft road	1		Osmond street	3	
Morley avenue			Oxton road	4	1
Mornington street ..	4	1	Palm grove		
Morpeth buildings ..	6	2	Palm hill		
Mortimer street.. ..	1		Palmerston street ..		
Mossley road	5		Parkfield avenue ..	22	1
Moss grove			Parkfield place	3	1
Moss lane			Parkside road	4	1
Mounsey road	1		Park grove		
Mount grove			Park road	8	2
Mount Pleasant ..	2		Park road east	7	
Mount road			Park road north ..	9	2
Mount street	1		Park road south ..	5	
Mulberry road	2		Park road west.. ..	1	
Munster street	2	1	Park street	9	1
Myrtle court	1		Parkton grove	1	
Myrtle place	1		Parr's lane		
Myrtle street	2		Paterson street.. ..	2	
Napier street	1	1	Patten street	3	
Nelson place	1		Payson street	8	
Nelson road	1	1	Pearson road	2	1
Nelson street	1		Peel street	12	4
Neptune street	1		Pensby street	2	
Neston street			Penrith street	2	1
Newburn's lane ..			Percy place	1	
New Chester road ..	16	4	Pilgrim street	3	1
New Ferry pier.. ..			Pitt street	5	
Newling street	4		Planet street	1	
Newton street	1		Pleasant street	1	
Norman street	1	1	Plumer street	1	
Normanston road ..	1		Plymouth place . ..		
North road	2		Poplar grove		
Oak bank			Poplar road	3	
Oak street	7	1	Portland street ..	4	

TABLE V.— *Continued.*

Streets.	Total from all Causes.	From Zymotic Diseases only.
Powell street	2	1
Prenton road east ..	2	
Prenton road west ..	4	
Price's lane	2	
Price street	30	8
Prince Edward street ..	1	
Princes place	2	
Price's place		
Princes street	1	
Princes terr. (Grange rd)		
Princess terr. (Balls rd.)		
Priory court	1	
Priory street	4	2
Prospect place		
Pym street	1	
Quarry bank	1	
Quarry bank place ..	4	1
Quarry bank street ..		
Queen's buildings (A to K)	17	1
Queen's Buildings (Tran)	2	1
Queen's place	4	2
Queen's road	1	
Queen's street	2	
Queensbury street ..	3	
Quigley street	1	
Radnor place		
Raffles road	6	1
Railway road	4	
Randle street	2	
Rathmore road		
Ravenscroft road ..		
Ravenswood avenue ..	1	
Rawcliffe road		
Redmond street ..		
Reedville		
Rhoden's place .. .		
Rhyl street	2	2
Richmond cottages ..	1	
Richmond terrace ..		
Ridley street		
Rimmer's court.. ..		
Ripon street		
Roberts street	1	
Rochester road	1	
Rock Ferry pier ..		
Rock lane east	2	
Rock lane west	4	
Rock park	3	
Rockville street.. ..	2	1
Rocky bank road ..		

Streets	Total from all Causes.	From Zymotic Diseases only.
Rodney street	12	3
Roe street		
Romilly street		
Rose brae	1	
Rose cottages		
Rose mount	2	1
Rose place	1	
Rose street .. .	1	
Rosebery grove	1	
Rosedale road	2	
Roslin road	1	
Roslyn street	1	
Ross terrace		
Rowland street	4	1
Roxburgh avenue ..	2	
Rundle street	1	
Ruston's court .. .		
Ruskin avenue		
Russell cottages .		
Russell place	3	1
Russell road	8	1
Russell street .. .	4	1
St. Andrew's road ..		
St. Anne's grove ..	2	
St. Anne street.. ..	29	8
St. Anne's terrace ..		
St. George's avenue ..	2	
St. John street		
St. Mary's street .		
St. Mary's avenue .		
St. Mary's gate.. .	5	
St. Paul's place.. ..		
St. Paul's road	2	1
St. Paul's villas ..		
St. Peter's road ..	1	
Salem view (Storeton rd.)	1	
Salisbury street.. ..	7	
Samuel street .. .		
Sandford street.. ..	1	
Saxon street	3	2
School place .. .	5	1
Scott's court		
Scott's place .. .	1	1
Sea bank cottages .	2	
Sea bank road		
Seaton road		
Sefton road		
Seymour street.. ..	3	
Shakespeare avenue ..	1	
Shaw street	2	

TABLE V.—*Continued.*

Streets.	Total from all Causes.	From Zymotic Diseases only.	Streets.	Total from all Causes.	From Zymotic Diseases only.
Shaw's place			Thomas court	1	
Shaw's terrace	1		Thomas street	14	3
Shore road			Thompson street ..	2	
Shotwick street.. ..			Thornton Street ..	2	
Shrewsbury road ..	3		Tollemache road ..	1	
Shrewsbury road north	1		Tower hill		
Sidney buildings ..	1		Tower road	5	1
Sidney road	1		Town road		
Sidney street			Trinity street		
Sidney terrace			Tudor road	1	
Silverdale road	2		Tunnel road	1	
Simpson street	2		Turner street		
Singleton avenue ..	2		Tuscan street		
Slatey road	3		Tyrer street		
Somerville street ..	6	1	Union street	3	1
South bank			Upper Beckwith street..	1	
South hill grove ..	1		Upper Brassey street ..	3	
South hill road			Upton road	4	
South Reserve			Vardon street		
South road	1		Vernon place		
Southdale road.. ..	1		Vicar's court		
Southwick road ..	1		Victoria drive	1	
Spring street	1	1	Victoria mount.. ..	1	
Spring villas			Victoria road	5	
Stafford street	1	1	Village road		
Standard place			Village terrace	1	
Stanley court	1		Vincent street	3	
Stanley place			Vine street	9	3
Stanley road			Vittoria street	11	1
Stanley street	3	2	Vittoria dock and wharf		
Stanway place	1		Vulcan street ..	4	1
Star street	1		Walker place	2	1
Station road			Walker street	1	
Stewart's place.. ..	2		Walton street	1	
Stewart street	1		Waring avenue		
Stoke street	2		Warrington street ..	2	
Storeton road			Warwick street	8	1
Stuart road	1	1	Water street	1	
Sun street .. .	4		Waterford road.. ..		
Sussex street	2	1	Waterloo court		
Swan's court			Waterloo place	3	
Swan's place	1		Watson street	2	
Sycamore road	1		Waverley grove.. ..		
Talbot road	1		Well lane	2	
Tatton road			Wellesley street ..	1	
Taylor street	3		Wellington road ..		
Temple road	1		Wellington terrace ..	1	
Templemore road	1		Wesley street	2	
Tennyson Avenue ..			Wesley terrace		
Tetbury street			West view	2	1

TABLE V.— *Continued.*

Streets.	Total from all Causes.	From Zymotic Diseases only.	Streets.	Total from all Causes.	From Zymotic Diseases only.
West bank road ..			Wilton road	2	
Westbourne road ..	8	2	Wilton street	1	1
Westbury street ..	1		Windsor place		
Westminster road ..	1		Windsor street	3	
Wexford road			Wirral street	1	1
Whalley road			Woburn place	1	1
Whetstone lane ..	5	2	Wood street	4	1
Whetstone view ..	1	1	Woodchurch lane ..	2	
White street	4	2	Woodchurch road ..	8	
Whitfield place.. ..			Woodland avenue ..		
Whitfield street ..	6	2	Woodland grove ..		
Whitford road	4		Woodland road.. ..	1	
Wilbraham street ..			Woodland terrace ..		
Wilkinson street ..	1		Woodlands	3	
Wilks court			Woodside	1	
Willan street			Woodside lairages ..		
Willaston place.. ..	3	1	Woodville road.. ..	2	
William street	9	1	Wordsworth avenue ..	2	1
Williams cottages ..	2		Wycliffe street	6	1
Willmer road	3	1	Wycherley road ..	4	1
Willowbank road ..	6		Wye street	1	
Willow street			Yelverton road		
Willy street			York place (Oxton road)		
Wilson street	2		Zetland road	1	

SUPPLEMENT TO TABLE V.

RETURN OF DEATHS in Birkenhead Union Hospital and Workhouse during 1911.

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.	
Jan. 3	F	64	Plater's widow ..	Cancer of uterus ..	28-6-10	16 Jackson street
3	F	58	Joiner's widow ..	Pneumonia ..	2-1-11	26 Wilkinson st
4	M	68	Joiner ..	Bronchitis ..	3-1-11	2 B'k Livingt'ne st
4	M	57	Dock labourer ..	Bronchitis ..	30-11-10	31 B'k St. Anne st
4	F	24	Laundress ..	Phthisis pulmonalis	29-9 10	17 Eldon place
6	M	35	Labourer ..	Enteric fever ..	2-1-11	16 Wilkinson st
8	M	87	Gardener ..	Old age ..	4-3-08	18 Apple grove
9	M	60	Labourer ..	Morbus cordis ..	29-12-10	39 White street
7	F	80	Coal agent's wid	Old age ..	24-12-10	46 Mill street
10	M	49	Ret'd circus clown	Basal meningitis ..	3-1-11	Grange road
11	M	72	Army pensioner..	Broncho-pneumonia	6-1-11	85 Dacre street
8	M	41	Labourer ..	Phthisis pulmonalis	2-1-11	214 Chester street
15	M	67	Dock labourer ..	Morbus cordis ..	21-5-10	7 Lr. Ivy street
12	F	68	Charwoman ..	Morbus cordis ..	4-1-11	20 Wilkinson st
13	M	74	Gardener ..	Morbus cordis ..	19-12-10	11 Bridge street
16	F	64	———	Senility ..	6-8-10	54 Henry street
16	F	60	No occupation ..	Cere. hæmorrhage	11-5-87	Birkenhead
17	M	68	Labourer ..	Morbus cordis ..	2-12-10	28 Church street
18	M	32	Labourer ..	Morbus cordis ..	18-1-11	9 Hope street
19	F	56	Labourer's wife..	Nephritis ..	6-1-11	49 Beckwith street
19	M	80	Painter ..	Old age ..	5-9-10	42 Grosvenor st
19	M	25	Labourer ..	Acute phthisis ..	2-1-11	63 Brougham st
20	F	80	Eng. driver's wid	Morbus cordis ..	28-10-10	Birkenhead
22	M	45	Night watchman	Phthisis pulmonalis	12-1-11	116 Church street
22	M	55	Labourer ..	Phthisis pulmonalis	14-1-11	14 Brook place
20	F	3	Traveller's daugh	Morbus cordis ..	28-10-10	Birkenhead
21	M	77	Army pensioner..	Cere. hæmorrhage	15-1-11	3 Wilson street
23	M	60	Labourer ..	Phthisis pulmonalis	26-3-10	11 Bridge street
24	F	64	Waterman's wife	Morbus cordis ..	23-1-11	27 Morpeth b'ldgs
25	M	48	Window cleaner.	Bronchitis ..	21-12-10	100 Church street
26	F	58	Labourer's widow	Morbus cordis ..	11-7-10	6 Davies street
31	F	40	Labourer's wife..	Morbus cordis ..	27-1-11	69 Somerville st
Feb. 1	M	59	Tinsmith ..	Morbus cordis ..	30-1-11	Birkenhead
1	F	10	Labourer's daugh	Phthisis pulmonalis	27-1-11	40 Penrith street
2	M	82	Labourer ..	Old age ..	25-1-11	134 Beckwith st
1	M	46	Advert. canvasser	Spinal meningitis..	21-11-10	9 Market street
1	M	54	General labourer	Phthisis pulmonalis	27-7-08	Church street
3	F	18	Labourer's daugh	Epilepsy ..	7-1-11	46 Clarendon st
5	M	70	General labourer	Bronchitis ..	23-7-09	40 Rochester road
4	F	27	Ship's firem'n's wf	Phthisis pulmonalis	26-11-10	53 Vulcan street
5	F	1 d'y	Ship's fireman's d	Prematurity ..	4-2-11	56 Church road
3	M	38	Clerk ..	Pneumonia ..	1-2-11	9 Market street
8	M	70	Shipwright ..	Bronchitis ..	31-7-07	4 Waterloo place
7	F	63	Painter's wife ..	Morbus cordis ..	15-6-09	1 Oaktree place

SUPPLEMENT TO TABLE V.—*Continued.*

Date	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted	
Feb. 10	M	53	Bl'ksm'th's striker	Bronchitis ..	8-2-11	22 Cathcart street
11	F	65	Boilermaker's wid	Morbus cordis ..	5-7-10	19 Queen's b'ldgs
12	M	30	Knocker up ..	Acute pneumonia ..	25-1-11	9 Willy street
12	M	82	Formerly a driver	Old age ..	13-9-07	2 Pym street
13	M	16	Rag gatherer's son	M'lig. tumour of neck	9-2-11	172 Chester street
15	F	11	Labourer's daugh	Acute phthisis .	15-2-11	30 Moon street
17	F	57	Boilermaker's wife	Nephritis ..	13-2-11	19 Livingstone st
19	M	71	Dock labourer ..	Old age ..	23-5-07	30 Queensbury st
21	M	61	General labourer	Morbus cordis .	11-4-04	28 Brook street
21	M	63	Dock labourer ..	Morbus cordis ..	27-3-08	8 Samuel street
19	M	50	Compositor ..	M'lig. gr'wth of neck	28-1-11	214 Chester street
22	F	57	Labourer's wife	Senility	4-3-10	57 Oaktree place
23	F	47	Labourer's wife..	Cirrhosis of liver ..	15-2-11	6 in 26 Foxstreet
24	F	58	Labourer's widow	C'rcinoma of rectum	22-2-11	11 Brook place
23	M	37	Carter ..	Morbus cordis ..	5-1-11	40 Neptune street
26	F	69	Joiner's wife ..	Senility ..	25-2-11	64 Priory street
26	F	69	W'reh'sem'n's wid	Carcinoma of vulva	6-2-11	41 Portland street
24	M	5 hrs	Labourer's son ..	Prematurity ..	24-2-11	56 Church road
Mar. 3	F	14	Labourer's daugh	Acute osteo-myelitis	11-2-11	37 Russell street
4	M	54	Dock labourer ..	Morbus cordis ..	17-11-10	11 Bridge street
3	M	46	Dock labourer ..	Phthisis pulmonalis	12-9-10	2 Ivy street
3	M	28	Coachman's son	P'lm'n'ry congestion	2-3-11	39 Bennett's hill
5	M	71	Wood sawyer ..	Cere. hæmorrhage	29-6-06	112 Craven street
7	M	15	Labourer's son ..	Phthisis pulmonalis	22-2-11	15 1 Queen's bdgs.
7	F	12	Bricklayer's dau	Phthisis pulmonalis	7-1-11	50 Payson street
7	M	73	Shipwright ..	Bronchitis ..	18-2-11	100 Church street
3	M	53	Engine fitter ..	Suicide—poison ..	2-3-11	15 Chapel street
7	M	63	Gardener ..	Bronchitis ..	18-2-11	122 Harrowby rd
9	F	64	Steward's widow	Senility ..	21-2-11	19 Mount grove
8	M	33	Labourer ..	Phthisis pulmonalis	3-1-11	126 St. Anne st
12	M	31	Copper ore worker	Phthisis pulmonalis	13-2-11	85 Old Bidston rd
9	F	73	Labourer's widow	M'lig. dis. of pancreas	8-3-11	3 Earl street
13	F	1 m	Window cl'ner's d	Marasmus ..	10-2-11	56 Church road
13	F	7m's	Ship fireman's d	Marasmus ..	16-2-11	114 Oliver street
13	F	84	Farm bailiff's wid	Senility ..	21-5-04	Birkenhead
15	M	66	River waterman	V'lvular dis. of heart	1-3-11	48 Livingstone st
15	F	39	Labourer's widow	Phthisis pulmonalis	20-1-11	6 Eldon place
15	M	55	Ship's fireman ..	Hemiplegia ..	8-8-98	56 Field street
18	F	21	Domestic servant	Paraplegia ..	18-6-99	7 B'k St. Anne st
21	F	66	Plasterer's wife ..	Senility ..	13-6-07	119 Price street
18	M	30	Bricklayer's lab..	Phthisis pulmonalis	11-3-11	22 Church street
20	F	72	Labourer's widow	Senility ..	23-8-10	8 St. Mary's gate
22	F	26	Labourer's wife..	Pu'rp'ral septicæmia	20-3-11	49 Cottage street
26	M	57	Ship's fireman ..	Phthisis ..	28-1-11	10 Aberdeen street
26	F	62	Iron driller's wife	Morbus cordis ..	13-3-11	13 Holt hill
28	F	29	W'r'h'se p'rt'r's wf	Eclampsia, &c. ..	20-3-11	148 Argyle st south
28	F	13	Labourer's daugh	Phthisis pulmonalis	27-3-11	8 Elizabeth place
25	M	75	General labourer	Senility ..	30-3-09	1 Stanley court
28	M	67	General labourer	Chronic bronchitis	12-1-09	4 Hughes' b'ldgs
28	M	2m's	Iron plater's son	Prematurity ..	22-1-11	14 Sussex street

SUPPLEMENT TO TABLE V—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.	
Mar 29	F	36	Carter's wife ..	Double pneumonia	23-3-11	18 St. Paul's road
30	M	70	Boiler rivetter ..	Senility ..	19-7-10	6 Mason street
31	M	29	General labourer	Phthisis ..	25-2-11	Birkenhead
April 2	M	71	General labourer	Hemiplegia ..	15-11-01	13 George street
4	M	69	General labourer	Morbus cordis ..	7-3-11	26 Seymour street
3	F	75	Woodsawyer's wid	Senility ..	24-6-09	2 Leighton road
5	M	4m's	Labourer's son ..	Marasmus ..	24-3-11	2 St. Mary's gate
7	M	64	Shoemaker ..	Chronic bronchitis	11-11-09	2 Waterloo place
6	F	78	Labourer's widow	Senility ..	1-7-10	102 Oliver street
7	M	16	House p'nter's son	Chorea ..	3-4-11	47 Church road
7	M	54	House painter ..	Hemiplegia ..	28-8 05	7 Market street
7	M	80	General labourer	Epilepsy ..	18-2-84	Birkenhead
8	M	46	General labourer	Enteric fever ..	6-4-11	Tranmere
10	M	52	Iron turning mach	Bronchiectasis ..	24-6 08	Birkenhead
11	F	57	Carter's widow ..	Cirrhosis of liver ..	20-3-11	20 St. Mary's av.
11	M	49	General labourer	Acute bronchitis ..	5-4-11	31 Huskisson st
13	M	60	Carter ..	Morbus cordis ..	9-2-11	41 Morpeth b'ldgs
15	M	65	General labourer	Bronchitis ..	9-3-11	2 Frederick street
15	F	15	Joiner's daughter	Enteric fever ..	5-4-11	1 Leighton road
19	F	83	Pavior's widow ..	Senility ..	11-11-09	170 Oliver street
20	F	33	Gardener's wife..	Eclampsia ..	19-4-11	18 Frederick street
23	M	60	Dock labourer ..	P'rpura h'm'rrh'gica	1-3-11	11 Bridge street
26	M	57	Sta enginefireman	Bronchitis ..	30-5-10	Birkenhead
27	M	55	Carter ..	Morbus cordis ..	19-10-10	29 Huskisson st
May 4	M	55	Boilermaker ..	Malig. dis. glands..	27-2-11	61 Vittoria street
5	M	66	Compositor ..	Morbus cordis ..	28-1-11	9 Clare street
5	M	85	J'rneyman tanner	Old age ..	3-5-11	4 Seabank cottages
6	M	23	Of no occupation	Ac. dbl. pneumonia	3-1-04	13 Derby street
8	M	40	Dock labourer ..	Ac. lobar pneumonia	5-5-11	40 Oak street
5	M	42	Ship's fireman ..	Epilepsy ..	5-5-11	6 Waterloo place
8	F	84	Form a dressm'k'r	Epilepsy ..	24-6-92	53 Queensbury st
8	M	21	Able seaman ..	Phthisis pulmonalis	7-3-11	38 Price street
11	M	49	Dock labourer ..	Phthisis pulmonalis	11-5-10	5 Edgar street
12	F	47	Labourer's wife..	Epilepsy ..	4-5-11	2 Orchard road
6	F	32	Navvy's wife ..	Cardiac failure ..	6-5-11	15 Leicester street
11	F	53	Labourer's wife..	Hemiplegia ..	1-5-11	26 Clarendon st
12	M	39	Chipper & calker	Pneumonia ..	11-5-11	34 Old Chester rd
14	M	78	Labourer ..	Senile decay ..	25-7-03	75 Market street
14	F	68	Baker's widow ..	Fract. of skull—fall	12-5-11	40 Derby street
17	M	68	Night watchman	Malignant liver ..	6-10-10	31 Hilbre street
17	F	69	Quarryman's wid	Hemiplegia ..	16-5-04	12 Taylor's b'ldgs
19	M	56	Bl'ksm'th's striker	Bronchitis ..	11-5-11	4 Beech view
19	M	57	House painter ..	Phthisis pulmonalis	18-5-11	29 Huskisson st
20	M	57	Carter ..	Aortic aneurism ..	19-5-11	31 Hind street
23	M	52	Dock labourer ..	Phthisis pulmonalis	25-11-10	37 Russell street
24	F	77	Draper's assist. wf	Senility ..	24-4-11	245 Church road
24	M	23	Railway porter ..	Pulmonary phthisis	24-6-10	11 Crofton road
26	F	43	Labourer's wife..	Phthisis pulmonalis	18-4-11	37 Planet street
26	F	33	Labourer's wife..	Puerperal fever ..	21-5-11	6 Spring street
29	M	8	Labourer's son ..	Bulbar paralysis ..	27-7-10	43 Banning street

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.	
May 30	F	27	Labourer's wife..	Phthisis pulmonalis	18-4-11	4 Thomas street
June 6	M	26	General labourer	Cardiac dilitation..	1-4 11	13 Gladstone st
6	F	62	Fr. polisher's wid	Morbus cordis ..	5-4 11	36 Mill street
9	M	51	Dock labourer ..	Urethral stricture..	5-7-10	102 Brook street
16	M	53	Carter ..	Pneumonia ..	12-6-11	92 Church street
17	M	2	Labourer's son ..	Pneumonia ..	9 6-11	30 White street
23	M	54	Ship's fireman ..	Acute gastritis ..	17-6-11	35 Oak street
27	M	1	Coalheaver's son	General tuberculosis	22-4-11	86 Brook street
29	M	45	Boiler scaler ..	Phthisis pulmonalis	24-5-11	17 St. Anne street
July 5	M	50	Dock labourer ..	Phthisis pulmonalis	17-7-08	461 Corporation rd
6	M	54	General labourer	Bronchitis ..	3-4-11	40 George street
4	M	54	Engineer ..	Phthisis pulmonalis	3-7-11	2 Ivy street
9	M	76	Dock Board clerk	Senile decay ..	5-8-99	10 School place
8	M	41	Bricklayer ..	Phthisis pulmonalis	20-6-11	28 Frederick st
12	M	78	Stoker ..	Senile decay ..	9-6-96	20 Livingstone st
13	M	68	Engine fitter ..	Senile decay ..	5-6-11	27 Banning street
15	M	49	Shipwright ..	Suicide—knife stab	14-7-11	21 Gothic street
17	M	75	Joiner ..	Senile decay ..	24-6-11	40 Sandford street
15	M	45	Bl'ksm'th's striker	Phthisis pulmonalis	5-7-11	14 Claughton firs
24	M	68	Freight clerk ..	Senility ..	14-12-10	3 Downham road
19	M	66	General labourer	Intestinal carcinoma	11-10-09	155 Bridge street
26	M	54	French cleaner ..	Cere. hæmorrhage	25-7-11	254 Claughton rd
27	M	38	Carter ..	Gen. paral. of insane	27-11-08	112 Market street
28	F	70	Boilermaker's wid	Hemiplegia ..	12-9 99	14 Elizabeth place
28	F	75	Carter's widow ..	Senility ..	16-7-10	20 Cathcart street
30	M	48	Boiler scaler ..	Acute gastritis ..	17-7-11	41 Payson street
Aug. 3	F	32	Labourer's wife..	Septicæmia ..	27-7-11	8 Cleveland aven
1	M	10 m	Dom servant's son	Gastro-enteritis ..	29-7-11	19 Garnet street
3	F	34	Spinster ..	Cellulitis face & neck	25-7-11	Birkenhead
2	M	42	House painter ..	Paraplegia ..	20-10-10	11 Parkside road
8	M	57	House painter ..	Chronic bronchitis	18-4-11	42a Derby road
6	M	11 m	Coalheaver's son	Tabes mesenterica	22-2-11	9 Gladstone street
12	M	62	Tinsmith ..	Senility ..	13-1-11	9 Combermere terr
12	M	75	General labourer	Senile decay ..	25-5-03	7 Market street
12	M	72	General labourer	Senile decay ..	11-10-05	51 Aspinall street
15	M	21 m	Labourer's son ..	Hydrocephalus ..	31-12-09	124 Park street
13	F	71	Coalheaver's wife	Senility ..	3-2-10	St. Paul's road
14	M	30	Ship rigger ..	Pancreatitis ..	12-8-11	41 Ivy street
16	F	66	Spinster ..	Hemiplegia ..	24-4-11	21 Sidney b'ldgs
17	M	59	Labourer .	Diarrhœa ..	14-8-11	23 Star street
16	M	69	Labourer ..	Diarrhœa ..	14-8-11	5 Alma street
18	F	57	Labourer's wife..	Broncho-pneumonia	14-8-11	2 Oliver place
21	M	38	Insurance agent	Diabetes ..	23-6-11	43 Warwick street
20	F	1 m	Servant's daugh	Marasmus ..	23-7-11	5 Shaw's place
22	F	3 m	Labourer's daugh	P'rpura h'm'rrh'gica	2-8-11	15 I Queen's bldgs
25	M	76	Storekeeper ..	Diarrhœa ..	25-8-11	58 Railway road
31	F	61	Storekeeper's wid	Acute plueritis ..	30-8-11	22 Lunar street
31	F	82	Storekeeper's wid	Senility ..	17-8-11	58 Railway road
29	M	72	General labourer	Chronic brouchitis	15-5-06	410 Beckwith st
Sept. 4	F	64	Labourer's wife..	Enteric fever ..	28-8-11	74 Thomas street

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age.	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.	
Sept. 2	F	3 ms	Servant's daugh	Gastro-enteritis ..	21-8-11	36 Berry street
3	M	57	Iron turner ..	Enteric fever ..	29-8-11	59 Abbey street
4	M	81	General labourer	Hæmorrhage bowel	15-10-05	81 Park street
5	M	55	Labourer ..	Epithelioma of jaw	30-6-11	145 Beckwith st
5	F	2 ms	Charwoman's dau	Gastro enteritis ..	28-6-11	5 Derby street
7	F	70	Labourer's widow	Morbus cordis ..	2-9-11	3 C Queen's bdgs
8	M	32	Cattle drover ..	Enteric fever ..	14-8-11	9 George street
J'ly 29	M	9 ms	—— son ..	Tub'rc'l'r meningitis	3-7-11	19 Camperdown st
Sept. 9	M	52	Cotton porter ..	Phthisis pulmonalis	10-4-11	5 Fairfield road
9	M	67	Marine engineer	Senility ..	15-7-11	134 Beckwith st
10	F	69	H'se painter's wid	Cere. hæmorrhage	9-9-11	29 Queensbury st
12	F	47	Baker's widow ..	Cere. degeneration	30-1-11	8 Egerton street
10	F	7 ms	Tailoress's daugh	Meningitis ..	7-7-11	72 Price street
13	M	62	General labourer	Senility ..	18-5-11	74 Thomas street
14	M	76	Boilermaker ..	Senility ..	12-9-11	62 Sidney street
14	M	46	Dock labourer ..	Enteric fever ..	13-9-11	53 Rosedale road
15	M	59	Boiler scaler ..	Malig.c'rvical glands	15-9-11	30 Vine street
18	M	57	Dock labourer ..	Chronic bronchitis	5-9-11	13 Eastham street
20	F	63	Labourer's wife..	Morbus cordis ..	11-9-11	33 Ebenezer street
16	M	62	General labourer	Senile debility ..	18-8-11	6 St. Mary's aven
17	M	63	Form mast.draper	Hemiplegia ..	28-7-06	50 Bridge street
21	M	75	Blksmith's striker	Carcinoma of lips &c	30-8-11	52 Payson street
21	M	59	General labourer	Carbuncle & enteric	6-9-11	22 Church street
21	F	70	Labourer's widow	Senility ..	9-9-11	Birkenhead
26	M	48	General labourer	Insanity ..	12-7-09	116 Cathcart st
27	F	78	Spinster ..	Senility ..	4-9-11	43 Highfield grove
26	M	60	Paint grinder ..	Valvular dis.of heart	14-9-11	4 Oliver place
30	F	75	Ry p'licem'n's wid	Chronic Bright s dis.	14-9-11	9 Apple grove
Oct. 2	F	42	House painter's wf	Mitral incompetence	29-8-11	16 Stafford street
3	M	67	Ship's winch driv'r	Hemiplegia ..	14-6-11	139 Cathcart st
2	F	2 ms	Crane driver's dau	Marasmus ..	9-9-11	42 Star street
5	F	30	Labourer's wife..	Eclampsia ..	4-10-11	16 H Queen's bdgs
5	F	68	Coach p'nt'r's wid	Hemiplegia ..	21-8-11	57 Hilton street
6	F	63	Spinster ..	Addison's disease ..	2-10-11	9 Halkin street
9	F	76	Gardener's wife..	Morbus cordis ..	9-9-11	13 Apple grove
5	F	31	Butcher's widow	Morbus cordis ..	27-9-11	21 Rose Mount
8	F	81	Flatman's widow	Senility ..	17-7-02	136 Brook street
12	F	48	Labourer's wife..	Hemiplegia ..	7-10-11	104 Church street
9	F	63	Spinster ..	Morbus cordis ..	30-11-05	47 Grange rd west
12	F	61	Watchman's wife	Morbus cordis ..	10-10-11	8 Carnforth terr
13	M	36	General labourer	Cere. degeneration	22-4-11	23 William street
14	F	48	Labourer's wife..	Morbus cordis ..	23-9-11	25 Eldon place
14	F	77	Mast.drys'lt'r's wd	Morbus cordis ..	10-11-08	34 Fountain street
17	F	76	Watchman's wife	Senile decay ..	21-7-05	11 Priory court
17	F	70	Painter's widow..	Bronchitis ..	30-4-11	36 Aspinall street
17	F	48	Labourer's wife ..	Phthisis pulmonalis	22-9-11	9 Payson street
18	M	56	Labourer ..	Carc. of lower jaw	19-5-11	198 Chester street
19	F	42	Labourer's wife ..	Phthisis pulmonalis	5-10-11	7 Roberts street
22	F	46	Labourer's wife..	Hemiplegia ..	17-10-11	16 Halkin street
21	F	71	Wood sawyer's wd	Senility ..	9-9-11	3 Dacre street

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.	
Oct. 29	M	56	Bricklayer ..	Pneumonia ..	25-10-11	57 Russell road
30	M	70	General labourer	Senile decay ..	23-8-10	51 Bentinck street
29	M	49	Labourer ..	Blood poisoning ..	13-10-11	26 Rodney street
Nov. 5	F	76	Sch'l teacher's wid	Senile decay ..	16-5-11	58 Holt road
6	M	55	Railway porter ..	Valvular dis. of heart	26-6-11	96 Oliver street
2	M	65	Iron driller ..	Senile decay ..	11-8-11	25 B'k St. Anne st
3	M	32	Labourer ..	Septicæmia ..	30-9-11	2 Waterloo place
6	M	4 ms	—— son ..	Marasmus ..	21-9-11	16 Massey street
9	M	58	B'l'rmkr'sh'ld'r up	Valvular dis. of heart	8-11-11	157 St. Anne st
5	M	60	Painter ..	Phthisis pulmonalis	4-11-11	361 Price street
8	M	63	Labourer ..	Cere. hæmorrhage	28-2-10	32 Grange road
12	F	80	Spinster ..	Senility ..	2-9-10	15 Cardigan street
13	F	71	Boot salesm'n wid	Bronchitis ..	3-11-11	6 Oliver place
13	F	19	Ship fireman's wif	Acute gastritis ..	7-11-11	38 White street
13	F	51	Chief officer's wid	Morbus cordis ..	17-11-10	61 Gladstone road
14	F	46	Boilerm'ker's wife	Premature decay ..	3-11-11	12 Wycliffe street
10	M	40	Seaman ..	Pneumonia ..	31-10-11	Victoria Wharf
10	M	63	Snipyard labourer	Injury, right sh'lder	3-10-11	14 Barnston street
16	F	73	Carter's widow ..	Valvular dis. of heart	6-11-07	18 Cambridge pl'ce
19	M	59	B'l'rmkr'sh'ld'r up	Phthisis pulmonalis	25-7-11	6 Erskine street
15	F	53	Cooper's widow..	Phthisis pulmonalis	24-2-10	26 Roslyn street
18	M	62	Out porter ..	Hemiplegia ..	2-12-10	24 in 12 Fox st
21	M	80	Night watchman	Chronic ulcers of leg	17-6-04	Havelock street
24	M	56	Hairdresser ..	Carcinoma of neck	7-9-11	63 Park road
25	M	54	Cab driver ..	Cere. hæmorrhage	24-11-11	10 Aberdeen street
26	M	53	Bl'ksmith's striker	Premature decay ..	13-10-11	11 Bridge street
29	M	75	Labourer ..	Senile decay ..	31-10-11	1 Wilson street
Dec. 1	M	42	Labourer ..	Phthisis pulmonalis	20-9-11	10 Chapel place
1	F	70	———	Enteritis ..	21-7-07	Birkenhead
3	M	52	Labourer ..	Phthisis pulmonalis	31.10.11	38 Carnforth st
5	M	75	Labourer .	Carcinoma of jaw,&c	19.7.08	100 Church street
8	M	56	Gardener ..	Hemiplegia ..	6.11.11	56 Willmer road
10	M	44	Coalheaver .	Chronic Nephritis..	27.11.11	68 St. Paul's road
9	M	25	Van driver ..	Phthisis pulmonalis	9.12.11	5 Banning street
9	F	28	Spinster ..	Phthisis pulmonalis	4.12.11	4 Marquis street
11	M	76	Blacksmith ..	Bronchitis ..	8.11.11	5 Princess terrace
15	F	19	Boiler scaler's wife	Puerperal eclampsia	13.12.11	7 Stanley court
14	F	69	Labourer's widow	Senile decay ..	1.2.05	18 Vine street
14	F	72	Spinster ..	Senile decay ..	17.5.11	Buxton road
15	M	53	Upholsterer ..	Bronchitis ..	9.12.11	10 Eldon place
16	M	19	Labourer .	Phthisis pulmonalis	25.10.11	35 Livingstone st
18	M	51	Bootmaker ..	Bronchitis ..	28.10.11	11 Gomer street
20	M	20	App. wood sawyer	Spinal caries ..	30.10.11	22 Yelverton road
22	M	38	Dock labourer ..	Bronchitis ..	2.11.11	114 St. Anne st
20	F	71	Labourer's widow	Carcinoma of larynx	11.4.00	8 Wilbraham terr
21	M	81	Iron planer ..	Senile decay ..	18.12.11	19 Fore street
25	M	68	Labourer ..	Otorrhoea m'ningitis	27.9.11	Tranmere
28	F	54	Sailmaker's wife	Phthisis pulmonalis	22.12.11	33 Duncan street
29	M	60	Labourer ..	Chronic bronchitis	29.9.11	2 Ivy street