

**[Report 1921] / Medical Officer of Health, Huddersfield County Borough.**

**Contributors**

Huddersfield (England). County Borough Council.

**Publication/Creation**

1921

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THE  
**ANNUAL REPORT**

TO THE  
URBAN SANITARY  
:: AUTHORITY ::

OF THE  
**COUNTY BOROUGH OF HUDDERSFIELD**

FOR THE YEAR

**1921,**

BY

**S. G. H. MOORE, M.D., D.P.H.**

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PRINTED BY ORDER OF  
THE HEALTH COMMITTEE

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HUDDERSFIELD:

ALFRED JUBB AND SON, LTD., ALBANY PRINTING WORKS.

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PUBLIC HEALTH DEPARTMENT,  
HUDDERSFIELD.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE  
OF THE COUNTY BOROUGH OF HUDDERSFIELD.

MR. CHAIRMAN AND GENTLEMEN,

In my Annual Report for the year 1920, I made reference to the unsatisfactory state of affairs in connection with the Census enumeration of the population of Huddersfield on the night of June 19th-20th, 1921. The number found was 110,120. The population **estimated** by the Registrar-General for the middle of the year 1920, by the ordinary method, was 112,301 for calculating death and mortality rates, and 116,984 for calculating birth rates. The Census returns for health resorts in the North of England were cited. For example :—Blackpool, Bridlington, St. Annes, and Morecambe showed increases of 64 per cent., 58 per cent., 52 per cent. and 58 per cent. respectively. The conditions which led to this sort of thing, and which are well known, were set forth, and the hope was expressed that the Registrar-General would make a proportional allocation of these incredible increases among industrial centres.

Something of this kind has been done, and the official population is now given by the Registrar-General at 111,900—an addition of 1,780 above the Census population, but substantially less than the population estimated as at the end of June in the preceding year.

Every person who is acquainted with local facts will recognise that this position is unreal. The intense demand for new houses, the long waiting lists, the amount and degree of overcrowding, the extension of pre-existing works—notably in the engineering trades—as well as the establishment of a large new industry, all corroborate this opinion.

While the convenience and general desirability of applying a uniform system to all localities in estimating populations may be recognised and acknowledged, yet on the other hand, the importance of a close approximation to the truth appears to call for an attempt to be made in that direction. From the point of view of the Health



Committee only one consideration need be taken into account. The value of endeavour to ameliorate the social condition of the people, to improve health, and to prevent mortality, can be most accurately gauged by a consideration of death and morbidity rates. These, of course, must be calculated on the population as estimated by the Registrar-General, and if this be erroneous to a substantial degree, the inferences will be correspondingly unreliable.

Many examples of the disadvantage inevitable when uniformity is insisted upon are available, but one may suffice. In an important city, during an Inter-Census period the population was over-estimated by upwards of 50,000 persons. Apparently the death-rate of the city was rapidly falling, and the Sanitary Authority was encouraged to persist in operations which involved an expenditure of one-and-a-third million pounds. As a matter of fact, no such increase of population had actually occurred, as shown by the succeeding Census, and a closer examination of the circumstances revealed the imperfection of the important work which had been carried on for so long.

This subject has been repeatedly referred to in former Annual Reports, but it is so important that I do not hesitate to direct your attention to it again.

It seems desirable that reference should be made to several matters of interest, but in pursuance of your instructions to keep this report reduced to the lowest limit, I refrain.

I am, Gentlemen,

Faithfully yours,

A handwritten signature in cursive script, reading "A. G. Moore". The signature is written in dark ink and is positioned above the printed name and title.

M.D., D.P.H.,  
Medical Officer of Health.

## ABSTRACT.

---

1. **Situation of the Borough.**—Latitude  $53^{\circ} 39' 7''$  N. ; Longitude  $1^{\circ} 47' 30''$  W.
2. **Elevation.**—Varies from 150 feet to 1200 feet above Sea Level.
3. **Area of the Borough.**—11,859 acres.
4. **Population.**—1911 Census, 107825 ; estimated by the Registrar General at middle of 1921, 116,776, for calculating death, mortality, and birth rates.
5. **Density of Population.**—For the Borough 9.8 persons per acre.
6. **Number of Inhabited Houses.**—28,602.
7. **Number of Families or Separate Occupiers.**—No data.
8. **Rateable Value.**—£862,297 15s. 0d.
9. **Sum represented by 1d. Rate.**—£2950.
10. **Marriages.**—Number during the year, 1037 ; rate per 1,000 of the population, 8.91.
11. **Births.**—
 

Males	...	...	1083	}	Total 2049.
Females	...	...	966		
Rate	...	...	17.60		
12. **Deaths.**—
 

Males	...	...	750	}	Total 1481.
Females	...	...	731		
Rate	...	...	12.72		

Annual rate of mortality, 12.72.

Mean rate during years 1912-1921, 14.75.

Total deaths from zymotic diseases, 40.

Annual rate of mortality do. 0.34.

Mean rate of mortality do. years 1912-1921, 0.59.

NOTE.—“ Rate ” = per 1,000 per annum. All rates are calculated on the Registrar General's figure.

**NATURAL AND SOCIAL CONDITION OF THE DISTRICT.**

Population Census, 1911	...	...	...	...	107,825
Estimated 1921 Registrar General's figure	...	...	...	...	116,776

Physical Features and General Character of the District, see Annual Report, 1914.

Chief Occupation of Inhabitants—Woollen Manufacturing, Engineering and Synthetic Dyes.

Poor Law Relief—Superintended entirely by the Guardians.

**SANITARY ACCOMMODATION IN HUDDERSFIELD.**

	1912	1913	1914	1920	1921
Number of clean water closets, including trough closets ...	9,926	10,464	11,229	13,020*	13,481*
Number of waste water (slop) closets ...	208	208	206	201	200
Number of tub closets ...	15,100†	15,180†	15,100†	14,445†	14,257†
Number of tubs in use ...	15,755	15,671†	15,457†	14,911†	14,688†
Number of ashpits in use ...	8,000†	6,446†	5,786†	5,298†	4,505†
Number of ashbins in use ...	3,500†	6,911†	6,214†	9,749†	8,956†
Number of existing privy middens ...	300†	312†	244†	214†	194

\* These figures are estimates made by the Waterworks Manager and the Inspector of Nuisances.

† This information was supplied by the Scavenging Superintendent.

**Closet conversions during the period 1915-1921 carried out under Sanitary Notices.**

Privies with fixed receptacles converted to clean water closets	38
Privies with movable receptacles converted to clean water closets	626
Slop water closets converted to clean water closets	6

NOTE.—In every case where a sufficient sewer and water supply is available, all new closets erected must be on the water carriage system, and be flushed with clean water.



## REMOVAL OF NUISANCES.

Drains requiring Re-construction	...	...	...	...	24
„ „ connecting with main sewer	...	...	...	...	9
„ not efficiently trapped	...	...	...	...	8
„ requiring Ventilation Shafts	...	...	...	...	14
Defective Sink Pipes and Drains	...	...	...	...	103
„ Yard Drains...	...	...	...	...	111
„ Cellar Drains	...	...	...	...	13
„ Eave and Fall Pipes	...	...	...	...	49
„ Roofing	...	...	...	...	107
„ Urinals	...	...	...	...	1
„ Water Closets	...	...	...	...	60
„ Woodwork or Plaster round Sink...	...	...	...	...	43
„ Plaster of Walls	...	...	...	...	90
„ Floors	...	...	...	...	38
Waste Pipes requiring Disconnecting	...	...	...	...	114
Fall Pipes requiring Disconnecting	...	...	...	...	23
To provide Eave and Fall Pipes	...	...	...	...	5
„ Sinkstones in Houses	...	...	...	...	58
Nuisances from want of Drains	...	...	...	...	1
„ Water in Cellar	...	...	...	...	4
„ Cellar Wells	...	...	...	...	0
„ Cesspools	...	...	...	...	2
„ Street Gullies	...	...	...	...	12
„ Stagnant Water	...	...	...	...	1
„ Defective Surface of Yard	...	...	...	...	17
„ Smoke	...	...	...	...	13
„ Poultry, Pigeons, and Animals	...	...	...	...	12
Offensive Accumulations	...	...	...	...	11
„ Ashpits and Privies	...	...	...	...	4
Closets requiring Lime-washing	...	...	...	...	4
Ashpits requiring Re-construction	...	...	...	...	460
„ requiring proper doors and covering	...	...	...	...	40
Closets „ „ „	...	...	...	...	6
Old Privies requiring alteration to tub or w.c. system	...	...	...	...	10
Tub Closets requiring conversion to w.c. system	...	...	...	...	138
Insufficient Closet Accommodation	...	...	...	...	20
Houses Overcrowded	...	...	...	...	4
„ Requiring Cleansing	...	...	...	...	7
„ Requiring Ventilation	...	...	...	...	168
„ Damp	...	...	...	...	128
„ Requiring Water Supply	...	...	...	...	8
Workshops requiring Lime-washing	...	...	...	...	9
Cowsheds requiring Lime-washing	...	...	...	...	1
„ „ Lighting	...	...	...	...	1
Bakehouses requiring Lime-washing or Cleansing	...	...	...	...	5
Factories requiring Fire Escape	...	...	...	...	3
Total	...	...	...	...	1949



## SUMMARY.

	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	TOTALS.
No. of Premises where Notifiable diseases have occurred ... ..	239	179	256	269	943
Do. inspected do. do.	239	179	256	269	943
Do. disinfected do. do.	129	100	194	160	583
Do. flushed do. do.	203	154	243	210	810
Do. visited searching for fever ... ..	10	79	837	529	1455
Number of re-visits where cases are isolated at home	14	12	10	4	40
Do. houses visited for Zymotic or other particulars	121	172	198	140	631
Total number of visits to infected houses ... ..	364	437	1343	940	3084
Cases removed to Hospital, &c. ... ..	144	105	102	140	491
Number of Articles disinfected by Lyon's Disinfector	2102	1534	1819	1692	7147
Number of visits in deaths from Phthisis ... ..	22	22	22	18	84
Do. Under one ... ..	48	44	35	26	153
Number of premises flushed by request of owners (paid for) ... ..	137	211	167	143	658
Other premises, yards or courts flushed ... ..	321	249	294	385	1249
Drains found choked by Flushers ... ..	264	281	229	251	1025
Drains made clear ... ..	249	269	207	231	956
Number of applications received to empty Ashpits and Privies ... ..	110	142	71	70	393
Do. do. do. Receptacles	3	13	11	26	53
Nuisances reported to Public Health Department ...	190	165	145	175	675
Do. inspected ... ..	190	165	145	175	675
Inspection of premises where nuisances are found ...	422	287	221	230	1160
Do. premises where no nuisances are found...	295	247	225	214	981
Do. premises where offensive trades are conducted ... ..	45	48	66	51	210
Do. Cellar Dwellings ... ..	10	12	16	17	55
Do. Houses let in lodgings ... ..	20	23	60	31	134
Do. Common Lodging Houses ... ..	133	126	38	101	398
Do. Workshops ... ..	37	58	57	46	198
Do. Factories ... ..	94	65	80	56	295
Do. Schools ... ..	3	12	2	29	46
Do. Slaughter Houses ... ..	141	204	174	206	725
Do. Canal Boats ... ..	14	25	11	11	61
Do. Dairies and Milkshops ... ..	19	24	20	42	105
Do. Cowsheds ... ..	160	105	45	318	628
Do. Bakehouses ... ..	27	92	54	93	266
Do. Markets and Shops ... ..	627	498	522	586	2233
Do. Van Dwellings ... ..	68	35	33	46	182
Re-visits to work in progress ... ..	460	455	597	500	2012
Visits to property under notice ... ..	1638	1337	1655	1274	5904
Total number of Inspections of Premises ... ..	4213	3653	3876	3851	15593
No. of Entries in Report Books ... ..	253	193	128	113	687
Preliminary Notices to Owners ... ..	229	168	93	83	573
Number of Legal Notices issued for abatement or abolition of nuisances ... ..	145	98	109	88	440
Owners seen personally ... ..	292	249	280	245	1066
Summonses taken out ... ..	1	—	—	—	1
Sections of New Drains tested ... ..	33	49	56	65	203
Do. and satisfactory at first test ... ..	33	49	56	65	203
Old Drains tested ... ..	28	63	49	44	184
Do. and found sound ... ..	17	32	29	23	101
Do. and found defective ... ..	11	31	20	21	83
Smoke observations taken ... ..	108	111	94	78	391
Number of visits under Food and Drugs Acts ... ..	40	76	100	86	302
Food and Drugs—samples purchased ... ..	48	64	77	72	261
Do. do. adulterated ... ..	3	2	5	1	11
Water Samples taken for Analysis ... ..	—	—	2	—	2
Do. polluted ... ..	—	—	1	—	1
No. of Animals inspected by Vet. Inspector ... ..	940	14	—	488	1442
Do. certified by Vet. Insp. to be tubercular ... ..	—	—	—	—	—

**DAIRIES, COWSHEDS AND MILKSHOPS.**

The inspection of this class of premises which obtained during 1920, has been continued during the year under review. The number of visits paid by the District Sanitary Inspectors totalled 360.

At the end of the year 1921, there were in the Borough :—

Cowkeepers, who are also Milk Purveyors	...	116
Milk Purveyors only	... ..	37
Milk Shops, selling over counter	... ..	29
		182

In addition 53 Milk Purveyors who live outside the Borough are on the register.

The following short tabular statement give the number of milch cattle inspected by the Veterinary Inspector of the Department during 1921, and shows the number of farms and cowsheds visited.

Number of Farmsteads	... ..	134
Number of cowsheds	... ..	242
Number of Milch Cattle	... ..	1442

In the above visitation of Farms and Cowsheds the Veterinary Inspector was accompanied by a District Sanitary Inspector.

## FOOD INSPECTION.

### FOOD AND DRUGS ACTS, 1875 TO 1907.

#### Report of Action taken under the above-named Acts in the County Borough of Huddersfield during the year 1921.

#### 1.—ARTICLES ANALYSED.

New Milk	...	...	126	of this number 10 were certified as adulterated.
Butter	...	...	18	
Margarine	...	...	15	
Condensed Milk	...	...	2	
Cream	...	...	3	
Preserved Cream	...	...	6	
Lard	...	...	8	
Coffee	...	...	21	
Cocoa	...	...	1	
Custard Powder	...	...	4	
Baking Powder	...	...	9	
Ground Rice	...	...	1	
Egg Powder	...	...	1	
Cornflour	...	...	1	
Arrowroot	...	...	5	
Compound Liquorice Powder	...	...	1	
Pepper	...	...	7	
Miscellaneous	...	...	48	
Total				of this number 11 were certified as adulterated.

#### 2.—DETAILS OF THE SAMPLES REPORTED BY THE PUBLIC ANALYST TO BE ADULTERATED.

No.	Article.	Result of Analysis.	Proceedings.
1	New Milk (Informal)	Adulterated by the ad- dition thereto of at least 20.47% of water	See result of formal sample No. 4.
1	New Milk (Formal)	Not genuine by reason of the abstraction there- from of at least 19.7% of its milk fat	Vendor seen and warned by Town Clerk.
4	New Milk (Formal)	Not genuine by reason of the addition thereto of at least 19.53% of water	Case heard March 2nd, 1921. Defendant fined £10.



No.	Article.	Result of Analysis.	Proceedings.
23	New Milk (Formal)	Not genuine by reason of the addition thereto of at least 1.65% of water	Vendor warned. Further sample taken. Found genuine.
36	Seidlitz Powder (Informal)	Weight of blue wrapper 9.592 grs. Weight of White wrapper 4.250 grs.  Composition of contents of blue wrapper  Sodium Potassium Tartrate, 82.78%  Sodium Bicarbonate 16.80%  Weight of contents of white wrapper and the composition of the blue wrapper are not in conformity with the Pharmacopœia	No action taken by order of Medical Officer of Health.
51	New Milk (Formal)	Not genuine by reason of the abstraction therefrom of at least 4.7% of its milk fat or the addition thereto of water	Vendor seen and warned by Town Clerk.
59	New Milk (Formal)	Not genuine by reason of the abstraction therefrom of at least 23.33% of its milk fat and the addition thereto of at least 8.35% of water	Case heard Friday, Sept. 9th, 1921. Defendant fined £10 and £2 2s. 0d. Analyst's Fee.
63	New Milk (Formal)	Not genuine by reason of the addition thereto of at least 0.58% of water	Vendor warned. Further sample taken, proved genuine.
74	New Milk (Formal)	Not genuine by the abstraction therefrom of at least 3.3% of its milk fat	Vendor warned by Town Clerk.
77	New Milk (Formal)	Not genuine by reason of the abstraction therefrom of at least 2.66% of its milk fat or the addition thereto of water	Vendor warned by Town Clerk
159	New Milk (Informal)	Adulterated by the addition of at least 2.35% of water.	Formal sample to be taken.





PUBLIC HEALTH (MILK AND CREAM) REGULATIONS  
1912 AND 1917.

Report on the Administration of the above-named Regulations in  
the County Borough of Huddersfield during the year 1921.

The procedure remains as last year.

The details are set out below :—

1.—MILK, AND CREAM NOT SOLD AS PRESERVED CREAM.

		(a) No. of samples examined for the presence of a preservative.			(b) No. in which a preservative was reported to be present.
Milk	...	126	...	...	—
Cream	...	3	...	...	—

2.—CREAM SOLD AS PRESERVED CREAM.

(a) Instances in which samples have been submitted for analysis to ascertain if the statements on the label as to preservatives were correct :—

1. Correct statements made	...	...	...	6
2. Statements incorrect	...	...	...	...
Total	...	...	...	6

3. Percentage of Preservative found  
in each sample.

Percentage stated on  
Statutory label.

Sample No. 12	contained	0.32% of Boric Acid	Not exceeding	0.4%.
51	..	0.32%	..	..
68	..	0.10%	..	..
72	..	0.31%	..	..
129	..	0.25%	..	..
146	..	0.08%	..	..

(b) Determinations made of milk fat in cream sold as preserved cream :—

1. Above 35 per cent.	...	...	...	6
2. Below 35 per cent.	...	...	...	...
Total	...	...	...	6

(c) Instances where (apart from analysis) the requirements as to labelling or declaration of preserved cream in Article V. (1), and the proviso in Article V. (2) of the Regulations have not been observed.—None.

(d) Particulars of each case in which the Regulations have not been complied with, and action taken.—None.

3.—THICKENING SUBSTANCES.

Any evidence of their addition to cream or to preserved cream. Action taken where found.—None.

4.—OTHER OBSERVATIONS.—None.

**MEAT INSPECTION.**

There are ten Private Slaughter Houses still in the Borough and one Knacker's Yard. The whole of the ten Slaughter Houses are licensed, as is also the Knacker's Yard.

	In 1914.	In January, 1920.	In January, 1921.
Registered ...	—	—	—
Licensed ...	13	10	10
	—	—	—
Total ...	13	10	10
	—	—	—

There is also a Public Abattoir. Constant supervision is kept at the Abattoir during killing hours and the Private Slaughter Houses are visited by the District Inspectors when killing is likely to be taking place.

The number of carcasses condemned wholly or partly was 66 and 91 respectively, these were as follows :—

**Carcasses Wholly or Partly Condemned and Destroyed.****Table A.**

Animals.	Wholly.	Partly.	Totals.
Cows ... ..	10	24	34
Heifers ... ..	—	5	5
Bullocks ... ..	1	31	32
Calves ... ..	9	1	10
Sheep ... ..	24	3	27
Pigs ... ..	22	27	49
	66	91	157

The diseases found in the carcasses in the Public Abattoir and throughout the Borough are enumerated in Table B.

**Table B.**

Disease.	Cows.	Bullocks.	Heifers.	Calves.	Pigs.	Sheep.	Totals.
Tuberculosis ... ..	34	31	5	—	42	—	112
Jaundice ... ..	—	—	—	5	3	3	11
Peritonitis ... ..	—	—	—	—	—	1	1
Pyemia ... ..	—	1	—	1	—	—	2
Moribund (Accidents)	—	—	—	3	1	9	13
Emaciation ... ..	—	—	—	1	—	11	12
Swine Erysipilas ...	—	—	—	—	3	—	3
Strongylus Rufescens	—	—	—	—	—	3	3
	34	32	5	10	49	27	157

**Table C.**

The total weight of meat, unwholesome, or unsound, and destroyed was as follows :—

Beef ... ..	6,532 lbs.
Mutton ... ..	1,860 lbs.
Pork ... ..	4,625 lbs.
Veal ... ..	641 lbs.
Offals ... ..	4,836 lbs.
<b>Total</b> ... ..	<b>18,494 lbs.</b>

**Other Articles of Food.**

Rabbits ... ..	960 lbs.
Fish ... ..	1,949 lbs.
Eggs ... ..	300
Fruit ... ..	370 lbs.
Vegetables ... ..	1,120 lbs.
Tinned Foodstuffs ... ..	1,244 lbs.
Ham ... ..	28 lbs.
Sweets ... ..	29 boxes



**TABLE D.**  
**Showing the Number of Animals Slaughtered, also Carcasses Condemned in the Public Abattoir (1),**  
**and Private Slaughter Houses (2).**

MONTHS.	1-PUBLIC ABATTOIR.											2-PRIVATE SLAUGHTER HOUSES.													
	ANIMALS SLAUGHTERED.					(1) CARCASSES CONDEMNED.					WEIGHT OF CONDEMNED CARCASSES					ANIMALS SLAUGHTERED.									
	Cattle.	Calves.	Pigs.	Sheep.	Totals.	Cattle.	Calves.	Pigs.	Sheep.	Totals.	Cattle.	Calves.	Pigs.	Sheep.	Totals.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Beasts.	Calves.	Sheep.	Pigs.	Totals.
1921																									
January ...	579	194	393	1069	2235	1	—	4	2	7	Lbs. 330	—	—	—	Lbs. 320	—	—	—	—	Lbs. 790	103	4	166	416	689
February ..	529	335	583	1084	2531	1	1	1	5	8	420	70	330	980	160	—	—	—	—	82	—	—	7	181	188
March ...	600	532	740	1360	3232	1	2	—	1	4	470	112	—	—	—	—	—	—	—	82	19	—	36	186	241
April ...	486	456	556	1193	2691	—	—	4	4	8	—	—	504	280	784	—	—	—	—	280	63	5	266	172	506
May ...	431	254	463	1327	2475	1	3	1	1	6	648	224	140	84	1132	140	—	—	—	84	20	4	30	225	279
June ...	254	242	403	2163	3062	1	2	6	3	12	578	92	950	210	1830	950	—	—	—	210	—	—	—	160	160
July ...	219	154	265	2121	2759	1	—	—	—	1	483	—	—	—	483	—	—	—	—	—	28	—	69	127	224
August ...	430	168	328	2161	3087	1	—	1	3	5	640	—	180	254	1074	180	—	—	—	254	53	7	109	134	303
September	574	185	488	2289	3536	1	—	2	2	5	600	—	500	186	1286	500	—	—	—	186	—	—	—	259	259
October ...	530	245	489	1792	3056	2	—	1	2	5	1520	—	154	168	1842	154	—	—	—	168	52	5	134	26	217
November...	760	281	845	2180	4066	1	1	—	1	3	490	143	300	84	1017	300	—	—	84	1017	30	7	71	263	371
December	580	194	1104	1544	3422	—	—	2	—	2	—	—	500	—	500	—	—	—	—	—	71	5	138	83	297
	5972	3240	6659	20283	36152	11	9	22	24	66	6215	641	3708	1818	12382	3708	—	—	—	1818	439	37	1026	2232	3734

PRIVATE SLAUGHTER HOUSES.—No. of Carcasses Condemned, 3; Weight of Condemned Carcasses, 616 Lbs.

## FACTORIES, WORKSHOPS, WORKPLACES, AND HOMEWORK.

### 1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or  
Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions
<b>Factories</b> ... ..	295	3	...
(Including Factory Laundries) ...			
<b>Workshops</b> ... ..	464	5	...
(Including Workshop Laundries) ...			
<b>Workplaces</b> ... ..			
Total ... ..	759	8	...

### 2.—DEFECTS FOUND.

Particulars	Number of Defects.			Number of Prosecutions
	Found.	Remedied.	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Acts* :—</i>				
Want of cleanliness ... ..	7	7	...	...
Want of ventilation ... ..	1	1	...	...
Overcrowding ... ..	...	...	...	...
Want of drainage of floors ... ..	...	...	...	...
Other nuisances, including emission of black smoke ... ..	3	3	...	...
Sanitary accommodation {	2	2	...	...
	15	9	...	...
	7	5	...	...
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground bakehouses (S. 101) ... ..	...	...	...	...
Breach of special sanitary requirements for bakehouses (SS. 97 to 100) ... ..	2	2	...	...
Other offences, including escape in case of fire ... ..	9	9	...	...
(Excluding offences relating to out-work which are included in Part 3 of this Report).				
Total ... ..	46	38	...	...

\* Including those specified in sections 2, 3, 7, and 8 of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts.





## CLASSIFIED LIST OF WORKSHOPS.

	On Register Dec. 31st, 1920.		Added during 1921.		Removed during 1921.		Remaining Dec. 31st, 1921.	
	Central District.	Outer Districts.	Central District.	Outer Districts.	Central District.	Outer Districts.	Central District.	Outer Districts.
Dress and Mantle Makers and Milliners, Tailors, Waterproof Manufacturers, &c. ...	148	87	10	2	4	3	154	86
Boot and Shoe Makers, Cloggers, Saddlers and Carriers ...	64	107	—	—	3	—	61	107
Black, Shooing, Tin, and White Smiths; Cycle Repairs, &c. ...	38	26	6	—	1	1	43	25
Joiners, Cabinet Makers, Wood Carvers, Picture Framers and Gilders ...	32	48	1	—	2	1	31	47
Plumbers, Painters and French Polishers ...	42	28	1	—	2	—	41	28
Coopers, Carriage Builders, and Wheelwrights ...	10	13	—	—	—	—	10	13
Watchmakers, Jewellers, Engravers, and Electrical Engineers ...	25	4	—	—	2	1	23	3
Rug Makers and Rag and Wool Sorters ...	24	15	1	—	1	—	24	15
Upholsters, Basket and Brush Makers ...	22	3	—	—	—	—	22	3
Hosiery Knitters, Shirt Makers, and Laundries ...	5	14	—	—	—	—	5	14
Monumental Sculptors ...	2	4	—	—	1	1	1	3
Organ Builders, Piano Repairers, &c. ...	5	—	—	—	—	—	5	—
Tripe Dressers ...	6	1	—	—	—	—	6	1
Bakehouses ...	47	75	—	3	—	4	47	74
Manufacturing Chemists; Mattress, Corset, Blind, and Waggon Cover Makers; Wire Workers, Tea Packers, Teazle Trimmers, Rope Makers, Tallow Chandlers, &c., &c. ...	35	11	4	1	1	—	38	12
	505	436	23	6	17	11	511	431
	941		29		28		942	



## CANAL BOAT ACTS, 1877 and 1884.

### Huddersfield Registration District.

(1). Arrangements made for the inspection of boats, the name, address, and remuneration of the Inspector.

Ernest Richardson, Public Health Department, Huddersfield, was appointed Inspector of Canal Boats on the 10th day of October, 1917, and the remuneration for the work is included in his salary as Sanitary Inspector.

(2). The number of boats inspected during 1921, was 35, and of inspections 51.

The 35 boats were made up of 16 broad boats, 9 narrow, and 10 fly boats, the last being all broad boats.

The places of registry were :—Goole, 10 ; Mirfield, 16 ; Huddersfield, 7 ; Birmingham, 2. The whole of the boats inspected were found in good condition and conforming to the Acts and Regulations, and the occupants of all the boats in good health.

(3). Infringements of the Acts and Regulations with respect to the following matters :—

(a) Masters, without certificates.—None.

(b) Cleanliness.—None.

(c) Provision of water casks.—None.

(d) Removal of bilge water. This work received regular attention.

Matters of cleanliness of minor moment have received prompt attention at the instigation of the Inspector.

(4). Number of boats on the register—Ten. Propelled by motor—None.

(5). Number registered during 1921—None.

In all other respect the boats were in order.

E. RICHARDSON,  
Inspector under the Canal Boats Acts.

Public Health Department,  
Huddersfield,

January 20th 1922.

## CANAL BOATS ACTS, 1877 AND 1884.

Summary Appendix to the Annual Report of the Canal Boats  
Inspector for the year 1921.

	1921	1920	1919
Number of boats inspected	35	30	27
Made up of Broad Boats	16	11	13
Broad Fly Boats	10	12	8
Narrow Boats ..	9	7	6
Narrow Fly Boats	..	..	..
Registered Accommodation—Aft Cabin ..	147½	108	173
Centre Cabin ..	..	..	..
Fore Cabin ..	108	98	141
	} 255½	} 206	} 314
Population found on board			
Adults .. ..	45	92	88
Children .. ..	..	5	3
	} 45	} 97	} 91
Children under school age	None	5	3
Number of children of school age .. ..	None	None	None
Number of days on which inspections have been made .. ..	14	15	18
Number of inspections made .. ..	51	53	50
Number of boats conforming to Acts and Regulations .. ..	35	30	22

**HOUSING.**

The average annual rate of building new houses, previous to 1914, was 320 per annum. During the five years preceding 1920, the average number of new houses per year was at the rate of 47. The number of new houses completed by the Corporation in 1921 was 178, and by private enterprise 81, making a total of 259.

The Corporation have a scheme for building 1,500 houses under the Housing and Town Planning Act. The following list shews the number of houses erected by the Corporation and in course of erection since 1914 :—

1914	...	...	...	163
1915	...	...	...	20
1916	...	...	...	27
1919	...	...	...	100
1920	...	...	...	118
1921	...	...	...	61
				<hr/>
Total	...	...	...	489
				<hr/>

The following statement shews the number of plans submitted and houses erected during 1921 by private enterprise, in addition to those dealt with by the Sanitary Authority :—

Number of plans for dwelling-houses submitted from Jan. 1st to Dec. 31st, 1921 by private persons	...	...	...	88
Number of these houses in course of erection	...	...	...	44
Number not being proceeded with	...	...	...	44
Number of houses certified	...	...	...	81

**APPENDICES.****HOUSING CONDITIONS.**

Statistics.—Year ended 31st December, 1921.

**1.—GENERAL.**

(1) Estimated population	...	...	...	...	116,776
(2) General death-rate	...	...	...	...	12.72
(3) Death-rate from Tuberculosis	...	...	...	...	0.91
(4) Infantile Mortality	...	...	...	...	87
(5) Number of dwelling-houses of all classes	...	...	...	...	28,547
(6) Number of working-class dwelling-houses	...	...	...	...	21,444
(7) Number of new working-class houses erected	...	...	...	...	228



## 2.—UNFIT DWELLING-HOUSES.

## I.—Inspection :—

(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ... ..	24
(2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of Districts) Regulations, 1910 ... ..	24
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ..	—
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation ... ..	24

## II.—Remedy of Defects without service of formal notice :—

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers ... ..	8
--	---

## III.—Action under Statutory Powers :—

## A.—Proceedings under Section 28 of the Housing, Town Planning, etc. Act, 1919.

(1) Number of dwelling-houses in respect of which notices were served requiring repairs ...	38
(2) Number of dwelling-houses which were rendered fit :—	
(a) By owners (notices for which were served in 1920) ... ..	26
(b) By Local Authority in default of owners	14
(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close ... ..	—

Staff engaged on Housing with, briefly, the duties of each officer :—  
Two Inspectors engaged solely on Housing Work.



## NURSING ARRANGEMENTS, HOSPITALS AND OTHER INSTITUTIONS IN THE DISTRICT.

**Professional Nursing** in the home is provided by the Sanitary Authority for sick infants only. The nurses of the Queen Victoria Nursing Association visit a large number of surgical and general cases.

**Midwives** are not employed or subsidised by the Sanitary Authority. In the year under review, 27 midwives—16 trained and 11 untrained—notified their intention to practise in the Borough.

Altogether there were 1,531 out of a total of 2,077 notified births attended by midwives. A doctor was present in 233 of these cases, being engaged beforehand in 124 instances and sent for on account of abnormalities in 109 cases. The midwives undertook 1,298 cases without medical aid.

### **Clinics and Treatment Centres.**

Consultation for infants is held one afternoon weekly at the Public Health Department, where infants are weighed and examined, and advice given as to their feeding and care—2,170 attendances were made during the year.

Ante-natal clinics are not held (but *vide* post notification of pregnancy).

### **Day Nursery.**

A maximum number of 20 children under 5 years of age, whose mothers are obliged to go out to work, can be received into the Nursery, where they are fed, clothed and tended by the staff.

### **School Clinic.**

This is conducted on the premises of the Public Health Department, is open each afternoon for the treatment of minor ailments, and two half-days a week and by special appointment for consultations and examinations. Two clinic rooms and one waiting room is provided, with an additional waiting room on the premises of the Congregational Church for special days. The clinic is maintained by the Education Authority, and is under the superintendence of the Medical Officer of Health, co-operation with the Public Health Department is therefore complete.

### **Tuberculosis.**

One dispensary is provided by the Sanitary Authority at which two clinics are held weekly. The Medical Officer of Health is the Chief Tuberculosis Officer, and is assisted by the Assistant Medical



Officers of Health. The least satisfactory feature of this phase of the Public Health Work is the late period at which notifications of Tuberculosis are received. During the period under review, five entries in the death returns of persons who had died from Tuberculosis were the first intimation to the Sanitary Authority of the occurrence of these cases. The total number of deaths from Tuberculosis was 107.

#### **Venereal Diseases.**

The Huddersfield Royal Infirmary is used as the treatment centre for Venereal Diseases. Four clinics are held weekly—two for males and two for females. Four beds are provided for in-patients—two in a male ward and two in a female ward.

Two Medical Officers take charge of the clinic—Doctor A. L. McCully for the male department and Doctor J. C. Miller for the female department. An additional part-time staff is provided consisting of nurse, clerk, dispenser and male attendant.

The number of cases from the County Borough of Huddersfield, who attended the clinic during the period under review, were 333 males and 152 females, total 485.

### **HOSPITALS AND INSTITUTIONS.**

#### **(1) Tuberculosis.**

A residential institution—Bradley Wood Sanatorium—is superintended by the Medical Officer of Health, Doctor R. C. Poyser is Resident Medical Officer.

The main block of the Sanatorium contains 44 beds for adult cases of Pulmonary Tuberculosis. No accommodation is provided for the treatment of Non-Pulmonary Tuberculosis in adults. One block of the Sanatorium—built and equipped by the late John Sykes, Esq., and maintained by the Sanitary Authority—contains 24 beds for Surgical Tuberculosis in children.

#### **(2) Maternity.**

A pavilion in the grounds of the Mill Hill Sanatorium is equipped for a Maternity Ward of 12 beds. Cases are received when the accommodation at home is not suitable for the confinement.

The Sanitary Authority has provided no institution or scheme for dealing with unmarried mothers. This is dealt with on a small scale, voluntarily, at St. Katherine's Hostel, New North Road.

Abnormal cases of confinement are admitted to the Royal Infirmary.

(3) **Infectious Diseases.**

The Mill Hill Sanatorium, Dalton, for Infectious Diseases, is equipped with 132 beds in four pavilions—they are interchangeable.

(4) **Small-Pox.**

The Whitehouse Farm Small-Pox Hospital, Dalton, contains 40 beds.

**Ambulance Facilities.**

(a) Two Ambulances are provided by the Sanitary Authority for the removal of Infectious cases.

(b) The Watch Committee provide Ambulances for Non-Infectious and Accident cases.

**Laboratory Work.**

The Laboratory at the Public Health Department has been of service both in the Preventative and Clinical Work of the Department. During the year 1,953 specimens were examined. Of these 37.1% specimens were received from private practitioners, 33.9% from the Medical Superintendent of Hospitals from Mill Hill Sanatorium, 8.2% from the Resident Medical Officer at Bradley Wood Sanatorium, 0.9% from the Huddersfield Royal Infirmary, and the balance forming 19.9% representing various specimens obtained by one or other member of the staff of the Public Health Department in the course of routine duty.

**MATERNITY AND CHILD WELFARE.**

A scheme of voluntary notification of pregnancy was instituted in 1916. During the period under review, 796 notifications were received.

Each case is visited by an Assistant Medical Officer of Health and subsequent re-visits are made where necessary. Advice is given and where medical treatment is considered necessary, the patient is referred to her family doctor.

All notified births are visited and re-visited by the Assistant Medical Officer of Health as soon as possible after the notification of birth.

Two Nurses are provided by the Sanitary Authority to nurse continuously sick babies in their own homes under the supervision and direction of the family doctor.



Three home helps—housekeepers—are employed to take over the household duties in the homes of maternity cases, and two daily assistants—charwomen—for washing and heavy cleaning.

#### **Puerperal Fever.**

Ten cases of Puerperal Fever were notified during 1921 and each case was investigated. The death-rate from this disease was 0.08.

#### **Epidemic Diarrhœa.**

The number of cases notified in pursuance of the Huddersfield Corporation Act, 1880, Section 65, was 129. Sixty-five notifications referred to infants under one year of age, and the remaining 64 to infants between the age of one and five years. Sixteen deaths occurred from this disease, giving a death-rate of 0.13.

#### **Whooping Cough.**

This is not recognised by the Sanitary Authority as a notifiable disease. The death rate for the year was 0.06.

#### **Ophthalmia Neonatorum.**

CASES.						
Notified.	TREATED.		Vision Unimpaired.	Vision Impaired.	Total Blindness.	Deaths.
	At Home.	In Hospital.				
9	9	—	9	—	—	—

Each case of Ophthalmia Neonatorum is visited forthwith by an Assistant Medical Officer of Health and advice given as to treatment.

### **SANITARY ADMINISTRATION.**

Staff (exclusive of School Medical Service) :—

Medical Officer of Health.

Three Assistant Medical Officers of Health.

Chief Sanitary Inspector.

Five Assistant Inspectors.

Two Inspectors under the Housing and Town Planning, etc., Act, 1909.

Infectious Disease Officer.

Five Clerks.

Two Nurses.

Three Home Helps.

Two Daily Assistants.



The work of the Sanitary Inspector includes :—

- (a) Inspection of Nuisances under the Public Health Act, 1875.
- (b) Inspection under the Housing, Town Planning, etc., Act, 1909.
- (c) Food Inspection under the Food and Drugs Act, 1875 and 1907, and Milk and Cream Regulations, 1912.
- (d) Inspection of Factories, Workshops, Workplaces and Home-work.
- (e) Inspection under the Canal Boats Acts, 1877 and 1884.

#### LEGAL ACTS IN FORCE IN THE DISTRICT.

Waterworks ...	<b>Huddersfield Water Act, 1869.</b> Waterworks Act, 1871.
Highways ...	<b>Huddersfield Improvement Act, 1871.</b> Highways, New Streets, Buildings, etc.
Health ...	Sanitary arrangements.
Health ...	<b>Huddersfield Waterworks and Improvement Act, 1876.</b> Hospitals and Infectious Diseases.
Health ...	<b>Huddersfield Improvement Act, 1880.</b> Infectious Diseases. Conversion of Closets.
Health ...	<b>Huddersfield Corporation Act, 1906.</b> Infectious Diseases.
Health ...	<b>Huddersfield Corporation Act, 1906.</b> Milk Supply and Ice Cream.
Health ...	<b>Huddersfield Provisional Order, 1915.</b> Conversion of Closets.
Health ...	<b>Huddersfield Corporation Act, 1906, Sec. 55.</b> Provision of galvanized iron dust bins in lieu of ashes places.
	<b>Public Health Act, Amendment Act, 1890, Section 22 adopted.</b> Sanitary Accommodation in Factories, Workshops and Workplaces.

**TABLE A.**  
Vital Statistics of Huddersfield during the Year 1921, 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.			
	2	3	Un-corrected Number.	Nett.		Number.	Rate.	of Non-residents registered in the District.	of Residents registered in the District.	Under 1 Year of Age.		At all Ages.	
				Number.	Rate.					Number.	Rate per 1,000 nett Births.		Number.
1				4	5	6	7	8	9	10	11	12	13
1911	108144	2126	2122	2122	19.69	1664	15.44	84	55	281	132	1635	15.17
1912	109512	2060	2056	2056	18.84	1540	14.11	94	61	199	97	1507	13.81
1913	110882	2196	2196	2196	19.50	1681	14.92	101	84	227	103	1664	14.77
1914	112265	2030	2030	2030	18.08	1690	15.05	104	63	227	112	1649	14.69
1915	112265	1940	1935	1935	17.29	1796	16.05	90	124	212	109	1830	16.35
1916	115390	1905	1906	1906	17.20	1747	15.71	156	83	198	103	1674	15.11
1917	107969	1646	1650	1650	15.29	1475	13.29	123	79	132	80	1431	13.29
1918	105818	1575	1575	1575	13.35	1737	16.41	105	130	158	100	1762	16.65
1919	105346	1519	1519	1519	12.66	1701	15.81	107	98	144	95	1692	15.81
1920	112301	2106	2102	2102	18.02	1546	13.81	111	62	169	80	1497	13.37
1921	116776	2040	2049	2049	17.60	1607	13.8	126	70	178	87	1481	12.72

Area of District in acres (land and inland water) } 11859.  
 Total population at all ages .. .. 107821 } At Census of 1911.  
 Total families or separate occupiers .. 26068 }

Notifiable Diseases.	Cases notified in whole District.						Total Cases notified in each Township.						No. of Cases removed to Sanatorium from each Township.						Total Cases removed from inside the Borough.
	At all Ages.	At Ages—Years.					Huddersfield (including Central, Marsh, Partown, Deighton and Bradley).	(H) Dalton	Almondbury.	(W). Lockwood.	Lindley.	Longwood.	Huddersfield (including Central, Marsh, Partown, Deighton and Bradley).	(H) Dalton.	Almondbury.	Lockwood. (W)	Lindley.	Longwood.	
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.													
Anthrax .....	2	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	
Diphtheria, including Membranous croup...	263	2	36	145	48	32	128	16	47	51	8	13	128	17	43	50	8	13	255
Erysipelas .....	38	..	..	1	3	30	24	1	3	7	1	2	..	..	..	..	..	..	..
Scarlet Fever .....	119	2	18	66	18	15	58	9	12	16	9	15	..	8	11	15	9	15	115
Enteric Fever .....	19	..	..	3	6	10	8	1	4	3	1	2	3	1	4	3	1	..	12
Puerperal Fever .....	10	..	..	..	2	8	5	..	2	1	..	2	..	..	..	..	..	..	..
Diarrhoea (In Infants under 5 years of age)	129	65	64	..	..	..	112	4	7	3	2	1	..	..	..	..	..	..	..
Ophthalmia Neonatorum ..	9	9	..	..	..	..	6	1	1	1	..	..	..	..	..	..	..	..	..
Cerebro-spinal meningitis...	2	..	..	..	2	..	..	2	..	2	..	..	..	..	2	..	..	..	2
Acute Poliomyelitis ..	6	..	..	..	..	..	3	2	..	1	..	..	..	..	..	..	..	..	..
Malaria .....	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia .....	133	11	29	18	14	47	67	14	9	38	..	5	..	..	..	..	..	..	..
Encephalitis Lethargica	5	..	2	2	1	..	3	1	..	..	..	1	..	..	..	..	..	..	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Small Pox .....	5	..	..	1	2	2	3	..	1	..	..	1	3	1	..	..	1	..	5
Pulmonary { M .....	88	1	1	18	21	44	56	7	6	12	4	3	29	3	4	4	1	2	43
{ F .....	72	..	4	18	26	24	40	8	7	9	5	3	31	1	5	7	2	1	47
{ Total..	160	1	5	36	47	68	96	15	13	21	9	6	60	4	9	11	3	3	90
Tuberculosis:—																			
{ M ..	23	..	5	8	8	2	16	3	2	2	..	..	4	..	..	1	..	..	5
{ F ..	19	1	2	7	4	5	13	..	1	1	3	1	5	..	..	..	2	..	7
{ Total	42	1	7	15	12	7	29	3	3	3	3	1	9	..	..	1	2	..	12
Totals .....	943	91	162	290	156	223	544	68	102	147	33	49	256	30	68	82	23	32	491

Isolation Hospital, name and situation—Huddersfield Sanatorium, Dalton { Total available beds, 153.  
 Sanatorium for Tuberculosis—Bradley Wood, Bradley

Including a block of 24 beds for surgical tuberculosis for children, provided by the late John Sykes, Esq.



TABLE C.

Causes of, and Ages at Death during the Year 1921.

CAUSES OF DEATH.	Nett Deaths at the Subjoined Ages of "Residents" whether occurring within or without the District.									Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District.				
	All Ages.	Under 1.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	Infirmary.	Sanatorium.	Workhouse.	Private Surgical Homes	Total in Institutions.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
All causes—Certified..	1481	178	30	28	39	67	183	462	494	..	..	..	..	..
Uncertified ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever ..	4	..	..	..	..	2	2	..	..	1	2	..	..	3
Small Pox ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anthrax ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles ..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever ..	1	..	..	..	1	..	..	..	..	..	1	..	..	1
Whooping Cough ..	8	3	3	2	..	..	..	..	..	..	..	..	..	..
Diphtheria and Croup ..	11	..	..	4	5	2	..	..	..	..	11	..	..	11
Influenza ..	17	..	..	..	..	2	3	10	2	1	..	..	..	1
Erysipelas ..	3	..	..	..	..	..	1	2	..	..	..	2	..	2
Phthisis (Pulmonary Tuberculosis) ..	87	1	1	..	2	25	30	25	3	2	5	8	..	15
Tuberculous Meningitis ..	13	2	2	1	5	2	1	..	..	2	1	2	..	5
Other Tuberculous Diseases ..	7	..	..	..	1	2	2	1	..	2	..	..	..	2
Cancer, malignant disease ..	158	..	..	..	..	..	18	95	45	20	..	9	1	30
Rheumatic Fever ..	1	..	..	..	..	..	..	1	..	..	..	..	..	..
Meningitis ..	5	2	..	..	..	2	1	..	..	1	2	..	..	3
Organic Heart Disease ..	169	..	..	..	5	7	23	70	64	5	..	10	..	15
Bronchitis ..	159	22	6	2	1	..	11	39	78	4	..	18	..	22
Pneumonia (all forms) ..	108	18	9	11	2	3	16	29	20	9	..	8	1	18
Broncho Pneumonia ..	45	12	6	6	..	..	5	8	8	2	..	4	..	6
Other diseases of respiratory organs ..	14	..	..	..	..	..	3	7	4	..	..	..	..	..
Diarrhoea and Enteritis ..	21	15	..	1	1	..	1	2	1	..	..	1	..	1
Appendicitis and Typhlitis ..	10	..	..	..	3	1	2	2	2	12	..	..	2	14
Cirrhosis of Liver ..	3	..	..	..	..	..	..	3	..	..	..	..	..	..
Alcoholism ..	3	..	..	..	..	..	2	1	..	..	..	..	..	..
Nephritis & Bright's Disease ..	46	..	..	..	..	1	6	22	17	..	..	..	3	3
Puerperal Fever ..	3	..	..	..	..	2	1	..	..	2	..	..	..	2
Other accidents and diseases of Pregnancy & Parturition ..	16	..	..	..	..	..	16	..	..	7	..	..	..	7
Congenital Debility and Malformation, including Premature Birth ..	77	74	2	1	..	..	..	..	..	6	4	2	..	12
Violent Deaths, excluding Suicide ..	30	1	3	..	3	4	4	8	7	25	..	5	..	30
Suicide ..	16	..	..	..	1	..	4	5	6	..	..	..	..	..
Other Defined Diseases ..	490	39	4	6	9	12	36	140	244	74	1	67	10	152
Diseases ill-defined or unknown ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals ..	1481	178	30	28	39	67	183	462	494	173	27	132	17	349
Sub-Entries included in above figures.														
Cerebro-spinal Meningitis..	2	..	..	..	..	2	..	..	..	..	2	..	..	2
Pneumonia (other than Broncho-pneumonia) ..	63	6	3	5	2	3	11	21	12	7	..	4	1	12





TABLE I.

Return of Births and Deaths Registered during the thirteen weeks ended 2nd April, 1921.

TOWNSHIPS	Census Population, 1911.	Estimated Population at the middle of the year 1921.	Births Registered dur- ing the 13 weeks ended April 2nd, 1921.	Deaths Registered dur- ing the 13 weeks ended April 2nd, 1921.	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.										Rate of Mortality per 1,000.									
					Under 1 year	Over 1 and Under 5 years.	Persons aged 65 years and upwards.	Small Pox.	Measles	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fever.			Tuberculosis (all Forms)	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases.	Cancer	All other Diseases.	During the corre- sponding period year previous.		During the 13 weeks ended April 2nd, 1921.				
													Typhoid.	Other.	Diarrhoea.						During the corre- sponding period year previous.	During the 13 weeks ended April 2nd, 1921.	During the corre- sponding period year previous.	During the 13 weeks ended April 2nd, 1921.			
*Huddersfield Includ- ing Central, Marsh, Fartown, Deighton and Bradley .....	51,264	55,629	238	129	24	4	35	..	..	..	..	..	..	..	..	..	..	10	33	16	10	60	11.15	9.30	0.07	0.00	
Dalton .....	9,249	9,869	51	23	7	2	5	..	..	..	..	..	..	..	..	..	..	3	7	1	3	9	13.10	9.35	..	0.00	
Almondbury .....	15,485	16,458	74	48	7	..	21	..	..	..	..	..	..	..	..	..	..	2	10	7	7	22	12.42	11.7	0.07	0.00	
Lockwood .....	16,641	18,546	63	40	10	..	13	..	..	..	..	..	..	..	..	..	..	3	7	6	6	18	12.15	8.65	..	0.00	
Lindley .....	9,345	10,038	36	27	2	..	9	..	..	..	..	..	..	..	..	..	..	1	6	1	4	15	11.64	10.79	..	0.00	
Longwood .....	5,837	6,236	19	14	3	1	6	..	..	..	..	..	..	..	..	..	..	..	1	3	..	10	12.04	12.22	0.71	0.00	
Royal Infirmary .....	..	..	7	25	2	2	8	..	..	..	..	..	..	..	..	..	..	1	4	1	5	14	..	..	..	..	
Nursing Home .....	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	
Crosland Moor Workhouse ..	..	..	8	31	1	1	13	..	..	..	..	..	..	..	..	..	..	4	8	2	5	12	..	..	..	..	
Deanhouse do.	..	..	..	9	..	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9	..	..	..	..	
Sanatorium for In- fectious Diseases ..	..	..	18	8	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Deaths of Resi- dents outside Borough	..	..	..	14	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Borough .....	107,821	116,776	514	370	58	12	118	..	..	..	..	..	..	..	..	..	..	30	80	39	40	177	..	..	..	..	
Rate per 1,000 of Esti- mated Population	..	..	17.66	12.72	..	..	..	..	..	..	..	..	..	..	..	..	..	1.03	2.74	1.34	1.37	6.08	15.22	12.72	0.50	0.13	

Death Rate—Huddersfield, with Infirmary and Nursing Home, 11.25 Deaths of Children under one year per 1,000 births, 113. Death Rate of 96 Towns, 13.91.  
 " Dalton, with Fever Hospital 12.6 " " previous corresponding period, 96. Birth Rate " (Zymotic) " 0.67.  
 " Lockwood, with Crosland Moor Workhouse, 15.36 " " Birth Rate " 23.61.

\*Owing to the alterations in the Ward Boundaries made by the Council in January, 1908 (see Minutes, 15-1-1908) it is not possible to continue the division of the Huddersfield Township into the Districts, Central, Marsh, Fartown, Deighton, and Bradley as in former years. The other districts are, however, strictly comparable with those of previous years.













TABLE V.

Return of Births and Deaths Registered during the fifty-two weeks ended 31st December, 1921.

TOWNSHIPS.	Census Population, 1911.	Estimated Population at the middle of the year 1921.	Births Registered during the 52 weeks ended December 31st, 1921.	Deaths Registered during the 52 weeks ended December 31st, 1921.	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.										Rate of Mortality per 1,000.						
					Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers.			Tuberculosis (all Forms).	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases.	Cancer.	All other Diseases.	All Causes		During the 52 weeks ended Dec. 31st, 1921.	
													Typhoid.	Other.	Diarrhoea.						During the corresponding period year previous.	During the 52 weeks ended Dec. 31st, 1921.		
*Huddersfield Including Central, Marsh, Fartown, Deighton and Bradley .....	51,264	55,629	952	541	78	21	172	..	1	..	..	5	..	..	9	43	120	69	51	243	10.76	9.75	0.07	0.27
Dalton .....	9,249	9,869	155	98	16	5	34	..	..	..	..	..	..	1	7	20	10	12	48	10.14	9.96	0.00	0.1	
Almondbury .....	15,485	16,458	276	185	28	3	76	..	..	..	3	..	..	2	6	32	29	26	87	10.84	11.27	0.25	0.3	
Lockwood .....	16,641	18,546	274	172	21	9	53	..	..	..	..	..	..	1	14	35	23	21	78	10.23	9.3	0.22	0.05	
Lindley .....	9,345	10,038	138	101	11	3	38	..	..	..	..	..	..	1	7	19	11	12	51	9.35	10.09	0.1	0.99	
Longwood .....	5,837	6,236	95	70	6	2	33	..	..	..	..	..	2	4	8	10	7	39	8.53	11.26	0.00	0.32		
Royal Infirmary .....	..	..	14	11	6	7	17	..	..	..	..	..	..	6	11	3	16	75	..	..	..	..	..	
Nursing Home .....	..	..	1	8	..	..	..	..	..	..	..	..	..	1	1	1	..	1	5	..	..	..	..	
Crosland Moor Workhouse .....	..	..	38	99	4	1	49	..	..	..	..	..	..	1	6	18	7	8	59	..	..	..	..	
Deanhouse do. .....	..	..	..	22	..	..	15	..	..	..	..	..	..	..	..	..	2	1	19	..	..	..	..	
Sanatorium for Infectious Diseases .....	..	..	106	26	4	4	..	..	1	11	..	..	2	6	..	..	..	..	6	..	..	..	..	
Other Deaths of Residents outside Borough .....	..	..	..	48	4	3	7	..	..	..	..	..	..	7	7	7	5	3	26	..	..	..	..	
Borough .....	107,821	116,776	2,049	1,481	178	58	494	..	1	11	8	4	..	15	107	271	169	158	736	..	..	..	..	
Rate per 1,000 of Estimated Population .....	..	..	17.60	12.72	..	..	..	..	0.01	0.01	0.09	0.06	0.03	0.12	0.91	2.32	1.45	1.35	6.32	13.37	12.72	0.34	0.34	

Death Rate—Huddersfield, with Infirmary and Nursing Home, 11.9 Deaths of Children under one year per 1,000 births, 87. Death Rate of 96 Towns, 12.18.  
 " Dalton, with Fever Hospital 12.6 " " previous corresponding period, 80. Birth Rate " (Zymotic) " 0.86.  
 " Lockwood, with Crosland Moor Workhouse 14.66 " " " " " " " " 23.19.

\*Owing to the alterations in the Ward Boundaries made by the Council in January, 1908 (see Minutes, 15-1-1908) it is not possible to continue the division of the Huddersfield Township into the Districts, Central, Marsh, Fartown, Deighton, and Bradley as in former years. The other districts are, however, strictly comparable with those of previous years.

TABLE VI.  
Death Rate per 1,000 per annum for 1921 and forty-one previous years.

Year.	Estimated Population at the middle of the Year.	From all causes and at all ages.	Children under 1 year.	Children over 1 year and under 5 years.	In persons aged 50 years and upwards.	In persons aged 60 years and upwards.	ZYMOTIC DISEASES.										Violence and Accidents.	Scarlet Typhoid.	Consumption and Diseases of the Breathing Organs.
							Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fever.	Diarrhoea.	Severe Typhoid.					
1880	81,780	22.04	5.20	3.79	6.66	..	0.02	0.40	0.28	0.05	0.15	0.07	0.91	2.49	0.61	6.72			
1881	82,113	20.35	4.67	2.82	6.54	..	..	0.09	0.21	0.04	0.42	0.13	0.38	1.26	0.75	6.50			
1882	83,271	22.39	5.64	3.93	6.60	..	..	0.96	0.26	0.07	0.64	0.18	0.53	2.63	0.65	6.81			
1883	84,450	21.38	5.14	3.09	6.52	..	..	0.39	0.08	0.04	0.55	0.18	0.44	1.68	0.58	7.65			
1884	86,004	19.54	4.84	2.55	6.34	..	..	0.18	0.08	0.05	0.70	0.14	0.63	1.77	0.57	5.65			
1885	87,327	20.05	4.62	2.84	6.79	..	..	0.65	0.13	0.05	0.29	0.11	0.29	1.42	0.74	6.50			
1886	88,670	19.54	4.49	2.76	6.30	..	..	0.19	0.37	0.14	0.32	0.14	0.48	1.63	0.79	6.38			
1887	90,034	22.99	5.06	4.42	6.70	..	..	1.39	0.35	0.46	0.68	0.10	0.41	3.39	0.51	7.29			
1888	91,419	18.51	3.90	2.80	6.37	..	0.02	0.36	0.29	0.15	0.41	0.13	0.19	1.55	0.65	5.40			
1889	92,825	18.79	4.15	2.78	6.33	..	..	0.98	0.28	0.13	0.16	0.11	0.36	2.02	0.38	5.95			
1890	94,253	18.84	3.83	2.19	7.02	..	0.01	0.04	0.07	0.05	0.42	0.25	0.39	1.23	0.48	6.58			
1891	95,410	23.02	4.52	3.51	8.64	..	..	1.12	0.31	0.05	0.62	0.16	0.14	2.40	0.67	7.66			
1892	95,373	18.37	3.53	2.60	6.97	..	0.01	0.71	0.19	0.07	0.30	0.06	0.19	1.55	0.48	5.76			
1893	95,336	17.84	2.37	2.05	6.82	..	0.02	0.26	0.26	0.03	0.14	0.15	0.55	1.41	0.38	5.55			
1894	95,299	16.46	3.35	1.94	5.92	..	..	0.14	0.24	0.28	0.58	0.14	0.19	1.57	0.40	4.81			
1895	95,261	17.89	3.58	1.95	7.00	..	..	0.13	0.21	0.20	0.22	0.06	0.54	1.36	0.47	5.17			
1896	95,224	17.69	3.63	2.25	6.90	..	..	0.28	0.20	0.27	0.57	0.13	0.34	1.79	0.50	5.51			
1897	95,187	17.56	3.30	1.74	6.81	..	..	0.27	0.35	0.22	0.21	0.17	0.35	1.57	0.48	5.05			
1898	95,149	17.13	3.70	1.89	7.03	..	..	0.34	0.10	0.15	0.12	0.10	0.81	1.62	0.60	4.65			
1899	95,112	17.63	3.79	1.41	7.44	..	..	0.12	0.07	0.05	0.59	0.25	0.85	2.04	0.52	4.74			
1900	95,074	18.49	3.32	1.89	8.20	..	..	0.62	0.20	0.02	0.18	0.24	0.50	1.74	0.57	5.26			
1901	95,351	16.64	3.02	1.23	..	4.38	..	0.14	0.06	0.06	0.02	0.19	0.94	1.41	0.61	4.46			
1902	96,573	17.43	3.30	1.78	..	4.17	0.01	0.59	0.11	0.15	0.47	0.05	0.19	1.58	0.57	4.46			
1903	97,808	16.25	2.78	1.32	..	4.29	0.02	..	0.15	0.14	0.16	0.08	0.26	0.82	0.66	4.41			
1904	99,056	16.78	3.08	1.69	..	4.11	0.01	0.76	0.10	0.14	0.25	0.07	0.50	1.83	0.61	4.13			
1905	100,317	16.05	2.69	1.29	..	4.17	..	0.05	0.11	0.11	0.17	0.17	0.46	1.07	0.58	4.15			
1906	101,591	16.18	3.07	1.81	..	4.21	..	0.60	0.07	0.13	0.32	0.09	0.80	2.00	0.44	3.84			
1907	102,887	15.61	2.07	1.11	..	4.23	..	0.10	0.06	0.08	0.18	0.11	0.49	0.71	0.50	3.95			
1908	104,178	15.54	2.48	1.55	..	4.05	..	0.62	0.03	0.08	0.13	0.08	0.56	1.50	0.47	3.55			
1909	105,492	14.64	2.11	1.27	..	4.12	..	0.17	0.09	0.19	0.14	0.10	0.25	0.94	0.55	3.47			
1910	106,820	14.76	2.02	1.17	..	3.86	..	0.09	0.17	0.14	0.27	0.05	0.28	1.00	0.49	3.22			
1911	108,144	15.17	2.61	1.20	..	4.40	..	0.16	0.15	0.20	0.10	0.07	1.14	1.83	0.50	3.16			
1912	109,512	13.81	1.82	0.95	..	4.07	..	0.19	0.20	0.08	0.24	0.02	0.10	0.83	0.44	2.98			
1913	110,882	14.77	2.02	0.97	..	4.49	..	0.22	0.06	0.05	0.07	0.08	0.33	0.82	0.57	3.64			
1914	112,265	14.69	2.02	1.19	..	4.36	..	0.44	0.03	0.04	0.19	0.05	0.13	0.87	0.54	3.59			
1915	112,265	16.35	1.89	0.90	..	5.27	..	0.20	0.00	0.16	0.08	0.01	0.24	0.69	0.53	4.78			
1916	111,139	15.11	1.78	0.99	..	4.89	..	0.02	0.01	0.14	0.33	0.02	0.10	0.65	0.42	3.97			
1917	107,969	13.29	1.22	0.81	..	4.33	..	0.27	0.01	0.10	0.10	0.01	0.09	0.11	0.59	0.51	4.14		
1918	105,818	16.70	1.49	1.27	..	4.64	..	0.18	0.01	0.10	0.15	0.03	0.07	0.56	0.51	5.22			
1919	105,346	15.81	1.34	0.85	..	4.99	..	0.02	..	0.07	0.04	0.03	0.04	0.23	0.43	4.63			
1920	112,301	13.37	1.51	0.62	..	4.17	..	0.05	0.06	0.15	0.05	0.01	0.00	0.34	0.54	3.52			
1921	116,776	12.72	1.52	0.49	..	3.14	..	0.01	0.01	0.09	0.06	0.03	0.12	0.34	0.39	3.16			





TABLE VII.

DISTRICTS	Mortality per 1,000 Persons Living at all Ages.													Total from all Causes.			
	Birth-rate.	Children under 1 year.	1 to 5 Years.	Adults over 65 years.	Seven Zymotic Diseases	Constitutional Diseases	Tuberculosis all forms.	Developmental Diseases.	Diseases of the Nervous System.	Diseases of the Circulatory System.	Diseases of the Respiratory System.	Diseases of the Digestive System.	Diseases of the Urinary System		Diseases of the Reproductive System.	Violence.	Ill-defined and not Specified Causes.
Huddersfield Township (with Infirmary & Nurses Home) .....	17.28	1.53	0.55	3.62	0.27	1.64	0.93	1.37	1.08	1.67	2.5	0.79	0.5	0.18	0.48	1.11	12.53
Huddersfield Township (without Infirmary & Nurses Home) .....	17.00	1.42	0.43	3.31	0.27	1.29	0.77	1.28	1.04	1.55	2.27	0.27	0.41	0.01	0.19	0.99	10.38
Dalton (with Sanatorium) .....	26.84	2.03	0.91	3.66	0.1	1.62	1.42	1.83	1.62	1.22	2.03	0.3	0.5	0.2	0.1	2.23	13.11
Dalton (without Sanatorium) .....	15.75	1.62	0.5	3.66	0.1	1.62	0.71	1.42	1.42	1.22	2.03	0.3	0.5	0.2	0.1	0.81	10.47
Almondbury .....	16.82	1.7	0.18	4.87	0.3	1.89	0.42	1.76	1.21	2.19	1.95	0.36	0.73	0.18	0.18	0.67	11.82
Lockwood (with Workhouse) .....	16.88	1.46	0.54	5.68	0.1	1.89	1.13	2.59	2.21	2.21	2.92	0.1	0.54	0.21	0.32	0.86	15.14
Lockwood (without Workhouse) .....	14.82	1.24	0.48	3.02	0.05	1.4	0.75	1.35	1.19	1.56	1.94	0.1	0.32	0.21	0.21	0.64	9.79
Lindley .....	13.79	1.19	0.29	3.89	0.09	1.49	0.69	1.09	1.79	1.19	2.09	0.29	0.49	0.09	0.29	1.39	11.09
Lengwood .....	15.28	0.96	0.32	5.3	0.32	1.76	0.96	2.09	1.93	2.25	1.44	0.32	0.48	0.00	0.00	0.32	11.58
Total for Borough, 1921 .....	17.60	1.52	0.49	4.21	0.22	1.70	0.91	1.67	1.43	1.78	2.36	0.51	0.54	0.17	0.34	1.09	12.72
Total for 1920 .....	18.02	1.48	0.60	3.14	0.43	1.77	1.09	1.49	1.48	1.91	2.81	0.59	0.57	0.08	0.54	0.00	12.75

The above figures include persons belonging to Huddersfield who died outside the Borough classified to the localities in which they previously resided.

**TABLE VIII.**

Cases of infectious diseases notified under the 64th clause of the Huddersfield Improvement Act, 1880, or found through official enquiries, during the four quarters of the 52 weeks of the year 1921.

**A** Cases of Small Pox, Scarlet Fever, Typhoid, and Typhus Fever.

	1st Quarter.			2nd Quarter.			3rd Quarter.			4th Quarter.			YEAR			
	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.
Small pox .....	..	..	..	..	2	2	..	..	3	3	..	..	5	5	..	..
Scarlet fever.....	29	28	1	1	26	25	..	..	40	39	..	..	119	115	1	1
Typhoid fever .....	4	1	..	..	1	..	..	..	12	10	2	2	19	12	2	2
Typhus fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals .. ..	33	29	1	1	27	25	..	..	55	52	2	2	143	132	3	3

**B** Other Diseases.

	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		TOTAL.	
	Heard of	Hospital	Heard of	Hospital	Heard of	Hospital	Heard of	Hospital.	Heard of	Hospital
Continued fever .....	..	..	..	..	..	..	..	..	..	..
Chicken Pox.....	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	76	73	58	57	56	53	73	72	263	255
Puerperal fever .....	4	..	2	..	3	..	1	..	10	..
Erysipelas.....	10	..	4	..	10	..	14	..	38	..
Diarrhoea (in children under 5 years)	4	..	5	..	101	..	19	..	129	..
Ophthalmia Neonatorum	3	..	2	..	2	..	2	..	9	..
Cerebro-Spinal Meningitis	1	1	1	1	..	..	..	..	2	2
Polio-Myelitis .....	2	..	..	..	..	..	..	..	6	..
Anthrax .....	1	..	1	..	..	..	3	..	2	..

**TABLE IX.**  
 Birth-rate, Death-rate, and Analysis of Mortality during the Year 1921.

(Provisional figures. Populations as enumerated in 1921 have been used for the purposes of this Table. The mortality rates refer to the whole population as regards England and Wales, but only to civilians as regards London and the groups of towns.)

	BIRTH-RATE PER 1,000 TOTAL POPULATION.	ANNUAL DEATH-RATE PER 1,000 POPULATION.										RATE PER 1,000 BIRTHS.		PERCENTAGE OF TOTAL DEATHS.			
		All Causes.	Enteric Fever.	Small-pox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Violence.	Diarrhoea and Enteritis (under 2 Years).	Total Deaths under One Year.	Deaths in Public Institutions.	Certified Causes.	Inquest Cases.	Uncertified Causes of Death.	
England and Wales .....	22.4	12.1	0.02	0.00	0.06	0.03	0.12	0.12	0.23	0.44	15.5	83	25.5	92.5	6.4	1.1	
96 Great Towns including London— (1911 Census Populations exceeding 50,000) .....	23.3	12.3	0.01	0.00	0.08	0.04	0.13	0.15	0.23	0.40	19.3	87	33.2	92.5	6.8	0.7	
148 Smaller Towns (1911 Census Populations 20,000—50,000) .....	22.7	11.3	0.01	0.00	0.05	0.03	0.11	0.11	0.26	0.35	15.6	84	17.7	93.5	5.1	1.4	
London .....	22.3	12.4	0.01	0.00	0.05	0.06	0.12	0.25	0.23	0.42	21.3	80	49.2	91.6	8.2	0.2	

This Table has been kindly furnished by the Registrar General of Births, Marriages, and Deaths.



