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COUNTY PALATINE OF LANCASTER.

REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1924.

WITH STATISTICAL INFORMATION FROM REPORTS OF
DISTRICT MEDICAL OFFICERS OF HEALTH.

(Presented to the County Council, November 5th, 1925.)



COUNTY COUNCIL.

PRESTON:

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1925.





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PUBLIC HEALTH AND HOUSING COMMITTEE (1925).

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Vice-Chairman :

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(* County Aldermen.)

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*Sir Henry F. Hibbert, Bart., J.P., D.L.

The Vice-Chairman of the County Council :

*H. Wade Deacon, Esq., C.B.E., J.P.

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(* *County Aldermen.*)

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Lady A. F. P. Worsley-Taylor

REPORT

OF THE

MEDICAL OFFICER OF HEALTH

For the Year ended December 31st, 1924.

To the County Council of the County Palatine of Lancaster.

I have the honour to submit for your consideration the Thirty-sixth Annual Report on the health, sanitary condition, and administration of the Administrative County of Lancaster for the year ended 31st December, 1924.

The report follows on the lines of previous reports to maintain continuity of statistical records, and deals with the public health activities of the Administrative County as carried out by the County Council and by the Local Sanitary Authorities.

Area of Administrative County.—The area of the Administrative County on the 31st December, 1924, was 1,054,508 statute acres. No change affecting the area of the County took place during the year under report. The acreage of each County district, taken from the Census Report, 1921, is given in Table "B," page 16.

Population.—The estimated populations of the Administrative County, as calculated by the Registrar-General, for the year 1924, are as follow :—

For calculating the <i>birth-rate</i>	...	1,784,000
For calculating the <i>death-rate</i>	...	1,782,800

The population at the date of the Census, 1921, of the County area, as at present constituted, was 1,745,959. During the period which has elapsed since the Census, the excess of births over deaths in the County area was 32,139.

Table "B," page 16, shows the Census enumeration of each County district, and also the estimated population for the year under report.

The following table gives the area, population, persons per acre, &c., of the County on the 31st December, 1924, distributed between the boroughs, urban and rural districts :—

	Area in Acres.	Population			Persons per Acre.	Acres per Person
		Census, 1921.	Estimate of Population, 1924.			
			For Birth-rate.	For Death-rate.	Calculated on estimated population.	
Municipal Boroughs (19).	86,426	580,924	584,330	584,130	6.76	0.14
Urban Districts (83)	255,458	922,749	951,670	950,870	3.72	0.26
Rural Districts (19)	712,624	242,286	248,000	247,800	0.34	2.87
Administrative County	1,054,508	1,745,959	1,784,000	1,782,800	1.69	0.59

Summary of County Statistics, 1924.—The following tabular statement compares the County birth and death rates of 1924 with the preceding year and with the mean of the ten years 1914-1923 :—

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death rate.	Death-rate from Tuberculosis of Respiratory System.	
<i>Mean of 10 years</i>				
1914-1923	18.84	13.94	0.87	96
1923.....	17.29	12.30	0.70	80
1924.....	16.54	12.53	0.68	81
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.30	—1.41	—0.19	—15
Previous Year	—0.75	+0.23	—0.02	+1

Births and Birth-rates.—The births registered in or belonging to the Administrative County during the year ended 31st December, 1924, numbered 29,519, as compared with 30,672 in the year 1923—a decrease of 1,153.

The sex of the children born is shown below :—

	Males.	Females.	Total.
Urban Districts	13,147	12,390	25,537
Rural Districts	1,986	1,996	3,982
Administrative County ...	15,133	14,386	29,519

The births of males again outnumbered those of females, the excess representing 2·53 per cent. ; in the year 1923 the excess was 2·59 per cent., and 1·93 in the years 1922 and 1921.

The excess of births over deaths in 1924 was 7,166.

The following tabular statement gives the number of births registered in the County area and the birth-rates per 1,000 of the population during the last 35 years :—

	Average Annual No. of Births. (Actual numbers for years 1920-24)	Average Annual Birth Rate (Annual Rates for years 1920-24)
1890-1894 ...	53,636	30·41
1895-1899 ...	52,583	28·34
1900-1904 ...	49,678	26·51
1905-1909 ...	43,845	24·54
1910-1914 ...	39,050	22·26
1915-1919 ...	30,449	17·45
1920 ...	39,767	22·97
1921 ...	36,558	20·76
1922 ...	32,011	18·11
1923 ...	30,672	17·29
1924 ...	29,519	16·54

The following table shows the County, urban, and rural birth-rates for the year 1924, also the rates for each year in the preceding decennial period. For comparative purposes, the birth-rates for the whole country are also given :—

	Birth-rate per 1,000 of the Estimated Population.										
	1914.	1915.	1916.	1917.	1918.	1919.	1920.	1921.	1922.	1923.	1924.
Urban Districts	22·19	19·91	18·54	16·27	16·09	16·58	22·30	21·06	18·28	17·42	16·62
Rural Districts..	20·95	18·95	18·59	16·08	16·06	16·88	22·98	18·94	17·04	16·48	16·05
Administrative County	22·02	19·78	18·54	16·25	16·08	16·62	22·97	20·76	18·11	17·29	16·54
England and Wales.....	23·8	21·8	21·6	17·8	17·7	18·5	25·4	22·4	20·6	19·7	18·8

The County birth-rate continues to fall, and the 29,519 births in the year 1924 yielded a rate of 16·54 per 1,000 of the population, the lowest rate recorded for the County area excepting the war years. The birth-rate for 1924 shows a reduction as compared with 1923 of 0·75 per 1,000 for the whole County, 0·80 in the urban districts, and 0·43 in the rural districts. The County rate was 2·3 per 1,000 below the average for the whole of England and Wales. Compared with the mean of the 10 years 1914-1923, the County rate in 1924 showed a decline of 2·30 per 1,000.

The number of births in 1924 and the birth-rates of each borough, urban, and rural district are given in Table "B," page 16. In 15 County districts the births were fewer in number than the deaths.

The highest district birth-rates in 1924 were as follow :—Haydock 25·7, Irlam 24·1, Ince-in-Makerfield 23·0, Widnes (B.) 22·8, Fleetwood 22·7, and Carnforth 22·2.

The lowest birth-rates were in Fulwood 8·7, Grange-over-Sands 9·2, Brierfield 10·1, Little Crosby 10·6, Barrowford and Heysham each 11·1, and Trawden 11·3.

[illegible]

ADMINISTRATIVE COUNTY OF LANCASTER.

TABLE A.—CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING THE YEAR ENDED
31st DECEMBER, 1924.

CAUSES OF DEATH.		ADMINIS- TRATIVE COUNTY. TOTAL DEATHS.	Sex.	AGGREGATE OF URBAN DISTRICTS.										AGGREGATE OF RURAL DISTRICTS.									
				YEARS.										YEARS.									
				All Ages.	0—	1—	2—	5—	15—	25—	45—	65—	75—	All Ages.	0—	1—	2—	5—	15—	25—	45—	65—	75—
ALL CAUSES	Col.	22353	M. F.	9795 9641	1251 897	321 271	308 229	251 255	424 444	1097 1122	2990 2520	1990 2097	1253 1806	1513 1404	147 125	38 23	36 25	46 21	47 51	163 167	381 311	376 328	279 233
Enteric Fever	1	29	M. F.	12 10	.. ..	.. ..	.. 2	1 ..	4 4	4 3	3 1	.. ..	.. ..	2 5	.. ..	.. ..	.. ..	.. ..	1 2	1 3	.. ..	.. ..	.. ..
Smallpox	2	..	M. F.	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Measles	3	263	M. F.	136 113	35 18	46 46	47 34	7 15	1 ..	.. ..	.. ..	.. ..	.. ..	9 5	3 2	2 2	2 2	2 1	.. ..	.. ..	.. ..	.. ..	.. ..
Scarlet fever	4	42	M. F.	25 14	2 ..	3 1	9 4	6 7	3 1	1 1	1 ..	.. ..	.. ..	1 2	.. ..	.. ..	1 2	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Whooping cough	5	184	M. F.	81 87	41 38	26 26	13 22	1 1	.. ..	.. ..	.. ..	.. ..	.. ..	9 7	4 5	4 2	1 ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Diphtheria	6	93	M. F.	31 52	5 3	4 6	15 17	7 23	.. 1	.. 1	.. ..	.. 1	.. ..	7 3	.. ..	1 ..	1 3	3 ..	1 ..	.. ..	1 ..	.. ..	.. ..
Influenza	7	975	M. F.	414 427	16 6	5 6	11 3	7 11	32 22	81 88	139 131	86 106	37 54	72 62	3 2	.. 1	1 1	.. 1	5 2	20 14	17 17	17 14	9 10
Encephalitis lethargica	8	103	M. F.	48 46	1 ..	.. ..	2 2	6 6	10 6	13 10	15 18	1 2	.. 1	8 1	.. ..	.. ..	.. ..	2 ..	.. 1	3 ..	1 ..	2 ..	.. ..
Meningococcal meningitis	9	15	M. F.	9 5	2 2	1 1	2 ..	1 2	1 ..	1 ..	1 ..	.. ..	.. ..	1 ..	.. ..	.. ..	.. ..	.. ..	1 ..	.. ..	.. ..	.. ..	.. ..
Tuberculosis of respiratory system	10	1215	M. F.	578 501	2 2	3 ..	3 5	19 25	105 166	219 198	208 92	19 10	.. 3	65 71	.. 1	.. ..	2 ..	1 2	8 21	39 32	14 13	1 2	.. ..
Other tuberculous diseases	11	339	M. F.	155 145	20 8	29 14	19 26	18 20	25 32	16 18	24 19	4 4	.. 4	25 14	1 2	8 ..	2 2	6 4	3 3	2 1	3 2	.. ..	.. ..
Cancer, malignant disease	12	2182	M. F.	881 1005	.. 1	1 ..	4 ..	3 ..	4 5	46 112	486 526	280 241	57 120	141 155	.. ..	.. ..	.. ..	1 ..	2 13	7 65	51 60	23 17	11 ..
Rheumatic fever	13	98	M. F.	45 47	.. ..	.. ..	1 ..	11 13	12 11	10 13	10 5	1 4	.. 1	1 5	.. ..	.. ..	.. ..	.. ..	.. 1	.. ..	1 4	.. ..	.. ..
Diabetes	14	279	M. F.	94 142	.. ..	1 ..	.. 1	1 3	5 11	12 12	42 58	23 45	10 12	21 22	.. ..	.. ..	.. ..	.. ..	2 3	3 4	10 6	3 7	14 2
Cerebral hemorrhage, &c.	15	1498	M. F.	575 737	.. ..	.. ..	1 ..	.. 1	2 1	13 29	205 258	234 252	120 196	90 96	.. ..	.. 1	.. ..	.. ..	2 ..	24 1	42 23	22 31	13 ..
Heart disease	16	2776	M. F.	1053 1336	.. ..	.. ..	1 ..	21 25	16 37	124 171	389 427	337 414	175 262	184 203	.. ..	.. ..	.. ..	3 2	.. 4	12 14	62 58	61 56	46 69
Arterio-sclerosis	17	780	M. F.	385 287	.. ..	.. ..	.. ..	.. ..	.. ..	3 ..	97 51	169 109	116 127	61 47	.. ..	.. ..	.. ..	.. ..	.. ..	14 6	39 15	17 26	17 ..
Bronchitis	18	2017	M. F.	867 901	97 72	21 26	18 6	3 2	3 3	32 20	209 180	278 298	206 294	122 127	14 9	3 3	2 2	1 1	5 3	23 14	40 37	33 37	18 ..
Pneumonia (all forms)	19	1877	M. F.	971 885	102 142	108 81	76 53	41 24	51 34	148 80	234 137	92 83	29 51	133 88	17 17	14 6	12 4	5 2	6 8	15 19	34 17	16 13	14 ..
Other respiratory diseases	20	275	M. F.	141 98	6 3	2 2	5 3	4 4	7 3	16 12	47 33	30 26	27 12	22 14	2 1	1 ..	1 1	.. ..	.. 1	3 1	8 3	5 3	2 5
Ulcer of stomach or duodenum	21	122	M. F.	76 34	.. ..	.. ..	.. ..	1 ..	4 4	31 8	32 13	7 7	1 2	8 4	.. ..	.. ..	.. ..	.. ..	2 1	2 1	3 1	1 ..	21 1
Diarrhoea, &c.	22	343	M. F.	157 152	106 73	22 20	5 6	3 2	3 3	2 7	6 19	7 13	3 9	16 18	8 2	1 2	2 2	.. 2	.. 2	2 2	.. 4	3 2	22 2
Appendicitis and typhlitis	23	124	M. F.	68 44	.. ..	1 ..	3 2	19 11	12 10	21 11	11 9	1 ..	.. 1	9 ..	.. ..	.. ..	.. ..	2 1	2 1	2 1	1 ..	.. ..	23 ..
Cirrhosis of liver	24	67	M. F.	41 15	.. ..	.. ..	1 ..	.. ..	1 ..	4 3	28 9	7 2	.. 1	7 4	.. ..	.. ..	.. ..	.. ..	.. ..	5 3	2 ..	.. 1	24 ..
Acute and chronic nephritis	25	659	M. F.	329 264	.. ..	1 2	6 5	7 3	14 14	49 41	159 102	71 81	22 16	37 29	.. ..	1 ..	.. ..	.. ..	2 8	19 11	9 5	7 4	25 ..
Puerperal sepsis	26	46	M. F.	.. 44	.. ..	.. ..	.. ..	.. ..	.. 11	.. 33	.. ..	.. ..	.. ..	2 ..	.. ..	.. ..	.. ..	.. 1	.. 1	.. ..	.. ..	.. ..	26 ..
Other accidents and diseases of pregnancy and parturition	27	103	M. F.	.. 83	.. ..	.. ..	.. ..	.. ..	.. 14	.. 69	.. ..	.. ..	.. ..	.. 20	.. ..	.. ..	.. ..	.. 3	.. 16	.. 1	.. ..	.. ..	27 ..
Congenital debility and mal-formation, premature birth	28	1033	M. F.	520 382	516 378	2 2	1 1	1 ..	1 ..	.. ..	.. ..	.. ..	.. ..	67 64	65 63	1 1	1 ..	.. ..	.. ..	.. ..	.. ..	.. ..	28 ..
Suicide	29	167	M. F.	163 46	.. ..	.. ..	.. ..	1 ..	5 3	27 19	55 22	12 2	3 ..	10 8	.. ..	.. ..	.. ..	.. ..	1 4	7 2	2 2	.. ..	29 ..
Other deaths from violence	30	608	M. F.	348 157	10 8	9 5	24 13	24 17	48 5	85 16	100 37	33 22	15 34	79 24	3 4	1 ..	4 ..	5 4	4 ..	20 3	25 2	8 4	9 3
Other defined diseases	31	3913	M. F.	1990 1728	199 136	33 32	39 39	40 39	55 42	135 143	368 345	390 363	431 605	297 288	26 16	2 4	5 3	14 2	9 5	24 37	53 51	73 69	91 111
Causes ill-defined or unknown	32	128	M. F.	52 54	1 6	3 1	3 1	1 ..	.. 1	4 4	31 28	8 12	1 1	9 13	1 1	.. ..	1 ..	.. ..	.. ..	1 7	4 2	4 1	.. ..

ILLEGITIMATE BIRTHS.—The births of illegitimate children registered in 1924 numbered 1,063, or 32 fewer than in the preceding year. The percentage to *total* births was 3.60.

Deaths and Death-rates.—The total number of deaths registered in the Administrative County in the year 1924, after correction for inward and outward transfers, was 22,353—an increase of 534 deaths on the 1923 total.

The sex distribution of the persons dying in 1924 is shown below :—

	Males.	Females.	Total.
Urban Districts	9,795	9,641	19,436
Rural Districts	1,513	1,404	2,917
Administrative County ...	11,308	11,045	22,353

The County deaths in 1924 at various age periods are given below :—

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 under 75.	75 and upwards.	Total
2,420	653	598	573	966	2,549	6,112	4,791	3,691	22,353

Table "A" here inserted, is a classified statement of the causes of death in 1924, distributed in age groups, and distinguishing the sexes, for the aggregate urban and rural districts.

The following table gives the County birth and death rates for the year 1924, and also those for England and Wales :—

		BIRTH-RATE per 1,000 of the Population.	DEATH-RATE per 1,000 of the Population.	RATE OF INFANT MORTALITY measured by the proportion of deaths of Infants under 1 year to 1,000 births.
Administrative County of Lancaster	Urban Districts ...	16·62	12·66	84
	Rural Districts ...	16·05	11·77	68
	Urban and Rural Districts combined	16·54	12·53	81
England and Wales		18·8	12·2	75

The table below gives the death-rates of the County, distinguishing the urban and rural rates, and also gives the rates for England and Wales, from 1914 to 1924 :—

	Death-rate per 1,000 of the Estimated Population.										
	1914.	1915.	1916.	1917.	1918.	1919.	1920.	1921.	1922.	1923.	1924.
Urban Districts	14·17	15·60	14·47	14·05	17·40	14·01	12·83	12·31	13·43	12·44	12·66
Rural Districts	12·53	13·57	13·32	13·56	16·41	14·40	12·19	11·97	11·99	11·45	11·77
Administrative County	13·95	15·32	14·31	13·98	17·26	14·06	12·74	12·27	13·23	12·30	12·53
England and Wales... ..	13·7	14·8	14·0	14·4	17·6	13·8	12·4	12·1	12·9	11·6	12·2

The County death-rate for the year under review shows a fractional increase as compared with the preceding year, viz., 12·53, per 1,000 of the population, against 12·30. In the aggregate urban districts the increase corresponded to 0·22, and in the rural districts 0·32 per 1,000. The County rate was 0·3 in excess of the rate for England and Wales. As compared with the County average for the 10 years 1914-1923, the 1924 rate was more favourable to the extent of 1·41 per 1,000.

The relative importance of various diseases or groups of diseases is shown in the following statement :—

	No. of deaths in 1924.	Percentage to total deaths.
Heart disease	2,776	12·4 per cent.
Cancer, malignant disease..	2,182	9·7 „
Bronchitis	2,017	9·0 „
Pneumonia (all forms) ...	1,877	8·3 „
Tuberculosis (all forms) ...	1,554	6·9 „
Congenital debility and malformation, premature birth	1,033	4·6 „
Influenza	975	4·3 „
*Principal infectious diseases	845	3·7 „

*Includes smallpox, measles, scarlet fever, whooping-cough, diphtheria, enteric fever, and diarrhoea (under 2 years).

Increases in the number of fatalities, compared with 1923, were recorded in 1924 in the following causes :—influenza 305, measles 132, cancer 106, arterio sclerosis 102, heart disease 69, encephalitis lethargica 66; whilst decreases took place in diarrhoea 92, non-pulmonary tuberculosis 73, tuberculosis of the respiratory system 35, and congenital debility 35.

The following districts had the highest death-rates in 1924 :—Kirkham 17·6, Poulton-le-Fylde 17·4, Heysham 17·2, Lancaster (R.) 16·5, Barrowford and Morecambe (B.) each 16·1, and Fulwood 15·6.

Extending over a period of ten years, the following districts had the highest mortality averages :—Wardle 18·4, Whitworth 17·4, Lees 16·8, Heywood (B.) 16·7, Ashton-under-Lyne (B.) 16·4, Widnes (B.) and Ince-in-Makerfield each 16·2, and Kirkham and Milnrow each 16·0.

The lowest death-rates in 1924 were in Prestwich 8·3, Adlington 8·7, Huyton-with-Roby and Irlam each 8·8, Little Crosby 8·9, and Formby 9·0. Covering a period of ten years, the lowest mortality averages were Little Crosby 9·8, Urmston 10·7, Great Crosby 10·8, Irlam 11·1, Nelson (B.) and Preesall each 11·6, Prestwich 11·7, Horwich and Stretford each 11·8, and Rishton 11·9.

Details of the deaths in the various sanitary areas, classified under certain headings, are given in Table "B," here inserted, and the mortality rates of each district in 1924 are compared with the preceding year and with the mean of the ten years 1914-1923 on pages 111 to 151.

TRANSFERABLE DEATHS.—During the year under report the following "transfers" were made :—3,579 persons who, having a fixed or usual residence in the Administrative County, died in a district other than that in which they resided, and these (known as inward transfers) have been allocated to their proper districts ; 3,898 deaths occurring in the County area of persons not belonging thereto were transferred to the districts to which they belonged. In the year 1923, the transfers were :—Inward 3,496, Outward 3,938.

Infant Mortality.—The number of deaths of infants under the age of one year in the Administrative County area in the year 1924 was 2,420, or 10·82 per cent. of the total deaths at all ages.

In the preceding year infant deaths numbered 2,468, or 11·31 per cent. of total deaths, and in 1922 2,748 deaths, or 11·75 per cent.

The principal causes of mortality amongst infants in 1924 are shown in the following table, and, for purposes of

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TABLE B.—Continued.

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TABLE B—Continued

Date		Description		Amount	
1875	Jan 1	Balance		100.00	
1875	Jan 15	Received from A. B.		50.00	
1875	Feb 1	Received from C. D.		25.00	
1875	Feb 15	Received from E. F.		75.00	
1875	Mar 1	Received from G. H.		100.00	
1875	Mar 15	Received from I. J.		50.00	
1875	Apr 1	Received from K. L.		25.00	
1875	Apr 15	Received from M. N.		75.00	
1875	May 1	Received from O. P.		100.00	
1875	May 15	Received from Q. R.		50.00	
1875	Jun 1	Received from S. T.		25.00	
1875	Jun 15	Received from U. V.		75.00	
1875	Jul 1	Received from W. X.		100.00	
1875	Jul 15	Received from Y. Z.		50.00	
1875	Aug 1	Received from A. B.		25.00	
1875	Aug 15	Received from C. D.		75.00	
1875	Sep 1	Received from E. F.		100.00	
1875	Sep 15	Received from G. H.		50.00	
1875	Oct 1	Received from I. J.		25.00	
1875	Oct 15	Received from K. L.		75.00	
1875	Nov 1	Received from M. N.		100.00	
1875	Nov 15	Received from O. P.		50.00	
1875	Dec 1	Received from Q. R.		25.00	
1875	Dec 15	Received from S. T.		75.00	
1875	Dec 31	Balance		100.00	

comparison, the details are given of the deaths in the four preceding years :—

Causes of Infant Deaths.	Deaths of Infants under 1 year.				
	1920.	1921.	1922.	1923.	1924.
Total—All Causes ...	3634	3241	2748	2468	2420
Measles ...	85	21	84	34	58
Scarlet Fever ...	...	...	3	2	2
Whooping Cough ...	91	147	92	93	88
Diphtheria ...	7	9	6	7	8
Influenza ...	23	10	48	19	27
Encephalitis Lethargica	Diseases not sepa- rately specified	3	1	...	2
Meningococcal Meningitis		1	5	1	4
Tuberculosis of Respira- tory System ...	8	4	6	2	5
Other Tuberculous Diseases ...	46	34	47	36	31
Bronchitis ...	388	244	216	219	192
Pneumonia (all forms) ...	414	365	384	335	368
Other Respiratory Diseases ...	20	20	23	12	12
Diarrhœa, &c. ...	396	414	210	180	189
Congenital Debility and Malformation, Pre- mature Birth ...	1404	1333	1124	1051	1022
Other Causes ...	752	636	499	477	412

The following table gives the infant death-rates for the Administrative County and for England and Wales from 1914 to 1924 :—

	Rate of Deaths of Children under 1 Year to 1,000 Births.										
	1914.	1915.	1916.	1917.	1918.	1919.	1920.	1921.	1922.	1923.	1924.
Urban Districts.	115	123	101	96	101	94	95	90	87	82	84
Rural Districts..	96	94	82	94	90	88	67	76	75	67	68
Administrative County	112	119	99	96	100	93	91	88	85	80	81
England and Wales.....	105	110	91	97	97	89	80	83	77	69	75

The table below, which gives the County infant mortality in 1924 contrasted with preceding quinquennia, shows the general steady decline which has taken place during the last thirty years :—

Years.	Birth-rate per 1,000 of Estimated Population.	INFANT MORTALITY.		
		Rate of Deaths under One Year.		Percentage of Infant Deaths to Total Deaths at all ages.
		Per 1,000 Births.	Per 1,000 of the Estimated Population	
1894—1898	28·76	159	4·56	26·42
1899—1903	26·81	155	4·17	25·58
1904—1908	24·94	136	3·43	23·37
1909—1913	22·57	120	2·73	19·67
1914—1918	18·53	105	2·10	14·17
1919—1923	19·15	87	1·70	13·21
1924	16·54	81	1·35	10·82

In the report for 1923 the most favourable infant mortality rate for the Administrative County was recorded, and the rate for the year 1924 is almost identical, viz., 81 per 1,000 registered births, against the low rate of 80 per 1,000 in 1923. The rate in 1924 for the urban districts was 84 per 1,000, and 68 for the rural districts.

The following statement indicates the variation in the district infant mortality rates in 1924 :—

In 5 districts the rate exceeded 150	per 1,000 births.
In 24 districts the rate was between 100 & 150	„ „
In 73 districts the rate was between 50 & 100	„ „
In 16 districts the rate was under 50	„ „
In 3 districts the rate was nil.	

The highest infant death-rates in 1924 were in the following districts :—Billinge and Brierfield each 176, Sefton (R.) 164, Hurst 153, Ince-in-Makerfield 151, Trawden 129, Orrell 128, Aspull 127, Barrowford 126, Church 123, and Swinton and Pendlebury 121.

Covering a period of ten years, 1914-1923, the highest district infant mortality rates were in Little Lever 129, Longridge 126, Hindley 124, Abram and Ince-in-Makerfield each 123, Ashton-under-Lyne (B.) 121, Standish-with-Langtree 119, Kearsley, Lees and Leigh (B.) each 117, and Skelmersdale 115.

The lowest infant death-rates in the year 1924 were :—Grange-over-Sands, Little Crosby and Preesall each nil, Garstang (R.) 25, Irlam, Whitefield and Lunesdale (R.) each 28, Croston 34, Blackrod 35, Norden 36, and Prestwich 37.

Maternal Mortality.—The following table shows the number of deaths in the County Area classified by the Registrar-General as due to or associated with childbirth. In 1924 these fatalities numbered 149—from puerperal sepsis 46, due to childbirth 103. In 1923 the total was 136, and the average of the ten years 1914-1923 168. The maternal mortality rate per 1,000 births rose from 4.43 in 1923 to 5.04 in the year under report.

The table below contrasts the death-rates assigned to childbirth and puerperal sepsis in the Administrative County with those for the whole country :—

Year.	ADMINISTRATIVE COUNTY.						ENGLAND & WALES.		
	No. of Births.	No. of Deaths.		Mortality per 1000 births.			Mortality per 1000 births.		
		Child-birth (Mothers).	Puer-peral Sepsis	Child-birth (Mothers).	Puer-peral Sepsis.	Total	Child-birth (Mothers).	Puer-peral Sepsis.	Total.
1914	38,552	137	73	3.55	1.89	5.44	2.62	1.55	4.17
1915	34,713	127	43	3.66	1.24	4.90	2.71	1.47	4.18
1916	32,695	145	44	4.43	1.35	5.78	2.74	1.38	4.12
1917	28,420	101	32	3.55	1.13	4.68	2.58	1.31	3.89
1918	27,736	112	44	4.04	1.59	5.63	2.51	1.28	3.79
1919	28,799	92	57	3.19	1.98	5.17	2.70	1.67	4.37
1920	39,767	117	81	2.94	2.04	4.98	2.52	1.81	4.33
1921	36,558	128	58	3.50	1.59	5.09	2.53	1.38	3.91
1922	32,011	97	56	3.03	1.75	4.78	2.43	1.38	3.81
1923	30,672	94	42	3.06	1.37	4.43	2.52	1.30	3.82
Average 1914-1923	32,992	115	53	3.48	1.60	5.09	2.58	1.45	4.03
1924	29,519	103	46	3.48	1.55	5.04	2.51	1.39	3.90

Figures extracted from the Annual Reports of the Registrar-General.

The above figures are exclusive of the deaths of women not classed to pregnancy and childbearing, but returned as associated therewith, but include deaths from puerperal nephritis and albuminuria.

Attention of Local Authorities is drawn to the Ministry of Health Circular 517, issued in June, 1924, urging them to improve their maternity services.

Notification of Births Acts, 1907 and 1915.—The County Council is the "Local Authority" for the administration of the Act of 1907 for the sanitary areas in the County in which *that* Act had *not* been adopted at the time the Extension Act of 1915 became operative.*

*See note on page 21.

The County Council's Child Welfare Scheme now comprises 74 districts, the urban district of Irlam being included from the 1st October, 1924.

From these 74 districts the copy notifications of births received in 1924 by the County Medical Officer of Health under the provisions of the 1915 Act numbered 10,109. The actual number of births *registered* in these districts was 11,113.

* Eighty-three County districts come within this category, but as 9 of the districts had appointed *local* health visitors prior to the date on which the County Council commenced this work, they are excluded from the County Council Welfare Scheme.

Maternity and Child Welfare.—Health Visitors.—Maternity and Child Welfare work in the Administrative County was carried out as shown below on the 31st December, 1924 :—

	Estimated Population for calculation of Birth-rate.	No. of Births registered in 1924.
By Local Sanitary Authorities—in 47 districts (18 boroughs and 29 urban districts)	1,115,812 ...	18,406
By the County Council—in 74 dis- tricts (1 borough, 54 urban, and 19 rural districts)	668,188 ...	11,113
	1,784,000 ...	29,519

The following tabular statement shows the action taken up to 31st December, 1924, by the *Local Sanitary Authorities* of districts outside the County Council's Child Welfare scheme, in the establishment of Maternity or Infant Welfare Centres and the appointment of Health Visitors :—

LIST OF CHILD WELFARE CENTRES WHICH HAVE BEEN ESTABLISHED BY
LOCAL SANITARY AUTHORITIES.

District.	Address of Child Welfare Centre.	Day and Time Open.	Health Visitor Appointed.
Abram	New building, near Council Offices ...	Alternate Wednesdays, 4 o'clock	Whole time
Accrington (B.) ...	Ambulance Drill Hall, Bull Bridge ...	Every morning and Thurs- day afternoon	Whole time
Ashton-in-Makerfield ...	Congregational Class Rooms, Gerard Street	Thursday, 2—4 ...	Whole time
Ashton-under-Lyne (B.)	Two Centres, east and west ends of district	Monday, 9—12; Tuesday, 2—5; Wednesday, 2—4; Thursday, 2-30—4-30	Whole time (3)
Atherton	Formby Hall	Wednesday, 2-15—3-30 ...	Whole time
Bacup (B.)	Rochdale Road	Wednesday, 2-30—4 ...	Health Visitor also acts as School Nurse
Brierfield	Ambulance Hall, Crabtree Street ...	Tuesday, 2—4-30; Wednes- day, 3—4-30; Thursday, 2—5-30; Friday, 2—7-30	Whole time
Chadderton	Washbrook Primitive Methodist School	Monday and Tuesday, 2—5	Whole time (2)

District.	Address of Child Welfare Centre.		Day and Time Open.	Health Visitor Appointed.
Chorley (B.)	...	Eaves Lane Congregational School ... St. George's Street School ...	Wednesday, 2—4.30 Thursday, 2—4.30	Whole time (2)
Clitheroe (B.)	...	The Castle ...	Fortnightly—Tuesday, 3 ...	Health Visitor also acts as School Nurse
Colne (B.)	...	Bank House, Albert Road ...	Wednesday and Thursday, 10—11 and 2.30—4	Whole time
Crompton	...	Town Hall, Shaw ...	Wednesday, 2—5 ...	Whole time
Darwen (B.)	...	43, Bolton Road ...	Daily, 9—10; 4.30—5.30 Tuesday and Wednesday, 2.30—5	Whole time (2)
Denton	...	Greenfield Institute ...	Thursday, 2.30—5	Whole time
Eccles (B.)	...	Market Place ...	Monday, 2—5 ...	One Senior Health Visitor ; four Health Visitors who also act as School Nurses
Failsworth	...	Green Lane, Patricroft ...	Monday, Tuesday, Wednesday, and Thursday, 2—5	Whole time
Farnworth	...	Carnegie Library ...	Ante-natal Meetings, alternate Fridays, 3—4.30	Whole time
Golborne	...	Wesley School, Market Street ...	Wednesday, 2—4.45 ... Monday, Wednesday, and Friday, 2.30—4	Whole time (2)
	...	Methodist School, High Street ...	Alternate Thursdays, 2—5...	Whole time

District.	Address of Child Welfare Centre.	Day and Time Open.	Health Visitor Appointed.
Great Harwood	Town Hall	Alternate Tuesdays, 2-30—4-30	Part time
Haslingden (B.)	Wesleyan School, Manchester Road...	Alternate Thursdays, 3—5 ...	Health Visitor also acts as School Nurse
Heywood (B.) ...	Hornby Street Sunday School ...	Thursday, 1-30—4 ...	Whole time (2)
Hindley ...	White House, Liverpool Road ...	Consultations : Monday and Thursday, 2—5-30. Treatment : Daily except Saturday, 10—5-30	Whole time
Horwich ...	Public Hall	Daily, 9—10 ; Wednesday and Thursday, 2-30—4-30	Whole time (2)
Hurst ...	Ormond Street Sunday School ...	Wednesday, 2—4 ...	Whole time
Ince-in-Makerfield	Council Offices	Tuesday and Thursday, 2—4	Whole time (1) ; part time (1)
Irlam ...	Irlam and Cadishead (Transferred to County Council, 1/10/24)	Alternate Wednesdays, 2—4	Whole time
Lancaster (B.) ...	Thurnham House, Thurnham Street	Tuesday and Thursday, 2—5	Four Health Visitors, who also act as School Nurses
Leigh (B.) ...	Stone House, St. Helens Road ...	Monday, 2—5 ...	Four Health Visitors, who also act as School Nurses

District.	Address of Child Welfare Centre.	Day and Time Open.	Health Visitor Appointed.
Lytham Saint Anne's (B.)	Old Council Offices, Lytham ... Wesleyan School, Church Road, St. Annes	Thursday, 2-30—5 ... Tuesday, 2-30—5	Health Visitor also acts as School Nurse
Middleton (B.) ...	Health Department ...	Wednesday and Thursday, 2—5	Three Health Visitors, who also act as School Nurses
Mossley (B.) ...	Wesleyan Schools, Stamford Road ...	Wednesday, 3 ...	Whole time
Nelson (B.) ...	9, Carr Road ...	Wednesday, 2-30—5-30 ...	Whole time (2)
Newton-in-Makerfield ...	Town Hall, Earlestown ... Town Hall, Newton-le-Willows ...	Thursday, 2-30—4-30 ... Monday, 3—4	Whole time
Orrell ...	Council Offices ...	Thursday, 3 ...	District Nurse acts as Health Visitor
Oswaldtwistle ...	Barnfield House ... Conservative Club, Belthorn, and Day School, Knuzden ...	Tuesday, 2-30 ... Once per quarter	Whole time
Padiham ...	West Bank House ...	Mornings, 9—10 ; Wednes- day, 2-30	Whole time
Prestwich ...	Wesleyan Schools, Chapel Street ...	Wednesday, 2—5 ...	Whole time
Radcliffe ...	(Centre opened April, 1925) ...	... ...	Whole time
Ramsbottom ...	Stubbins Lane ...	Tuesday, 2 ...	Whole time

District.	Address of Child Welfare Centre.	Day and Time Open.	Health Visitor Appointed.
Rawtenstall (B.)	Council School, Cloughfold ... Council School, Goodshaw ... Council School, Whitewell Bottom ...	1st & 3rd Tuesday, 2-30—4 2nd & 4th Tuesday, 2-30—4 2nd & 4th Tuesday, 2-30—4	Two Health Visitors, who also act as School Nurses
Royton ...	Free Library, Rochdale Road	Wednesday, 2—5 ...	Whole time
Stretford ...	40, Talbot Road, Old Trafford Sixth Street, Trafford Park ...	Monday and Thursday, 2—4-30 Tuesday, 2—4-30	Whole time
Swinton and Pendlebury	Council Offices, Swinton	Wednesday, Thursday, and Friday, 2—4-30	Whole time (2)
Tyldesley-with-Shakerley	Technical School	Thursday, 3 ...	Whole time
Upholland ...	Nil	... ..	District Nurse acts as Health Visitor
Waterloo-with-Seaforth	Town Hall, Waterloo ... Northway House, Seaforth	Wednesday, 2-30—4-30 Monday, 2-30—4-30	Whole time
Westhoughton ...	Sunnybank, Market Street	Thursday, 2-30—4-30 ...	Whole time (2)
Widnes (B.)	Town Hall ... Cooper Hall ... Mill Brow ... Halebank	Consultations. Wed., 1-30—3 } Treat- Tuesday, 1-30—3 } ment Thursday, 1-30—5 } Daily, Wednesday, 3—5, 9—5	Six Health Visitors, who also act as School Nurses

SUPPLY OF FOOD AND MILK.—In all the districts mentioned in the preceding tabular statement, arrangements have been made by the Local Authority under which a supply of food and milk for expectant and nursing mothers and of milk for infants is available in necessitous cases.

COUNTY COUNCIL CHILD WELFARE SCHEME.—The Medical and Nursing Staff of the School Medical Department and the Maternity and Child Welfare Staff of the County Public Health Department were amalgamated on the 1st April, 1919.

Work of County Health Visitors.—The following is a statement of the Child Welfare work carried out by the County Nurses during the twelve months ended 31st December, 1924 :—

Home Visits—

No. of first visits	...	...	...	...	11,006
No. of re-visits	...	...	...	...	51,272

Ante-Natal Visits—

No. of visits to expectant mothers	...	...	2,700
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Other Visits—

Special visits to older children, Medical Officers of Health, &c.	...	...	708
Visits to cases of ophthalmia neonatorum and other matters	...	...	295

Reports to County Medical Officer of Health—

Re insanitary conditions	...	...	68
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CHILD WELFARE CENTRES.—The following is a list of the County Council Child Welfare Centres :—

LIST OF CHILD WELFARE CENTRES WHICH HAVE BEEN ESTABLISHED BY THE COUNTY COUNCIL.

District.	Address of Child Welfare Centre.	Day and Time Open.	Medical Officer.	Nurse.
Adlington ...	Wesleyan Sunday School, Market St.	Wednesday, 2—4	Dr. Johnstone	Miss Kennedy
Aspull (New Springs)	Ind. Methodist Sunday School, New Springs	Wednesday, 2—4	Dr. Hall	Miss Evans
Audenshaw ...	Hookey Hill Ind. Church, Bridge Street	Monday, 2.30—4	Dr. Cronk	Miss Dickinson
Barrowford ...	Congregational Sunday School, Hill Top	Thursday, 2—4	Dr. Corbett	Miss Wright
Bamber Bridge (Walton-le-Dale)	Conservative Club, Cranborne Road	Thursday, 2—4	Dr. Johnstone	Miss Canton
Briercliffe (Burnley, R.)	Tennyson Street Mission Hall	Alternate Wednesdays, 2.30—4	Dr. Corbett	Miss Wright
Burtonwood (Warrington, R.)	Church Hall, Burtonwood	Tuesday, 10—12	Dr. Wright	Mrs. Birchall
Church ...	Baptist Sunday School, Ernest Street	Thursday, 2—4	Dr. Holroyd	Mrs. Beckett
Clifton (Barton-upon- Irwell, R.)	Mutual Benefit Library, Rake Lane	Wednesday, 2.30—4.30	Dr. Davidson	Miss Lydall

District.	Address of Child Welfare Centre.	Day and Time Open.	Medical Officer.	Nurse.
Coppull (Chorley, R.)	Wesleyan Sunday School, Chapel St.	Thursday, 2—4	Dr. Johnstone	Mrs. McTaggart
Dalton-in-Furness	Carnegie Library	Thursday, 2—4	Dr. Tomb	Miss Proctor
Davyhulme (Barton-upon-Irwell, R.)	Council Offices, Crofts Bank Road	Monday, 2-30—4	Dr. Davidson	Mrs. Chambers
Droylsden	Wesleyan Schools, Manchester Road	Tuesday, 2-30—4	Dr. Cronk	Mrs. Hutchinson
Feniscowles (Blackburn, R.)	Mission Hall, Preston Old Road	Tuesday, 2—4	Dr. Holroyd	Mrs. Palin
Fleetwood	(1) Wesleyan Meth. Sunday School, North Church Street	Tuesday, 2—4	Dr. Batty	Mrs. Dewhurst
"	(2) Elm Street Mission Hall	Wednesday, 2—4	Dr. Batty	Miss Knowles
Flixton (Barton-upon-Irwell, R.)	The Institute, Flixton Road	Tuesday, 2-30—4	Dr. Davidson	Mrs. Chambers
Haydock	Wesley Sunday School, Clipsley Lane	Wednesday, 3—5	Dr. Wright	Miss Steele
Kearsley	New Jerusalem School, Greenwood St.	Thursday, 2—4	Dr. Jagger	Miss Lydall
Kirkham(a)	Special Subjects Centre—Kirkham and Wesham C. School	Thursday, 2—4	Dr. Batty	Miss Smith

District.	Address of Child Welfare Centre.	Day and Time Open.	Medical Officer.	Nurse.
Leyland	(1) Bradshaw Street Mission Room	Alternate Wednesdays, 2—4	Dr. Wray	Miss Rigby
"	(2) Congregational Schools, Quin St.	Thursday, 2-30—4	Dr. Wray	Miss Rigby
Little Lever	Church House Institute	Tuesday, 2-30—4	Dr. Jagger	Miss Wellard
Littleborough...	3, Todmorden Road	Wednesday, 2—4	Dr. Topping	Miss Beach
Longridge	Drill Hall	Alternate Tuesdays, 2—4	Dr. Wray	Mrs. Hoey
Litherland	32, Linacre Road	Tuesday, 2—4	Dr. Barker	Miss Robinson Miss Shaw
Morecambe (B.)	West End Wesleyan Sunday School...	Monday, 2—4	Dr. Tomb	Miss Menzies
Ormskirk	Church House, Church Street	Tuesday, 2—4	Dr. Scholefield	Miss Dickinson
Prescot	Parish Rooms, Warrington Road	2nd and 4th Mondays and Tuesday, 2—4	Dr. Brook	Miss Walters Miss Hughes
Skelmersdale	Congregational Schools, Witham St.	Wednesday, 11—1	Dr. Brook	Miss Fry
Thornton	Prim. Meth. Sunday School, Fleet- wood Road	Thursday, 2—4	Dr. Batty	Mrs. Dewhurst

District.	Address of Child Welfare Centre.	Day and Time Open.	Medical Officer.	Nurse.
Tottington ...	Council Offices ...	Wednesday, 2-30—4 ...	Dr. Hutchinson ...	Mrs. Hilton
Ulverston ...	Ratton Row Mission Hall ...	Tuesday, 2—4 ...	Dr. Tomb ...	Miss Holmes
Urmston ...	Co-operative Hall, Higher Road ...	Tuesday, 2—4 ...	Dr. Scholefield ...	Miss Lawley
Walkden (Worsley) ...	Town Hall, Walkden ...	Thursday, 2-30—4 ...	Dr. Scholefield ...	Miss Murphy
Waterloo (Limehurst R.)	United Methodist Sunday School ...	Alternate Thursdays, 2—4	Dr. Cronk ...	Mrs. Stringer
Whitefield ...	" Uplands " ...	Tuesday, 2-30—4 ...	Dr. Hutchinson ...	Mrs. Tregarthen
Whitworth ...	Registry Office, Station Road, Facit ...	Thursday, 2-45—4 ...	Dr. Forbes ...	Miss Rochell

(a) Centre opened 30th October, 1924.

At Brinscall (Withnell) a Child Welfare Centre has been provided by voluntary effort.

COUNTY BRANCH CENTRES FOR SUPPLY OF DRIED MILKS.

District.	Address of Centre.	Day and Time Open.	Nurse.
Bromley Cross (Turton)	Council Offices ...	Tuesday, 2—4	Miss A. Lynch
Clayton-le-Moors	Council Offices ...	Monday, 2—4	Mrs. S. Gray
Great Crosby	57, York Avenue	Wednesday, 2—4	Miss M. C. Williams
Lathom and Burscough	Council Offices ...	Friday, 10—11	Miss H. Dickinson
Rishton	Council Offices ...	Monday, 12—2	Mrs. M. R. Beckett

TABLE AT THE CHILD WELFARE CENTRE
BIRMINGHAM 1913

Name		Age		Sex		Race		Religion		Profession		Address		Notes	
1		2		3		4		5		6		7		8	
1		2		3		4		5		6		7		8	
1		2		3		4		5		6		7		8	
1		2		3		4		5		6		7		8	
1		2		3		4		5		6		7		8	
1		2		3		4		5		6		7		8	
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1		2		3		4		5		6		7		8	
1		2		3		4		5		6		7		8	
1		2		3		4		5		6		7		8	
1		2		3		4		5		6					

ADMINISTRATIVE COUNTY OF LANCASTER.

TABLE D.—SUMMARY OF SALES OF DRIED MILKS, &c., AT THE CHILD WELFARE CENTRES DURING THE YEAR ENDED 31ST DECEMBER, 1924.

Foodstuffs, &c.	Stock during year.		Disposed of								Stock on hand 31st December, 1924.	
			At Cost Price or Over.			At Less than Cost Price.			Free.			
	lbs.	Cost.	lbs.	Amount Received.	Profit.	lbs.	Amount Received.	Loss.	lbs.	Loss.	lbs.	Cost.
Glaxo	39977	£ s. d. 3020 14 2	25412	£ s. d. 2116 18 10	£ s. d. 307 8 6	767	£ s. d. *66 1 7	£ s. d. 29 6 1	10680	£ s. d. 855 19 6	3118	£ s. d. 259 16 8
Cow and Gate ...	19983	1500 18 8	10163	845 7 4	159 4 2	786	33 3 1	32 5 9	7931	658 1 10	1103	91 4 10
Virol	7312½	731 5 0	5394	539 8 0	...	43	2 3 0	2 3 0	868½	86 17 0	1007	100 14 0
Cod Liver Oil & Malt	4553	179 0 9	2304	107 8 10	34 4 5	53	1 6 8½	1 2 7½	1749	82 17 3	447	20 9 9
Horlick's Malted Milk	5047	638 8 1	3646	470 18 10	13 10 0	5	0 7 6	0 5 5	637	82 5 7	759	98 0 9
Cod Liver Oil Emul....	245	16 7 0	213	15 9 0	1 10 0	...	...	...	...	...	32	2 8 0
Lactagol	377	22 3 9	166	11 0 4	2 11 6	13	0 15 1	0 5 2	139	8 16 4	59	3 18 4
Robinson's Groats ...	14	0 15 2	2	0 1 7	...	12	0 6 0	0 7 7	...	...	...	...
Vitamine Malt ...	112	5 8 8	90	5 5 0	1 2 0	...	...	...	4	0 4 8	18	1 1 0
Virolax	72	3 0 0	1	0 1 0	0 6 1	...	...	...	...	...	71	3 5 1
Lactovæ	672	42 9 0	210	15 2 10	5 17 0	33	1 4 1	1 4 1	309	21 16 10	120	8 18 2
Humanised Milk ...	28	3 0 8	...	...	...	...	...	...	...	...	28	3 0 8
Secwa Whey	44	2 7 8	...	...	...	...	...	...	...	...	44	2 7 8
Feeding Utensils ...	176	4 5 4	140	2 16 4	...	...	...	...	8	0 12 5	28	0 16 7
Totals ...	78612½	6170 3 11	47741	4129 17 11	525 13 8	1712	105 7 0½	66 19 8½	22325½	1797 11 5	6834	596 1 6

* Includes £33 3s. 3d. rebate granted by Messrs. J. Nathan & Co., Ltd., in respect of Glaxo given free during the period 1st January to 31st March, 1924.

No. of Stations		No. of Stations		No. of Stations		No. of Stations	
1911		1912		1913		1914	
Station	Value	Station	Value	Station	Value	Station	Value
1	100	1	100	1	100	1	100
2	100	2	100	2	100	2	100
3	100	3	100	3	100	3	100
4	100	4	100	4	100	4	100
5	100	5	100	5	100	5	100
6	100	6	100	6	100	6	100
7	100	7	100	7	100	7	100
8	100	8	100	8	100	8	100
9	100	9	100	9	100	9	100
10	100	10	100	10	100	10	100
11	100	11	100	11	100	11	100
12	100	12	100	12	100	12	100
13	100	13	100	13	100	13	100
14	100	14	100	14	100	14	100
15	100	15	100	15	100	15	100
16	100	16	100	16	100	16	100
17	100	17	100	17	100	17	100
18	100	18	100	18	100	18	100
19	100	19	100	19	100	19	100
20	100	20	100	20	100	20	100
21	100	21	100	21	100	21	100
22	100	22	100	22	100	22	100
23	100	23	100	23	100	23	100
24	100	24	100	24	100	24	100
25	100	25	100	25	100	25	100
26	100	26	100	26	100	26	100
27	100	27	100	27	100	27	100
28	100	28	100	28	100	28	100
29	100	29	100	29	100	29	100
30	100	30	100	30	100	30	100

THE ABOVE TABLES SHOW THE RESULTS OF THE SURVEY OF THE
 RAILROADS OF THE UNITED STATES FOR THE YEAR 1914

ADMINISTRATIVE COUNTY OF LANCASTER.

TABLE C.—SUMMARY OF ATTENDANCES, &c., AT CHILD WELFARE CENTRES DURING THE TWELVE MONTHS ENDED 31st DECEMBER, 1924, TOGETHER WITH THE NUMBER OF BIRTHS NOTIFIED DURING THAT PERIOD.

Name of Child Welfare Centre.	No. of times open.	No. of Births Notified during the 12 months.	No. of Individual Children Attending.			No. of Attendances by Children.			No. of Attendances by Expectant Mothers.		No. of Attendances by other Women.	
			Under 1 year.	From 1-2 years.	Over 2 years.	Under 1 year.	From 1-2 years.	Over 2 years.	No. of Individual Expectant Mothers Attending.	No. of Actual Attendances.	No. of Individual Women Attending.	No. of Actual Attendances.
Adlington	47	71	89	61	73	1022	807	948	21	188	19	203
Aspull	48	175	115	37	17	1107	375	57	7	11	15	22
Audenshaw	49	116	130	80	58	1462	689	371	1	3	...	...
Bamber Bridge	48	83	132	95	101	986	517	825	23	161	56	267
Barrowford	48	63	69	33	44	432	112	140	3	20	36	97
Briercliffe	24	34	28	12	15	167	50	96	1	2	7	8
Burtonwood	48	54	42	24	17	322	151	60	6	15	23	109
Church	47	96	150	82	102	1267	574	514	11	50	30	64
Clifton	46	33	43	23	13	594	260	85	1	4	4	28
Coppull	46	100	89	74	51	961	614	595	12	62	39	305
Dalton-in-Furness	48	154	199	170	180	1296	1100	1069	56	300	...	...
Davyhulme	45	12	13	10	11	124	51	83	1	5	5	27
Droylsden	49	239	273	111	40	3286	760	347	18	95	13	228
Feniscowles	49	15	35	29	37	343	181	238	6	40	16	32
Fleetwood (N. Ch. St.)	48	444	{ 145 220	49	81	1326	283	493	12	45	35	128
„ (Elm St.)	48			92	103	1628	538	540	22	90	55	104
Flixton	45	90	88	16	27	1083	116	202	7	57	32	172
Haydock	47	373	178	49	25	1153	281	74	18	82	3	8
Kearsley	48	181	191	59	24	1391	258	74	5	17	12	20
Kirkham	8	79	41	20	16	98	38	28	2	4	5	10
Leyland (Brad. St.)	23	152	{ 13 66	10	15	103	71	182	4	13	9	133
„ (Quin St.)	45			31	57	729	412	1117	3	17	41	233

TABLE C—Continued.

Name of Child Welfare Centre.	No. of times open.	No. of Births Notified during the 12 months.	No. of Individual Children Attending.			No. of Attendances by Children.			No. of Attendances by Expectant Mothers.		No. of Attendances by other Women.	
			Under 1 year.	From 1-2 years.	Over 2 years.	Under 1 year.	From 1-2 years.	Over 2 years.	No. of Individual Expectant Mothers Attending.	No. of Actual Attendances.	No. of Individual Women Attending.	No. of Actual Attendances.
Litherland	49	301	203	68	97	1456	236	230	24	65	49	387
Littleborough	48	138	144	82	114	1184	456	581	16	60	12	35
Little Lever	49	80	115	36	38	916	163	164	11	29	31	44
Longridge	23	75	61	34	18	312	197	121	4	27	2	28
Morecambe	48	186	169	82	88	1050	335	302	19	49	13	30
Ormskirk	48	186	111	66	67	1234	680	681	22	132	7	47
Prescot	72	203	233	96	96	1328	338	260	33	93	10	60
Skelmersdale	48	115	108	57	53	1044	384	362	9	55	46	378
Thornton	46	131	69	40	72	548	311	518	7	15	51	117
Tottington	47	105	79	31	34	547	92	86	4	24	1	1
Ulverston	49	182	158	152	166	1533	1462	1700	37	241	8	40
Urmston	48	59	78	45	43	922	261	261	7	28	22	35
Walkden	48	113	165	56	22	1797	368	43	...	...	...	...
Waterloo... ..	26	46	84	21	2	491	141	15	...	...	...	...
Whitefield	43	94	174	65	45	962	340	189	1	2	...	...
Whitworth	48	107	90	44	38	571	205	140	16	68	...	...

The centres at Davyhulme, Flixton, and Whitefield were closed during the month of August.

The Kirkham Centre was opened on 30th October, 1924.

ATTENDANCES AT COUNTY CHILD WELFARE CENTRES.—

Table " C " here inserted is a summary of attendances at the County Child Welfare Centres during the year 1924.

SUPPLY OF MILK, &c.—Table " D " is a statement showing the total sales of dried milk, &c., at the County Council Child Welfare Centres during the year ended 31st December, 1924.

On page 34 is a statement with regard to milk, &c., supplied by the County Council to necessitous cases during the year under report :—

STATEMENT WITH REGARD TO THE SUPPLY OF MILK, ETC., BY THE COUNTY COUNCIL
TO NECESSITOUS CASES DURING THE YEAR ENDED 31ST DECEMBER, 1924.

FOOD SUPPLIED.	OLD CASES.			NEW CASES.			TOTAL OF OLD AND NEW CASES.		
	No. of Cases.	Quantity Supplied.	No. of Cases.	Quantity Supplied.	No. of Cases.	Quantity Supplied.	No. of Cases.	Quantity Supplied.	Free of Cost.
Fresh Milk ...	1,178	185,193 pints	1,254	287,440 pints	180	30,126 pints	2,252	442,507 pints	
Glaxo ...	155	3,816 lbs.	265	7,534 lbs.	29	687 lbs.	391	10,663 lbs.	
Cow and Gate ...	83	2,963 lbs.	101	5,708 lbs.	14	785 lbs.	170	7,886 lbs.	
Virol ...	24	260 lbs.	82	649½ lbs.	6	38 lbs.	100	871½ lbs.	
Cod Liver Oil and Malt	29	606 lbs.	97	1,174 lbs.	6	43 lbs.	120	1,737 lbs.	
Horlick's Malted Milk ...	11	169 botts.	41	473 botts.	2	5 botts.	50	637 botts.	
Lactagol ...	1	33 tins	10	108 tins	1	2 tins.	10	139 tins.	
Vitamine Malt ...	1	4 lbs.	...	...	...	...	1	4 lbs.	
Lactovæ ...	...	...	30	342 lbs.	4	33 lbs.	26	309 lbs.	

NOTE.—By "Old" case is meant one which has been granted prior to January, 1924.
By "New" case is meant one which has been granted during the year, 1924.

Nursing Arrangements, &c.—The Form issued by the Ministry of Health to be supplied by local Medical Officers of Health with their Annual Reports contains questions with regard to local nursing arrangements, hospital accommodation for maternity cases, children, &c. From the replies given it appears that in 74 County districts some arrangements have been made for professional nursing in the home for "general" cases, and in 26 districts for the nursing of cases of "infectious diseases." In only a few districts (apart from the Poor Law Institutions) has provision been made for unmarried mothers, or for the nursing of maternity cases.

Day nurseries have been provided at Morecambe by the Borough Council, and at Leyland by the County Council.

In almost every County district ambulance facilities are available, both for infectious cases and for non-infectious and accident cases; in 86 districts motor vehicles are in use.

The Principal Infectious Diseases.—For purposes of statistical records the table below gives the death-rates from the principal infectious diseases for the Administrative County during the year 1924, and also the rates for the preceding ten years :—

YEAR.	Annual Death-rate per 1,000 of the population.						
	Smallpox.	Measles.	Scarlet fever.	Diphtheria	Whooping cough.	Enteric fever.	* Diarrhœa, &c
1914	nil.	0·28	0·09	0·13	0·18	0·07	0·48
1915	nil.	0·49	0·08	0·14	0·20	0·07	0·52
1916	0·003	0·17	0·06	0·15	0·14	0·05	*0·27
1917	nil.	0·27	0·03	0·13	0·11	0·04	*0·18
1918	nil.	0·20	0·03	0·15	0·31	0·05	*0·19
1919	nil.	0·07	0·04	0·13	0·05	0·02	*0·16
1920	0·0005	0·19	0·03	0·11	0·09	0·03	*0·25
1921	nil.	0·04	0·03	0·09	0·15	0·02	*0·27
1922	0·0005	0·20	0·05	0·08	0·12	0·02	*0·13
1923	nil.	0·07	0·03	0·05	0·11	0·02	*0·12
County Average 10 years.	0·0004	0·19	0·04	0·11	0·14	0·03	0·25
1924							
COUNTY	nil.	0·14	0·02	0·05	0·13	0·01	*0·13
Urban... ..	nil.	0·16	0·02	0·05	0·10	0·01	*0·14
Rural... ..	nil.	0·05	0·01	0·04	0·06	0·02	*0·05

* Since 1916 the "diarrhœa" death-rate includes deaths from diarrhœa, &c., under two years of age only. Including the total diarrhœa deaths at all ages the County diarrhœa death-rate in 1924 was 0·19; in 1923 this rate was 0·18.

The following table compares the number of deaths in the year 1924 with 1923, and also shows the number of notified cases during the two years :—

			Smallpox.	Measles.	Scarlet fever.	Diphtheria.	Whooping cough.	Enteric fever.	*Diarrhoea (under 2 years of age).
Deaths :—									
1923...	...	...	...	131	58	96	208	38	*218
1924	...	...	...	263	42	93	184	29	*234
Increase or decrease in 1924	...	...	...	+132	-16	-3	-24	-9	+16
Notified cases :—									
1923...	...	...	77	†	4346	1209	†	142	†
1924	...	...	102	†	3399	1199	†	234	†
Increase or decrease in 1924	...	...	+25	...	-947	-10	...	+92	...

* The *total* diarrhoea deaths in the Administrative County *at all ages* in 1924 numbered 343, or 17 more than in 1923. † Not notifiable.

The following statement compares the notifications, deaths, and death-rates of the year 1924 with 31 years ago :—

	Small-pox.	Measles	Scarlet fever	Diphtheria	Whooping cough	Enteric fever	Diarrhoea (All ages).
Case notifications—							
1893	1038	...	8431	1299	...	2620	...
1924	102	...	3399	1199	...	234	...
No. of deaths—							
1893	84	1069	595	529	472	495	2207
1924	nil	263	42	93	184	29	343
Death-rate per 1,000—							
1893	0·04	0·58	0·32	0·13	0·25	0·27	1·21
1924	nil	0·14	0·02	0·05	0·13	0·01	0·19

Smallpox.—The yearly incidence of this disease since 1890 in the County area is shown below :—

Year.	Cases Notified.	Deaths.	Year.	Cases Notified.	Deaths.
1890.....	1	0	1907.....	13	1
1891.....	2	0	1908.....	2	1
1892.....	612	70	1909.....	7	0
1893.....	1038	84	1910.....	23	0
1894.....	259	25	1911.....	21	0
1895.....	100	19	1912.....	1	0
1896.....	83	10	1913.....	10	0
1897.....	3	0	1914.....	14	0
1898.....	6	1	1915.....	3	0
1899.....	16	1	1916.....	46	6
1900.....	59	3	1917.....	0	0
1901.....	6	0	1918.....	1	0
1902.....	436	22	1919.....	4	0
1903.....	1156	68	1920.....	83	1
1904.....	422	22	1921.....	0	0
1905.....	255	6	1922.....	11	1
1906.....	233	0	1923.....	77	0
		1924.....	102	0	

The 102 cases *notified* as smallpox in the year under review were distributed as follows :—

Ashton-under-Lyne (B.) ...	...	...	77 cases.
Hurst ...	...	...	19 „
Audenshaw... ..	...	...	3 „
Denton	...	...	1 case.
Limehurst (R.) ...	...	...	1 „
Eccles (B.)	...	...	1 „

The County staff co-operated with the local authorities in dealing with the smallpox outbreaks, which, with the exception of the case at Eccles, all occurred in the neighbourhood of Ashton-under-Lyne.

The condition as to vaccination of the persons attacked is shown below :—

Unvaccinated	...	...	...	82
Vaccinated in infancy	...	...	...	20*

* The ages of the persons said to have been vaccinated in infancy ranged from 19 to 71 years.

Measles.—The deaths from measles in 1924 were considerably in excess of the 1923 fatalities, viz., 263 against 131, but they were 91 fewer than in the year 1922.

The ages at death in 1924 were :—

Under 1 year	...	...	...	58, or 22·0 per cent.
Between 1 year and 5 years	...	...	...	179, or 68·0 per cent.
Five years and upwards	...	...	...	26, or 9·8 per cent.

The death-rate from measles per 1,000 of the population was :—

County, year 1924	...	...	...	0·14
Urban districts	...	...	...	0·16
Rural districts	...	...	...	0·05
County, 10 years' average 1914-23	...	...	...	0·19
England and Wales, 1924	...	...	...	0·12

The deaths were most numerous in Ince-in-Makerfield 32, corresponding to a death-rate of 1·30 per 1,000 of the population; Orrell, 8 deaths, rate 1·12; Droylsden 9 deaths, rate 0·64; and Newton-in-Makerfield 10 deaths, rate 0·50.

Schools were closed in 40 districts owing to the prevalence of measles.

Scarlet Fever.—The number of cases of scarlet fever notified in 1924 showed a marked reduction on comparison with the preceding two years, viz., 3,399 against 4,346 and 5,631, and the case mortality also was more favourable.

Below are the scarlet fever notifications and deaths during the last five years :—

		Cases notified.		Deaths.		Case mortality.
1920	.....	4,831	.....	53	.....	1·09
1921	.....	5,557	.....	61	.....	1·09
1922	.....	5,631	.....	89	.....	1·58
1923	.....	4,346	.....	58	.....	1·33
1924	.....	3,399	.....	42	.....	1·23

The mortality rates were :—

County, year 1924	...	...	...	0·02
Urban districts	...	...	...	0·02
Rural districts	...	...	...	0·01
County, 10 years' average 1914-23	...	...	...	0·04
England and Wales, 1924	...	...	...	0·02

Of the total deaths from scarlet fever, 52·3 per cent. were amongst children under the age of five years.

The notifications were most numerous in Widnes (B.) 320 (6 deaths), Ashton-under-Lyne (B.) 141 (3 deaths), Heywood (B.) 139 (1 death), Leigh (B.) 133 (3 deaths), Stretford 120 (2 deaths), Waterloo-with-Seaforth 91, Atherton 80, Lancaster (B.) 79, Leigh (R.) 75 (1 death), Litherland 74 (3 deaths), and Swinton and Pendlebury 71. In December a milk-borne outbreak occurred in Heywood (B.).

Fifty-seven per cent. of the total scarlet fever cases in the County were isolated in hospital; in 13 districts all the cases notified were removed, and in 21 other districts more than 80 per cent. received hospital treatment.

Schools were closed in five districts.

Whooping Cough.—This disease in 1924 gave rise to 184 deaths, against 208 in the year 1923 and 217 in 1922.

The ages at death were :—

Under 1 year	...	...	88, or 47·8 per cent.
Between 1 year and 5 years	...	...	94, or 51·0 per cent.
Five years and upwards	...	...	2, or 1·0 per cent.

The mortality rates were :—

County, year 1924	...	...	...	0·13
Urban districts	...	...	...	0·10
Rural districts	...	...	...	0·06
County, 10 years' average 1914-23	...	...	...	0·14
England and Wales, 1924	...	...	...	0·10

In Farnworth there were 16 deaths, Widnes (B.) 12, Eccles (B.) 11, Ashton-in-Makerfield 10, and Swinton and Pendlebury 9.

School closure took place in six districts.

Diphtheria.—The gradual reduction in the number of diphtheria notifications continued, as will be seen from the following table :—

		Cases notified.		Deaths.		Case mortality.
1920	...	2,120	...	202	...	9·5
1921	...	1,924	...	166	...	8·6
1922	...	1,569	...	147	...	9·3
1923	...	1,209	...	96	...	7·9
1924	...	1,199	...	93	...	7·7

The mortality rates were :—

County, year 1924	...	...	...	0·05
Urban districts	...	...	...	0·05
Rural districts	...	...	...	0·04
County, 10 years' average 1914-23	...	...	...	0·14
England and Wales, 1924	...	...	...	0·06

Of the total fatalities from diphtheria, 59·2 per cent. were of children under five years of age.

The incidence was most marked in Widnes (B.), 152 cases, 18 deaths ; Ashton-in-Makerfield, 48 cases ; Atherton, 43 cases, 1 death ; Lancaster (B.), 41 cases, 2 deaths ; Failsworth, 37 cases, 2 deaths ; Chadderton, 35 cases, 2 deaths ; and Clitheroe (B.), 35 cases, 1 death.

Of the total cases notified, 57·6 per cent were removed to hospital, and the case mortality was 5·35 per cent. ; of cases treated at home, 11·22 per cent. died.

From 77 districts 2,033 swabs were sent for examination. Schools were closed owing to diphtheria in two districts.

Enteric Fever.—The incidence of enteric fever in the County since 1898 is shown in the following table :—

	Cases.	Deaths.		Cases.	Deaths.
1898	... 2661	... 478	1911	... 1091	... 220
1899	... 2674	... 457	1912	... 620	... 147
1900	... 2183	... 399	1913	... 875	... 180
1901	... 2094	... 364	1914	... 650	... 123
1902	... 1747	... 297	1915	... 530	... 127
1903	... 1479	... 277	1916	... 387	... 94
1904	... 1235	... 233	1917	... 302	... 74
1905	... 1335	... 255	1918	... 319	... 91
1906	... 1248	... 252	1919	... 152	... 35
1907	... 859	... 164	1920	... 183	... 52
1908	... 1219	... 224	1921	... 204	... 42
1909	... 994	... 192	1922	... 126	... 38
1910	... 1016	... 193	1923	... 142	... 38
	1924	... 234	...	29	

The attack rate per 1,000 of the population in 1924 was 0·13, against 0·08 in 1923 ; three decades ago this rate was no less than 1·41 per 1,000.

The enteric fever mortality rates were as follow :—

County, year 1924	... ..	0·01 per 1,000
Urban districts	... ..	0·01 „
Rural districts	... ..	0·02 „
County, 10 years' average, 1914-23		0·03 „
England and Wales, 1924	... ..	0·01 „
County case mortality, 1924	...	12·3 per cent.

Sixty-six per cent. of the persons attacked in 1924 were removed to hospital, and the mortality in these cases equalled 7.0 per cent. In the cases treated at home, the mortality was 23.1 per cent.

Blood specimens submitted for bacteriological examination from 66 districts numbered 337.

An outbreak of para-typhoid fever, resulting in 52 cases with 2 deaths, occurred in Chorley (B.), caused by milk derived from a farm in the Chorley Rural District.

Diarrhœa, &c.—The following deaths and death-rates were ascribed to this cause :—

	Deaths.	County.	Death-rates per 1,000.			
			Urban districts.		Rural districts.	
At <i>all</i> ages ...	... 343	0.19	...	0.20	...	0.13
Under 2 years of age	234	0.13	...	0.14	...	0.05

There was an increase of 17 in the number of deaths at all ages as compared with the year 1923, but the total was 60 fewer than in 1922.

The 234 deaths in the County area from diarrhœa of children under two years of age corresponded to 7.92 per 1,000 births registered against a rate of 7.3 per 1,000 for the whole of England and Wales.

The diarrhœa mortality rates were highest in Adlington 0.65, Aspall 0.60, Barrowford 0.53, and Ince-in-Makerfield 0.52.

Poliomyelitis, Polio-encephalitis, Encephalitis Lethargica, Meningococcal Meningitis (Cerebro-Spinal Fever).—The reported incidence of these diseases is shown below :—

	Polio- myelitis.	Polio- encephal- itis.	Encephal- itis lethargica.	Meningo- coccal meningitis (cerebro- spinal fever).
*Cases notified—				
1923	23	2	61	11
1924	20	—	299	18
*Attack rate in 1924 per 1,000 of popula- tion	0·011	nil.	0·167	0·010
*Deaths—				
1923	3	2	37	12
1924	5	—	103	15
Distribution (1924)—	C. D.	C. D.	C. D.	C. D.
Urban districts	17 5	— —	272 94	17 14
Rural districts ...	3 —	— —	27 9	1 1
Seasonal incidence (1924)—				
Cases—1st quarter	2	—	138	9
2nd „ ...	5	—	89	7
3rd „ ...	7	—	33	2
4th „ ...	6	—	39	—

* Notification of these diseases cannot yet be considered complete, as an examination of the County death returns in 1924 shows the following deaths of cases in respect of which no notifications had been received: cerebro-spinal fever 5, poliomyelitis 2, and encephalitis lethargica 1.

There was a marked increase in 1924 in the number of cases of encephalitis lethargica, viz., 299 against 61 in the

previous year, and 17 in 1922. The fatalities rose from 16 in 1922, and 37 in 1923, to 103 in 1924.

Seventy-five per cent. of the notified cases occurred in the first half of the year. Cases were reported during the year from 83 of the County districts ; Stretford had 18 cases, Farnworth and Haslingden (B.) each 14, Failsworth 12, Ashton-under-Lyne (B.), Eccles (B.) and Radcliffe each 11 cases, and Middleton (B.) 10 cases.

The tabular statement below shows the seasonal incidence of the disease since 1919 :—

Year.	1919.	1920.	1921.	1922.	1923.	1924.
1st quarter ...	12 ...	5 ...	46 ...	3 ...	22 ...	138
2nd „ ...	8 ...	13 ...	16 ...	6 ...	21 ...	89
3rd „ ...	1 ...	5 ...	9 ...	4 ...	11 ...	33
4th „ ...	5 ...	9 ...	8 ...	4 ...	7 ...	39
Total cases ...	26	32	79	17	61	299
Total deaths	13	13	46	16	37	103

The increased prevalence of encephalitis lethargica was the subject of a Circular issued by the Ministry of Health, and this was accompanied by a revised edition of the Ministry's Memorandum 45/Med. The Ministry also issued a Note on the early diagnosis of acute poliomyelitis.

Ophthalmia Neonatorum.—Under “The Public Health (Ophthalmia Neonatorum) Regulations, 1914,” the following cases were notified :—

1920	...	...	...	...	457
1921	...	...	...	...	263
1922	...	...	...	...	237
1923	...	...	...	...	210
1924	...	...	...	...	152

The statement below is collated from information supplied by local Medical Officers of Health in their annual reports :—

CASES.			Vision unimpaired.	Vision impaired.	Total blindness.	Deaths.
Number notified.	Treated at home.	Treated at hospital.				
152	127	25	126	5	...	3

(These details are incomplete).

Further reference is made to this disease in connection with the work carried out under the Midwives Acts, page 94.

Influenza.—There was a considerable increase in the number of deaths in 1924 due to influenza, viz., 975, against 670 in 1923.

The deaths due to this disease during the last seven years are set out below :—

1918 ...	...	4492	1922 ...	...	1061
1919 ...	...	2463	1923 ...	...	670
1920 ...	...	558	1924 ...	...	975
1921 ...	...	412			

The County influenza death-rate in 1924 was equal to 0·54 per 1,000 of the population, against 0·37 in 1923.

Forty-five per cent. of the total fatalities occurred in the months of March and April, the months of February and May coming next in point of incidence.

Schools were closed in seven districts.

Pneumonia.—There was an upward tendency in 1924, as compared with the previous year, both as regards the

number of cases notified under the Public Health (Pneumonia, &c.) Regulations, and the deaths registered as due to pneumonia :—

	Cases notified :			Mortality :		
	Acute primary pneumonia and acute influenzal pneumonia.			Total deaths pneumonia, all forms.	Death rate per 1,000.	
1919	...	2,915	...	1,940	...	1·16
1920	...	2,420	...	1,815	...	1·04
1921	...	2,061	...	1,639	...	0·93
1922	...	3,123	...	2,014	...	1·14
1923	...	3,239	...	1,848	...	1·04
1924	...	3,626	...	1,877	...	1·05

The 1,877 deaths attributed to pneumonia represented 8·39 per cent. of the total deaths in the County.

The death-rate per 1,000 of the population in the urban districts was 1·07, and 0·89 in the rural districts.

Bronchitis.—The deaths in 1924, ascribed as due to bronchitis numbered 2,017, an increase of 49 on the 1923 fatalities. These deaths amounted to 9·02 per cent. of the total deaths from all causes. The County death-rate was 1·13 per 1,000 of the population, urban districts 1·15, rural districts 1·0.

Malaria and Dysentery.—Thirteen cases of malaria and 33 cases of dysentery were notified. In 1923 these totals were 14 and 77 respectively.

Heart Disease.—Deaths assigned to “heart disease” numbered 2,776, or 12·4 per cent. of the total deaths, an increase of 69 deaths as compared with the year 1923. The County death-rate equalled 1·55 per 1,000 of the population.

Cancer, Malignant Disease.—The number of deaths registered as due to cancer again shows an increase on the preceding year, and the County total for 1924 is the highest on record.

Year.	Administrative County.		England and Wales
	No. of Deaths.	Death-rate per 1,000.	Death-rate per 1,000.
1914	1,668	0.95	1.06
1915	1,577	0.94	1.12
1916	1,728	1.06	1.16
1917	1,713	1.09	1.21
1918	1,727	1.12	1.21
1919	1,793	1.07	1.14
1920	1,880	1.08	1.16
1921	1,981	1.12	1.21
1922	2,063	1.16	1.22
1923	2,076	1.17	1.26
Average 1914-1923	1,820	1.07	1.17
1924	2,182 Males .. 1,022 Females 1,160	1.22	1.30

The 2,182 deaths represent 9.7 per cent. of the total County deaths. The urban district death rate is 1.22 per 1,000, and the rural rate 1.19.

The following table groups the cancer deaths in the County in certain age periods, both for males and females:—

Year.	Total Cancer Deaths.	Sex.	Years.			
			Under 25.	25—45.	45—65	65 and upwards
1916	1,728	M.	7	51	393	266
		F.	10	120	523	358
1917	1,713	M.	9	64	379	277
		F.	8	116	541	319
1918	1,727	M.	8	39	413	302
		F.	10	127	504	324
1919	1,793	M.	6	62	416	290
		F.	6	123	539	351
1920	1,880	M.	8	69	463	287
		F.	5	113	543	392
1921	1,981	M.	16	65	453	317
		F.	4	132	566	428
1922	2,063	M.	15	48	519	331
		F.	10	120	559	461
1923	2,076	M.	15	47	458	382
		F.	10	103	572	489
1924	2,182	M.	15	53	543	411
		F.	6	125	591	438

MEMORANDA ON CANCER.—During the year 1924 the Ministry of Health issued three additional Circulars, viz., Nos. 476, 496 and 516, on Cancer: (ii) On the effects of radium and X-Ray upon normal and cancerous tissues, (iii.) on

Cancer of the breast : the results of treatment by operation, and (iv.) On Experimental Cancer Research. Circular No. 426, (i.) Memorandum on Cancer, was issued in August, 1923.

Tuberculosis of the Respiratory System.—PULMONARY TUBERCULOSIS.—The deaths in the Administrative County in the year 1924, allocated by the Registrar-General to “Tuberculosis of the Respiratory System,” numbered 1,215—males 643, females 572, as compared with 1,250 deaths in the year 1923—a decrease of 35 deaths.

The proportion of these deaths to total deaths from all causes was 5·43 per cent., against a percentage of 5·72 in the previous year. The percentage for the whole of England and Wales is given as 6·9.

The death-rate for the Administrative County from this disease was 0·68—urban districts 0·70 and rural districts 0·54 as compared with a County rate of 0·70 in 1923, and an average rate of 0·87 for the ten years 1914-1923. The death-rate for the whole of England and Wales in 1924 was equal to 0·84 per 1,000.

The total deaths ascribed to this cause and the mortality rate in the Administrative County in the year 1924 were the lowest on record.

The following table compares the County rates from “pulmonary tuberculosis” for 1924 with the ten preceding years, and also with the mortality for the whole of England and Wales :—

PULMONARY TUBERCULOSIS.

Year.	Administrative County of Lancaster.					England and Wales.	
	Total No. of deaths.	Death-rate per 1,000 of population.			Mortality per cent. of total deaths (County).	Death-rate.	Mortality per cent. of total deaths.
		County.	Urban.	Rural.			
1914	1,523	0.87	0.89	0.69	6.2	1.04	7.5
1915	1,614	0.96	1.01	0.70	6.3	1.16	7.4
1916	1,685	1.04	1.07	0.81	7.2	1.17	8.2
1917	1,584	1.00	1.03	0.84	7.2	1.25	8.7
1918	1,652	1.07	1.10	0.88	6.2	1.34	7.6
1919	1,339	0.80	0.81	0.75	5.7	0.99	7.3
1920	1,323	0.76	0.77	0.67	6.0	0.88	7.2
*1921	1,301	0.73	0.76	0.59	6.0	0.88	7.3
*1922	1,362	0.77	0.79	0.60	5.8	0.88	6.9
*1923	1,250	0.70	0.72	0.59	5.7	0.83	7.2
10 years' average	1,463	0.87	0.89	0.71	6.2	1.04	7.5
*1924	1,215	0.68	0.70	0.54	5.4	0.84	6.9

* Exclusive of deaths from acute miliary tuberculosis, which were formerly included under "pulmonary tuberculosis." As the County tuberculosis death-rate cannot be corrected in this respect for years prior to 1921, the rates here given for England and Wales for those years remain uncorrected.

In the year 1891, the County death-rate from "pulmonary tuberculosis" corresponded to 1.49 per 1,000 of the population, and grouped into ten years' periods the County death-rate was as follows :—

1894–1903 ... 1.10 per 1,000 of population.

1904–1913 ... 0.86 " "

1914–1923 ... 0.87 " "

Year 1924 ... 0.68 " "

The following districts had the highest pulmonary tuberculosis death-rates in 1924 :—Kirkham 1.57, Whitefield 1.53, Carnforth 1.21, Waterloo-with-Seaforth 1.16, Ulverston 1.10, Haydock 1.08, and Droylsden 1.06.

Covering a period of ten years, the highest average death-rates were attained in Dalton-in-Furness 1·35, Litherland 1·28, Wardle 1·27, Lancaster (B.) 1·26, Whitworth 1·24, Widnes (B.) 1·21, and Ormskirk 1·20.

The death-rate from "tuberculosis of the respiratory system" for each urban and rural district in the year 1924 is given in Table "B" inserted opposite page 16, and the 1924 district rates are compared with the year 1923 and with the ten years' averages on pages 111 to 151.

The following table shows the male and female deaths from this disease at various age periods during the last nine years :—

	At all Ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards
Males—									
1916 ...	900 ...	2 ...	6 ...	11 ...	28 ...	133 ...	392 ...	300 ...	28
1917 ...	827 ...	5 ...	7 ...	6 ...	21 ...	125 ...	380 ...	252 ...	31
1918 ...	844 ...	2 ...	7 ...	8 ...	31 ...	136 ...	370 ...	253 ...	37
1919 ...	675 ...	4 ...	4 ...	8 ...	20 ...	98 ...	286 ...	225 ...	30
1920 ...	729 ...	6 ...	2 ...	5 ...	21 ...	116 ...	292 ...	257 ...	30
1921 ...	682 ...	2 ...	0 ...	3 ...	15 ...	104 ...	302 ...	236 ...	20
1922 ...	754 ...	4 ...	4 ...	9 ...	15 ...	129 ...	295 ...	267 ...	31
1923 ...	704 ...	1 ...	4 ...	0 ...	13 ...	135 ...	293 ...	223 ...	35
1924 ...	643 ...	2 ...	3 ...	5 ...	20 ...	113 ...	258 ...	222 ...	20
Females—									
1916 ...	785 ...	3 ...	9 ...	11 ...	68 ...	180 ...	370 ...	129 ...	15
1917 ...	757 ...	4 ...	4 ...	11 ...	63 ...	196 ...	333 ...	133 ...	13
1918 ...	808 ...	2 ...	1 ...	4 ...	55 ...	215 ...	373 ...	139 ...	19
1919 ...	664 ...	2 ...	4 ...	8 ...	45 ...	167 ...	293 ...	118 ...	27
1920 ...	594 ...	2 ...	7 ...	5 ...	28 ...	166 ...	257 ...	114 ...	15
1921 ...	619 ...	2 ...	1 ...	2 ...	34 ...	156 ...	298 ...	110 ...	16
1922 ...	608 ...	2 ...	3 ...	4 ...	24 ...	189 ...	248 ...	112 ...	26
1923 ...	546 ...	1 ...	2 ...	8 ...	30 ...	165 ...	234 ...	91 ...	15
1924 ...	572 ...	3 ...	0 ...	5 ...	27 ...	187 ...	230 ...	105 ...	15

OTHER TUBERCULOUS DISEASES.—A decrease is also recorded in 1924, as compared with 1923, in the number of deaths classified as "other tuberculous diseases," viz., 339, against 412.

DURING THE FIFTY-THREE WEEKS

1870-71		1871-72		1872-73		1873-74		1874-75		1875-76		1876-77		1877-78		1878-79		1879-80		1880-81		1881-82		1882-83		1883-84		1884-85		1885-86		1886-87		1887-88		1888-89		1889-90		1890-91		1891-92		1892-93		1893-94		1894-95		1895-96		1896-97		1897-98		1898-99		1899-00		1900-01		1901-02		1902-03		1903-04		1904-05		1905-06		1906-07		1907-08		1908-09		1909-10		1910-11		1911-12		1912-13		1913-14		1914-15		1915-16		1916-17		1917-18		1918-19		1919-20		1920-21		1921-22		1922-23		1923-24		1924-25		1925-26		1926-27		1927-28		1928-29		1929-30		1930-31		1931-32		1932-33		1933-34		1934-35		1935-36		1936-37		1937-38		1938-39		1939-40		1940-41		1941-42		1942-43		1943-44		1944-45		1945-46		1946-47		1947-48		1948-49		1949-50		1950-51		1951-52		1952-53		1953-54		1954-55		1955-56		1956-57		1957-58		1958-59		1959-60		1960-61		1961-62		1962-63		1963-64		1964-65		1965-66		1966-67		1967-68		1968-69		1969-70		1970-71		1971-72		1972-73		1973-74		1974-75		1975-76		1976-77		1977-78		1978-79		1979-80		1980-81		1981-82		1982-83		1983-84		1984-85		1985-86		1986-87		1987-88		1988-89		1989-90		1990-91		1991-92		1992-93		1993-94		1994-95		1995-96		1996-97		1997-98		1998-99		1999-00		2000-01		2001-02		2002-03		2003-04		2004-05		2005-06		2006-07		2007-08		2008-09		2009-10		2010-11		2011-12		2012-13		2013-14		2014-15		2015-16		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31		2031-32		2032-33		2033-34		2034-35		2035-36		2036-37		2037-38		2038-39		2039-40		2040-41		2041-42		2042-43		2043-44		2044-45		2045-46		2046-47		2047-48		2048-49		2049-50		2050-51		2051-52		2052-53		2053-54		2054-55		2055-56		2056-57		2057-58		2058-59		2059-60		2060-61		2061-62		2062-63		2063-64		2064-65		2065-66		2066-67		2067-68		2068-69		2069-70		2070-71		2071-72		2072-73		2073-74		2074-75		2075-76		2076-77		2077-78		2078-79		2079-80		2080-81		2081-82		2082-83		2083-84		2084-85		2085-86		2086-87		2087-88		2088-89		2089-90		2090-91		2091-92		2092-93		2093-94		2094-95		2095-96		2096-97		2097-98		2098-99		2099-00		2100-01		2101-02		2102-03		2103-04		2104-05		2105-06		2106-07		2107-08		2108-09		2109-10		2110-11		2111-12		2112-13		2113-14		2114-15		2115-16		2116-17		2117-18		2118-19		2119-20		2120-21		2121-22		2122-23		2123-24		2124-25		2125-26		2126-27		2127-28		2128-29		2129-30		2130-31		2131-32		2132-33		2133-34		2134-35		2135-36		2136-37		2137-38		2138-39		2139-40		2140-41		2141-42		2142-43		2143-44		2144-45		2145-46		2146-47		2147-48		2148-49		2149-50		2150-51		2151-52		2152-53		2153-54		2154-55		2155-56		2156-57		2157-58		2158-59		2159-60		2160-61		2161-62		2162-63		2163-64		2164-65		2165-66		2166-67		2167-68		2168-69		2169-70		2170-71		2171-72		2172-73		2173-74		2174-75		2175-76		2176-77		2177-78		2178-79		2179-80		2180-81		2181-82		2182-83		2183-84		2184-85		2185-86		2186-87		2187-88		2188-89		2189-90		2190-91		2191-92		2192-93		2193-94		2194-95		2195-96		2196-97		2197-98		2198-99		2199-00		2200-01		2201-02		2202-03		2203-04		2204-05		2205-06		2206-07		2207-08		2208-09		2209-10		2210-11		2211-12		2212-13		2213-14		2214-15		2215-16		2216-17		2217-18		2218-19		2219-20		2220-21		2221-22		2222-23		2223-24		2224-25		2225-26		2226-27		2227-28		2228-29		2229-30		2230-31		2231-32		2232-33		2233-34		2234-35		2235-36		2236-37		2237-38		2238-39		2239-40		2240-41		2241-42		2242-43		2243-44		2244-45		2245-46		2246-47		2247-48		2248-49		2249-50		2250-51		2251-52		2252-53		2253-54		2254-55		2255-56		2256-57		2257-58		2258-59		2259-60		2260-61		2261-62		2262-63		2263-64		2264-65		2265-66		2266-67		2267-68		2268-69		2269-70		2270-71		2271-72		2272-73		2273-74		2274-75		2275-76		2276-77		2277-78		2278-79		2279-80		2280-81		2281-82		2282-83		2283-84		2284-85		2285-86		2286-87		2287-88		2288-89		2289-90		2290-91		2291-92		2292-93		2293-94		2294-95		2295-96		2296-97		2297-98		2298-99		2299-00		2300-01		2301-02		2302-03		2303-04		2304-05		2305-06		2306-07		2307-08		2308-09		2309-10		2310-11		2311-12		2312-13		2313-14		2314-15		2315-16		2316-17		2317-18		2318-19		2319-20		2320-21		2321-22		2322-23		2323-24		2324-25		2325-26		2326-27		2327-28		2328-29		2329-30		2330-31		2331-32		2332-33		2333-34		2334-35		2335-36		2336-37		2337-38		2338-39		2339-40		2340-41		2341-42		2342-43		2343-44		2344-45		2345-46		2346-47		2347-48		2348-49		2349-50		2350-51		2351-52		2352-53		2353-54		2354-55		2355-56		2356-57		2357-58		2358-59		2359-60		2360-61		2361-62		2362-63		2363-64		2364-65		2365-66		2366-67		2367-68		2368-69		2369-70		2370-71		2371-72		2372-73		2373-74		2374-75		2375-76		2376-77		2377-78		2378-79		2379-80		2380-81		2381-82		2382-83		2383-84		2384-85		2385-86		2386-87		2387-88		2388-89		2389-90		2390-91		2391-92		2392-93		2393-94		2394-95		2395-96		2396-97		2397-98		2398-99		2399-00		2400-01		2401-02		2402-03		2403-04		2404-05		2405-06		2406-07		2407-08		2408-09		2409-10		2410-11		2411-12		2412-13		2413-14		2414-15		2415-16		2416-17		2417-18		2418-19		2419-20		2420-21		2421-22		2422-23		2423-24		2424-25		2425-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(Collated from Weekly Returns of District Medical Officers of Health.)

* See footnote on Table E.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912

(Collated from the Weekly Returns of District Medical Officers of Health.)

NOTIFICATIONS ON FORMS A AND B—Excluding Duplicates.																				NOTIFICATIONS. FORM B ONLY. (By School Medical Inspectors.)										Number of Cases Notified on Form C. (Admission)									
PULMONARY.															NON-PULMONARY.										Total Pul- monary and Non- Pul- monary.	PRIMARY NOTIFICATIONS (i.e., excluding duplicates.)					Total Notifica- tions (i.e., including cases previously notified by other Doctors.)	Poor Law Insti- tutions.	Sani- taria.						
Years.																										Under 10 years.	5 to 10 years.	10 to 15 years.	TOTAL.										
	0 to 1.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 and up- wards.	TOTAL.	Total M. & F.	0 to 1.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 and up- wards.						TOTAL.				Total M. & F.					
Thirteen weeks ended 29th March, 1924 ..	M. F.	.. 1	12 7	12 7	11 11	28 39	23 35	53 61	64 37	41 25	3 16	3 276	3 242	518	4 26	28 19	30 30	22 22	27 19	6 13	8 12	3 8	3 3	.. 2	136 145	281	799	.. ..	.. 3	.. 1	.. 1	.. 4	.. 10	2 ..	12	13	7	297	
Thirteen weeks ended 28th June, 1924 ..	M. F.	1 2	9 3	13 11	17 21	25 38	31 40	57 69	60 52	48 24	39 15	3 3	293 278	571	7 1	33 35	30 27	31 25	37 37	11 11	11 7	7 5	2 1	3 3	167 171	338	909	.. ..	1 ..	2 ..	4 ..	1 3	3 8	8 ..	16	16	7	296	
Thirteen weeks ended 27th September, 1924 ..	M. F.	.. ..	5 2	7 7	12 9	32 35	22 37	53 63	44 27	54 22	11 1	7 234	469	3 1	22 21	25 21	24 26	23 28	29 17	8 14	5 7	4 3	5 6	5 5	133 145	278	747	.. ..	.. ..	.. 3	.. 2	1 1	1 2	4 4	7	7	4	320	
Fourteen weeks ended 3rd January, 1925 ..	M. F.	.. 1	3 2	8 6	18 18	20 32	32 30	43 39	58 23	58 23	24 7	5 206	471	5 ..	41 21	22 18	17 15	12 13	14 7	8 14	5 7	2 1	3 3	.. 1	145 121	261	732		.. 1	.. 3		2 ..	2 1	2 3	6 21	40	42	23	195
Total	M. F.	4 1	19 14	40 31	59 59	105 144	123 142	226 206	213 175	212 94	205 49	97 18	1079 930	*2029	19 6	125 104	99 88	94 99	98 84	96 56	28 72	28 31	17 18	12 13	3 3	576 582	*1158	*3187		1 3	2 1	2 12	6 6	4 3	12 21	40	42	23	195

The table below analyses these deaths at various age periods :—

	All ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.
Year 1923	412	36	48	47	99	62	70	38	12
Year 1924 ...	339	31	51	49	48	63	37	48	12

THE PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912-1924.—Tables “E” and “F,” here inserted, analyse, both as regards the parts of the body affected and in age periods, the notifications of tuberculosis received under the above Regulations during the 53 weeks ended on the 3rd January, 1925.

The notifications for 1924, compared with 1923, are shown below, but it must be pointed out that the totals given for 1923 include the cases notified in 52 weeks, whilst the 1924 totals cover a period of 53 weeks ended 3rd January, 1925 :—

		Pulmonary tuberculosis.		Other forms of tuberculosis.		Totals (excluding duplicates).
1923	...	1,970	...	1,219	...	3,189
1924	...	*2,029	...	*1,158	...	*3,187

(*See footnote below and on Table E).

The totals given for 1924 exclude 286 duplicate notifications, 1,192 notifications on Form C (admissions to Institutions), and 1,088 on Form D (discharges from Institutions).

* Following on a suggestion made by the Chief Medical Officer of the Ministry of Health, any case notified as tuberculosis and found, as the result of observation and examination by the Tuberculosis Officer, to have been wrongly notified, the Register is now corrected and the notification cancelled, the consent of the notifying medical practitioner to the withdrawal of the notification having been previously obtained. Of the cases notified in 1924, ninety-five such withdrawals (57 pulmonary and 38 non-pulmonary) have so far (to 30th June, 1925) taken place. (See footnote on Table E.) The totals given above and in Tables E. and F. are the gross notifications.

Since February 1st, 1913, tuberculosis, both "pulmonary" and "other forms," has been compulsorily notifiable; previous to that date it was incompletely notifiable.

The following table shows that the case notification rate for the Administrative County has declined, as regards "pulmonary" tuberculosis, from 1.54 per 1,000 of the population in the year 1913 to 1.13 in 1924, and as regards "other forms" of tuberculosis from 0.90 per 1,000 to 0.64. For purposes of comparison the corresponding rates for England and Wales are given in the table:—

Year.	Administrative County of Lancaster.				England and Wales.	
	Pulmonary Tuberculosis.		Other forms of Tuberculosis.		Pulmonary Tuberculosis.	Other form of Tuberculosis.
	Cases notified.	Rate per 1,000 of populatn.	Cases notified.	Rate per 1,000 of populatn.	Rate per 1,000 of populatn.	Rate per 1,000 of populatn.
1913 (11 months)	2700	1.54	1592	0.90	2.65 (whole year)	1.14
1914 (11 months)	2820	1.61	1140	0.65	2.20	0.66
1915 (11 months)	2872	1.72	1128	0.67	2.07	0.65
1916 (11 months)	2689	1.52	1180	0.66	2.10	0.69
1917 (11 months)	2375	1.35	1062	0.60	2.18	0.66
1918 (11 months)	2534	1.47	885	0.51	2.17	0.58
1919 (11 months)	2105	1.21	847	0.48	1.81	0.47
1920 (11 months)	2084	1.23	968	0.55	1.65	0.42
1921 (11 months)	2044	1.16	899	0.51	1.57	0.42
1922 (11 months)	1877	1.06	968	0.54	1.40	0.41
1923 (11 months)	1970	1.11	1219	0.68	1.39	0.45
1924*..... (53 weeks)	2029	1.13	1158	0.64	1.42	0.45

*53 weeks.

The following tables (a) and (b) give the male and female notified cases 1913-1924 at certain specified age groups :—

(a) Pulmonary Tuberculosis.

Years.	0 to 1.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 and up.	Total.	Total, M. & F.
1913..M. { F. { m'nths)	1 6	24 28	97 100	70 104	129 158	131 188	311 296	292 201	228 103	114 65	29 25	1426 1274	2700
1914..M. { F. {	6 3	40 32	80 115	83 107	112 140	172 181	329 336	315 225	240 107	107 47	23 20	1507 1313	2820
1915..M. { F. {	5 5	47 27	97 96	79 111	127 152	138 191	305 383	303 239	235 100	117 60	34 21	1487 1385	2872
1916..M. { F. {	1 2	31 24	71 81	77 96	121 165	157 186	331 345	296 220	190 98	96 52	36 13	1407 1282	2689
1917..M. { F. {	4 2	20 22	77 90	62 100	113 129	104 155	262 296	268 185	190 107	90 50	30 19	1220 1155	2375
1918..M. { F. {	3 1	35 24	55 69	59 74	140 139	108 166	300 297	317 207	232 117	98 52	28 13	1375 1159	2534
1919..M. { F. {	2 5	22 14	53 54	55 80	94 126	107 161	238 261	212 184	165 99	91 41	17 24	1056 1049	2105
1920..M. { F. {	2 2	24 20	56 53	63 71	94 115	120 122	281 264	249 147	160 84	90 36	14 17	1153 931	2084
1921..M. { F. {	1 ..	17 12	43 53	47 77	94 132	133 160	222 255	225 156	162 82	84 50	19 20	1047 997	2044
1922..M. { F. {	3 4	16 15	38 45	48 58	84 136	122 136	228 203	191 147	149 61	99 42	27 25	1005 872	1877
1923..M. { F. {	2 1	10 14	43 47	44 63	83 115	133 151	238 256	211 152	149 84	96 49	13 16	1022 948	1970
1924 M. { F. {	1 4	29 14	40 31	57 59	105 144	113 142	212 226	206 175	201 94	97 49	18 12	1079 950	* 2029

* See footnote on Table E and on page 53.

(b) Non-pulmonary Tuberculosis.

Years.	0 to 1.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 and up.	Total.	Total, M. & F.
1913.. M. { F. { m'nths)	29 28	128 118	177 134	137 132	98 118	58 86	71 80	48 47	27 29	18 19	3 7	794 798	1592
1914.. M. { F. {	43 37	111 88	131 98	95 89	77 77	36 44	47 58	23 27	20 12	14 6	3 4	600 540	1140
1915.. M. { F. {	39 26	109 88	113 107	93 88	61 84	46 53	50 61	29 33	14 15	5 7	3 4	562 566	1128
1916.. M. { F. {	20 8	127 68	135 122	99 114	65 85	42 46	47 65	34 41	12 19	13 11	5 2	599 581	1180
1917.. M. { F. {	21 7	116 79	109 97	105 98	61 89	23 59	42 49	30 25	8 23	9 6	1 5	525 537	1062
1918.. M. { F. {	14 10	75 75	103 84	65 92	60 80	19 46	29 46	16 29	14 9	7 6	2 4	404 481	885
1919.. M. { F. {	13 10	50 59	97 98	80 76	53 61	26 43	31 41	22 29	19 11	12 7	4 5	407 440	847
1920.. M. { F. {	31 12	62 66	107 86	108 78	68 62	26 46	35 52	23 34	16 23	11 16	5 1	492 476	968
1921.. M. { F. {	12 15	60 62	110 89	84 81	53 65	32 41	41 53	23 15	17 21	6 9	4 6	442 457	899
1922.. M. { F. {	18 13	101 77	113 81	81 96	56 61	39 45	39 52	22 25	13 14	7 7	3 5	492 476	968
1923.. M. { F. {	18 14	116 105	139 113	107 108	79 73	35 61	46 64	23 32	15 30	15 14	7 5	600 619	1219
1924 M. { F. {	19 6	125 104	99 88	94 99	98 84	36 56	45 72	28 31	17 18	12 11	3 13	576 582	* 1158

* See footnote on Table E and on page 53.

For reference, and for the information of the County Tuberculosis Department, a card index of *every* case notified, and also a record of the deaths from tuberculosis, are kept up to date in the County Public Health Department, and copies of all notifications received by the County Medical Officer of Health are forwarded each week to the Consultant Tuberculosis Officers.

The Public Health (Tuberculosis) Regulations, 1924.—Regulations under the above title were issued by the Ministry of Health on the 18th December, 1924.

Under the 1912 Regulations every local Medical Officer of Health must keep a Register of Cases containing full particulars of every notification received by him under these Regulations, and further Regulations of 1921 require the Medical Officer to revise the Register from time to time, and not less often than once in every quarter by removing from such Register the entries therein relating to persons who have died or have ceased permanently to reside within his district.

The *new* Regulations provide that every Medical Officer of Health shall furnish the Medical Officer of Health of the Administrative County within which his district is situate, as soon as practicable after the end of each quarter, with a statement, compiled from the Register of Notifications required to be kept by him by Article XI. of the Regulations of 1912, and showing—

- (a) The number of cases of tuberculosis on his register at the commencement of the quarter ;
- (b) The number of cases notified to him under the Regulations of 1912 for the first time during the quarter ;
- (c) The number of cases removed from the register during the quarter (giving the name and address of each such case, and the reason for such removal) ;
and
- (d) The number of cases remaining on the register at the end of the quarter.

Separate figures shall be given in each case for males and females, and for pulmonary and non-pulmonary cases.

The first Returns under the new Regulations are now to hand, and whilst perhaps it cannot be said that the totals given are free from error, a fairly reliable figure is now, for the first time, available showing the number of persons in the Administrative County who have been “ notified ” as suffering from tuberculosis.

The combined totals of the local Registers on the 31st December, 1924, were as under :—

	Males.	Females.	Total.
Pulmonary tuberculosis	3,981	3,552	7,533
Non-pulmonary tuberculosis	2,313	2,423	4,736
Total 	6,294	5,975	12,269

The Public Health (Venereal Diseases) Regulations, 1916.
—The County Council scheme for the diagnosis and treatment of venereal diseases has been detailed in previous reports.

TREATMENT CENTRES.—The following is a list of the approved treatment centres with which the County Council has arrangements for the diagnosis and treatment of patients, showing the days and hours of the clinics, revised to July, 1925 :—

Treatment Centre.	Days and Hours of Out-Patient Clinic.	
	MALES.	FEMALES.
Ashton-under-Lyne District Infirmary, Darnton Road	Wednesday, 3—4 p.m. Thursday, 6—7-30 p.m.	Monday, 6—7-0 p.m. Wednesday, 3—4 p.m.
	<i>Irrigation :—</i> For Gonorrhœa cases, Monday to Friday, 6-30—7-30 p.m.	
Barrow-in-Furness, North Lonsdale Hospital, School Street	Wednesday, 10 a.m. Thursday, 7-30 p.m. Saturday, 10 a.m.	Wednesday, 7-30 p.m. Friday, 10 a.m.
	<i>Irrigation :—</i> Daily, 6—7 p.m.	
	<i>N.B.</i> —Apprehensive cases present themselves at the Clinics.	
Blackburn and East Lancashire Royal Infirmary	Tuesday, 5 p.m. Friday, 7-30 p.m.	Monday, 5-30 p.m. Thursday, 6 p.m.
	<i>N.B.</i> —New patients should present themselves 15 minutes before above hours	

Treatment Centre.	Days and Hours of Out-Patient Clinic.	
	MALES.	FEMALES.
Blackpool Victoria Hospital, Whitegate Drive	Monday, 5 p.m. Wednesday, Thursday, and Saturday, 11 a.m.—12-30 p.m.	Tuesday, 5 p.m. Friday, 11 a.m. —12-30 p.m.
Bolton Public Health Depart- ment Clinic, Howell Croft North	Monday, Tuesday, and Wednesday, 7 p.m. <i>Irrigation :—</i> Monday and Wed- nesday, 11 a.m. Friday, 11 a.m. and 7 p.m. Cases unable to attend at above times, can be seen any morning between 9 and 12 noon.	Thursday, 7 p.m. Saturday, 11 a.m. Tuesday, 10 a.m., and Thursday, 3 p.m.
Bootle Borough Hospital, Derby Road	Monday, 5-30 p.m. Wednesday, 5-30 p.m. Friday, 5-30 p.m.	Monday, 12 noon Thursday, 6-30 p.m.
Burnley Victoria Hospital	Monday, 10—11 a.m.; 5-30—6-30 p.m. Thursday, 5-30—6-30 p.m.	Friday, 11 a.m.—12 noon; 5-30— 6-30 p.m.
Bury Dispensary, The Wylde	Friday, 6-30 p.m.	Tuesday, 6-30 p.m.
Liverpool Royal Infirmary, Pembroke Place	New Patients :— Monday, 5-30 p.m. Tuesday, 1 p.m. Wednesday, 5-30 p.m. Friday, 7 p.m. Continuation Treatment :— Daily (except Sun- day), 9 a.m. to 6-30 p.m.	
		Tuesday, 6 p.m. Thursday, 12 noon ⁵ Daily (except Sun- day), 10—11 a.m.
Liverpool David Lewis Northern Hospital (en- trance in Leeds Street)	New Patients :— Monday and Fri- day, 5—6 p.m. Continuation Treatment :— Tuesday, Wednes- day, Thursday, and Saturday, 6—8 p.m.	
		Wednesday, 5—6 p.m.

Treatment Centre.	Days and Hours of Out-Patient Clinic.	
	MALES.	FEMALES.
Liverpool Royal Southern Hospital, Caryl Street	New Patients :—	
	Tuesday, 5 p.m. Thursday, 5 p.m. Saturday, 1 p.m.	Friday, 5 p.m.
	Continuation Treatment :—	
	Daily, 5 p.m. (except Friday and Sunday) Saturday, 1 p.m.	Daily, 5 p.m. (except Sunday) Saturday, 1 p.m.
Liverpool Stanley Hospital, Stanley Road, Kirkdale	New Patients :—	
	Monday and Thursday, 5—6 p.m.	Tuesday, 5—6 p.m. Saturday, 12 noon
	Continuation Treatment :—	
	Daily, 6—7 p.m. (except Tuesday, Saturday, and Sunday)	Daily, 11 a.m. (except Sunday)
Manchester Royal Infirmary, Oxford Road	Syphilis—	
	Wednesday, 6 p.m.	Thursday, 11 a.m. (also for children)
	Diseases of the Genito-Urinary Organs—	
	Thursday, 6 p.m.	Wednesday, 11 a.m. (also for children)
	Syphilis and Diseases of the Genito-Urinary Organs—	
	Monday, 6 p.m.	
Manchester St. Luke's Hospital, Duke Street, Liverpool Road	Monday, 5—7 p.m. Tuesday, 5—7 p.m. Thursday, 5—7 p.m. Friday, 5—7 p.m.	
		Wednesday, 5—7 p.m. (women only)
	Irrigation and Intermediate Treatment : Daily (Sunday excepted), 10 a.m.—5 p.m. Saturday, 10 a.m.—1 p.m.	
Manchester and Salford Hospital for Skin Diseases, Quay Street, Deansgate (Syphilis and skin diseases only treated at this Hospital)	Daily (Sunday excepted) 9—10 a.m.	
		9—11 a.m. Children, 9—11 a.m.

Treatment Centre.	Days and Hours of Out-Patient Clinic.		
	MALES.	FEMALES.	
Manchester St. Mary's Hospitals (Whitworth Street West Branch), Oxford Street		Monday, Wednesday, Thursday, and Friday, 9 to 10.30 a.m. Thursday, 5—7 p.m. Tuesday, 7—8 p.m.	
Manchester Ancoats Hospital, Mill St., Ancoats	Wednesday, 5.30—7 p.m. Saturday, 5—7 p.m.	Wednesday, 11.30 a.m.—1 p.m.	
Oldham Royal Infirmary, Union Street West	New Patients :— Syphilis— Tuesday, 7 p.m. Gonorrhœa— Wednesday, 7 p.m. } Monday, 7 p.m.		
	Irrigation :— Every evening. (Sunday excepted) 5—7 p.m. and 8.30—9.30 p.m.		Tuesday, 4.30—7 p.m. Saturday, 2—6 p.m.
Preston Royal Infirmary, Deepdale Road	Wednesday, 4.30—7.30 p.m. Friday, 4.30—7 p.m.	Tuesday, 4.30—7 p.m.	
Rochdale Infirmary, Red-cross Street	Intermediate treatment :— Monday, 6.30 p.m. Wednesday, 12 noon Friday, 6.30 p.m. Saturday, 5.30 p.m.		Monday Thursday Friday Saturday } 3 p.m.
	Clinic :— Tuesday, 3.45—5.45 p.m. Thursday, 5—7 p.m.		Tuesday, 9.30—11.30 a.m. Wednesday, 5.30—7.30 p.m.
	Syphilis :— Monday, 12 noon Wednesday, 7 p.m.		Monday, 12 noon Wednesday, 6 p.m.
Salford Royal Hospital, Chapel Street. Out-patient Clinic—1, Adelphi Place, back of Hospital	Genito-Urinary Department :— Tuesday, 12 noon Friday, 6 p.m.		Tuesday, 12 noon Friday, 6 p.m.

Treatment Centre.	Days and Hours of Out-Patient Clinic.	
	MALES.	FEMALES.
Southport Infirmary, Curzon Road	Monday and Thursday, 5—8 p.m. Daily Treatment :— Monday, Tuesday, Wednesday, Thursday and Friday, 8—9-30 a.m. and 6—7-30 p.m. Saturday, 6—7-30 p.m.	Tuesday, 2 to 5 p.m. Monday, Tuesday, Wednesday, Thursday and Friday, 2 p.m. Saturday, 10—12 a.m.
St. Helens Dispensary—18, Cloughton Street	Monday, 6—7 p.m.	Wednesday, 7—8 p.m. (also for Children) Disinfection and Irrigation :— Monday to Friday, 9-30 a.m.—5 p.m. Saturday, 9-30 a.m.—12 noon
Warrington Infirmary and Dispensary, Kendrick St. Out-patient Clinic—Beaumont Street entrance	Tuesday, 3-30 p.m. Friday, 5 p.m.	Tuesday, 5 p.m. Friday, 6 p.m.
Wigan Royal Albert Edward Infirmary, Wigan Lane	Tuesday, 4—6 p.m. Wednesday, 9 a.m. Friday, 3—6 p.m.	

Work carried out at the Treatment Centres during the year 1924.—The following table is compiled from the Annual Returns, Form V.R.22, of the Medical Officers of Treatment Centres.

These returns show a further reduction in the number of *new* cases of syphilis, which has shown a gradual decline since the year 1919. Gonorrhœa shows a slight increase in the number of *new* cases as compared with 1923 and 1922. The attendances at the treatment centres of persons found not to be suffering from venereal diseases remains practically stationary.

	Number of County Residents attending for the first time and found to be suffering from:—				Total Number of Attendances of County Residents at Out-patient Clinic.	Aggregate Number of In-patient days.	Number of Doses of Arsenobenzol Compounds.
	Syphilis.	Soft Chancres	Gonorrhœa	Conditions other than Venereal.			
Year 1919	1510	94	729	408	22732	2838	8798
Year 1920	1433	85	802	496	31096	2490	10052
Year 1921	1104	33	622	414	32739	2367	10115
Year 1922	701	17	573	399	29420	1490	8501
Year 1923	598	9	545	418	29661	1742	6931
Year 1924:—							
Ashton-under-Lyne District Infirmary ..	25	2	16	9	2082	14	599
Barrow-in-Furness North Lonsdale Hospital ..	4	..	3	6	436	..	115
Blackburn and East Lancashire Royal Infirmary	52	4	41	80	3184	188	679
Blackpool Victoria Hospital	20	2	43	16	1232	19	206
Bolton Public Health Department Clinic ..	27	..	63	38	1973	..	440
Boothle Borough Hospital	9	..	33	7	986	328	201
Burnley Victoria Hospital	24	..	37	13	1720	11	357
Bury Tuberculosis Dispensary Clinic ..	28	3	44	4	963	..	209
Liverpool Royal Infirmary	19	..	23	11	873	3	92
Liverpool David Lewis Northern Hospital ..	6	..	6	..	175	..	52
Liverpool Royal Southern Hospital	2	1	5	2	75	24	3
Liverpool Stanley Hospital	6	..	6	7	353	..	118
Manchester Ancoats Hospital	18	..	41	56	1051	6	182
Manchester Royal Infirmary	24	..	22	5	645	..	80
Manchester St. Luke's Hospital	21	4	39	13	823	185	148
Manchester and Salford Hospital for Skin Diseases	50	..	12	20	1717	59	264
Manchester St. Mary's Hospitals	3	..	4	19	337	..	73
Oldham Royal Infirmary	20	1	20	20	1903	75	132
Preston Royal Infirmary	44	..	36	33	1658	..	1384
Rochdale Infirmary	9	..	17	11	989	..	169
Salford Royal Hospital	15	..	37	13	2446	44	150
St. Helens Corporation Hospital	2	..	9	6	226	..	46
Southport Royal Infirmary	3	..	8	..	597	150	9
Warrington Infirmary	8	..	6	5	430	56	45
Wigan Royal Albert Edward Infirmary ..	33	..	35	10	1378	100	282
Other Institutions treating County residents	3	..	1	1	92	59	16
Total, Year 1924	475	17	607	405	25344	1321	6051

PATHOLOGICAL SPECIMENS.—The number of outfits supplied free by the County Public Health Department in 1924 to medical practitioners in the County area is shown below. In 1923 the total was 966, and 630 in 1922. The examinations are carried out at the pathological laboratories of the Universities of Liverpool and Manchester, and at the laboratory established by the Burnley Corporation Health Department.

No. of outfits issued to medical practitioners in 1924.			
Wassermann test.	Detection of Spirochæta pallida.	Detection of Gonococci.	Total.
875	4	39	918

SUPPLY OF ARSENOBENZOL COMPOUNDS.—The following statement shows the number of doses of arsenobenzol compounds supplied free during 1924, through the County Public Health Department, to medical practitioners. The total doses in 1923 were 845, and 517 in 1922 :—

Total No. of medical practitioners "approved" for supply of these preparations.	No. of doses of Arsenobenzol Compounds supplied to medical practitioners in 1924.								
	Kharsivan.	Novarsenobillon.	Galyl.	Neokharsivan.	Novarsenobenzol	Salvarsan (Boots)	Sulfarsenol	Stabilarson	Total.
131	37	504	73	134	24	12	91	40	915

TABLE G.

HOSPITAL ACCOMMODATION. DISINFECTING APPARATUS. NOTIFICATIONS OF INFECTIOUS DISEASES. INDEX TO DISTRICTS:—

URBAN DISTRICTS.		URBAN DISTRICTS.	
	Page.		Page.
Abram	1	Milnrow	8
Accrington (B.)	1	Morecambe (B.)	9
Adlington	1	Mossley (B.)	9
Ashton-in-Makerfield ..	1	Nelson (B.)	9
Ashton-under-Lyne (B.)	2	Newton-in-Makerfield .	9
Aspull	1	Norden	9
Atherton	2	Ormskirk	8
Audenshaw	2	Orrell	9
Bacup (B.)	2	Oswaldtwistle	9
Barrowford	4	Padiham	4
Billinge	4	Poulton-le-Fylde	3
Blackrod	4	Preesall	3
Brierfield	4	Prescot	10
Carnforth	5	Prestwich	10
Chadderton	5	Radcliffe	10
Chorley (B.)	1	Rainford	10
Church	5	Ramsbottom	10
Clayton-le-Moors	5	Rawtenstall (B.)	10
Clitheroe (B.)	5	Rishton	10
Colne (B.)	5	Royton	5
Crompton	5	Skelmersdale	10
Croston	5	Standish-with-Langtree	11
Dalton-in-Furness	6	Stretford	11
Darwen (B.)	6	Swinton & Pendlebury..	11
Denton	6	Thornton	3
Droylsden	6	Tottington	10
Eccles (B.)	6	Trawden	11
Failsworth	6	Turton	11
Farnworth	6	Tyldesley-with	
Fleetwood	3	Shakerley	2
Formby	6	Ulverston	6
Fulwood	4	Upholland	11
Golborne	2	Urmston	11
Grange-over-Sands	7	Walton-le-Dale	11
Great Crosby	7	Wardle	8
Great Harwood	7	Waterloo-with-Seaforth	11
Haslingden (B.)	7	Westhoughton	4
Haydock	7	Whitefield	10
Heysham	7	Whitworth	12
Heywood (B.)	7	Widnes (B.)	12
Hindley	7	Withnell	12
Horwich	4	Worsley	11
Hurst	2	RURAL DISTRICTS.	
Huyton-with-Roby	7	Barton-upon-Irwell ...	12
Ince-in-Makerfield	7	Blackburn	12
Irlam	8	Burnley .	4
Kearsley	8	Bury	10
Kirkham	3	Chorley	1
Lancaster (B.)	8	Clitheroe	12
Lathom and Burscough	8	Fylde	3
Lees	8	Garstang	3
Leigh (B.)	2	Lancaster	12
Leyland	1	Leigh	2
Litherland	8	Limehurst	2
Littleborough	8	Lunesdale	12
Little Crosby	9	Preston	4
Little Hulton	9	Sefton	12
Little Lever	8	Ulverston	6
Longridge	4	Warrington	12
Lytham Saint Anne's		West Lancashire	13
(B.)	3	Whiston	13
Middleton (B.)	9	Wigan	13

ADMINISTRATIVE COUNTY OF LANCASTER.

TABLE (G) showing HOSPITAL ACCOMMODATION and DISINFECTING APPARATUS provided in or for each of the County Districts; also NUMBER OF CASES OF INFECTIOUS DISEASE NOTIFIED, REMOVED TO HOSPITAL, &c.

(a) (c) (d) Totals supplied by local Medical Officers of Health; (b) by Registrar-General.

District.	Nature of Hospital Accommodation.		Infectious Diseases.																								Disinfection.	
	For ordinary infectious diseases.	For Smallpox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																								Apparatus and where situated.	No. Houses or Rooms disinfected.
			Smallpox.	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Continued Fever.	Puerperal Sepsis.	Meningococcal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Polio-encephalitis.	Acute Primary Pneumonia.	Acute Infectious Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.		
*Abram ..	8 beds ..	Iron building—4 beds	(a) ..	4	3	24	4	..	..	..	..	..	..	..	..	1	..	33	4	2	..	..	..	..	75	Steam—Hospital ..	26	
			(b) ..	..	..	1	..	..	..	..	..	..	..	..	..	..	4	7	..	3	..	..	1	..	16			
			(c) ..	1	..	24	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29				
			(d) ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1				
Accrington (B.)	Bury Joint Hospital by agreement	24 beds ..	(a) ..	5	11	40	1	..	2	..	1	7	1	..	..	5	..	125	43	30	..	..	..	271	Steam—Hyndburn Road Depot	101		
			(b) ..	2	..	..	..	..	1	..	..	..	..	1	..	3	..	59	27	8	5	5	2	..	112			
			(c) ..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2				
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
Adlington ..	Joint at Heath Charnock, 36 beds	5 beds at Finnington (Blackburn)	(a) ..	7	2	1	1	..	1	..	..	..	..	..	..	..	1	3	5	..	..	..	..	21	No proper apparatus	14		
					(b) ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	2	..	3	..	8			
					(c) ..	5	..	1	1	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	8			
					(d) ..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1			
Chorley (B.) ..	Joint at Heath Charnock, 36 beds	5 beds at Finnington (Blackburn)	(a) ..	3	19	6	58	..	..	1	1	..	..	..	1	..	79	33	29	..	..	..	..	230	Steam—Town's Yard	32		
					(b) ..	1	..	1	4	..	2+	..	1	..	..	2	..	29	16	9	..	..	8	..	73			
					(c) ..	3	..	5	47	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	56			
					(d) ..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3			
Leyland ..	Joint at Heath Charnock, 36 beds	5 beds at Finnington (Blackburn)	(a) ..	4	4	38	2	..	1	..	1	..	..	..	..	..	4	12	5	..	..	..	..	71	No proper appliances	34		
					(b) ..	..	..	1	..	..	1+	..	..	..	..	..	..	7	6	3	..	..	..	..	18			
					(c) ..	1	1	31	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	34			
					(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Chorley (R) ..	Joint at Heath Charnock, 36 beds	5 beds at Finnington (Blackburn)	(a) ..	3	8	11	9	..	..	..	..	..	..	..	..	..	11	22	18	..	..	..	6	88	No proper appliances, but can send to Chorley (B.)	47		
					(b) ..	1	..	..	..	..	..	..	..	..	..	..	..	16	15	3	1	..	2	..	38			
					(c) ..	3	..	10	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	21			
					(d) ..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			
*Ashton-in-Makerfield	40 beds (Long Lane)	8 beds (Edge Green)	(a) ..	48	6	56	5	..	1	..	7	1	..	..	1	..	94	28	21	..	..	..	..	268	Steam—Hospital ..	139		
			(b) ..	..	..	..	..	..	..	..	2	..	..	..	..	..	39	16	4	3	10	6	..	79				
			(c) ..	45	..	47	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	97				
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
*Aspull ..	At Wigan Borough hospitals ..		(a) ..	15	7	14	2	..	..	..	1	..	..	..	2	..	34	2	3	..	..	..	5	85	No proper apparatus	30		
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	22	3	..	4	2	5	..	36				
			(c) ..	2	..	5	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9				
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				

* Districts with asterisks combined in 1903 under the Wigan and District Joint Hospital Order for the purpose of providing a smallpox hospital, but no provision made. † Inward transfers. ‡ Cases not notified.
 § Deaths now classified by Registrar-General as "Tuberculosis of respiratory system." Tuberculosis cases removed to Hospital or Sanatoria not shown under (c) and (d).
 || "Acute primary pneumonia and acute influenzal pneumonia" notifiable; deaths from "all forms of pneumonia" shown under (d).

District.	Nature of Hospital Accommodation.		Infectious Diseases.																				Disinfection.					
	For ordinary infectious diseases.	For Smallpox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																				Apparatus and where situated.	No. of Houses or Rooms disinfected.				
			Smallpox.	Diphtheria.	Erysipelas.	Scarlat Fever.	Enteric Fever.	Continued Fever.	Puerperal Sepsis.	Meningococcal Meningitis.	Polionymyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Polio-encephalitis.	Acute Primary Pneumonia.	Acute Infectious Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.			Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.
Ashton under-Lyne (B.)	20 beds	Joint at Hartshead—12 beds	(a)	77	15	6	141	7	..	2	..	..	5	1	..	..	11	..	67	51	31	..	..	..	94	508	Steam—Town's Yard	415
			(b)	..	1	..	3	..	..	1	..	..	..	..	..	..	4	..	51	30	9	11	..	8	..	118		
			(c)	77	1	..	69	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	151		
			(d)	..	..	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Audenshaw ..	2 beds, Hyde Borough hospital	Joint at Hartshead—12 beds	(a)	3	2	2	17	..	..	..	..	..	..	..	..	..	1	..	20	6	12	..	..	..	4	57	Steam—Ashton-under-Lyne (B.)	24
			(b)	..	..	..	..	..	..	3†	..	..	..	..	..	..	1	..	9	..	12	12	..	1	..	18		
			(c)	3	..	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7		
			(d)	..	..	..	..	..	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Hurst	At Ashton-under-Lyne	Joint at Hartshead—12 beds	(a)	19	12	1	28	..	..	1†	..	..	..	..	..	1	..	9	14	12	..	..	..	10	96	Steam—Hospital	83	
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9	5	12	3	..	..	1	..	23		
			(c)	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Limehurst (R.)	At Ashton-under-Lyne	Joint at Hartshead—12 beds	(a)	1	2	8	14	1	..	2	..	..	1	..	..	2	1	..	15	11	6	..	..	..	6	70	Steam—Ashton-under-Lyne (B.)	15
			(b)	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	8	7	2	2	1	3	..	25		
			(c)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Atherton ..	Joint at Astley for all purposes:—	32 beds	(a)	..	43	9	83	..	..	..	1†	1†	..	..	..	2	..	60	26	11	..	..	..	..	235	No apparatus	151	
			(b)	..	1	..	..	..	..	1†	1†	..	..	..	..	..	1	..	20	19	4	2	3	..	..	52		
			(c)	..	25	..	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	63		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Golborne ..	Joint at Astley for all purposes:—	32 beds	(a)	..	30	3	31	..	..	1	..	..	..	..	..	2	..	4	23	5	..	..	..	2	101	Steam—Hospital	67	
			(b)	..	1	..	..	..	..	..	1†	..	..	..	..	..	..	..	12	4	1	..	1	2	..	22		
			(c)	..	22	..	26	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	49		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Leigh (B.) ..	128 beds	32 beds	(a)	..	26	27	133	3	..	3	..	1	10	..	..	6	..	40	49	38	..	..	..	..	336	Steam—Destructor Works	223	
			(b)	..	1	..	3	1	..	1	..	..	..	..	..	..	..	52	36	9	16	5	9	..	133			
			(c)	..	20	..	93	2	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	120			
			(d)	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3			
Tyldesley-with-Shakerley ..	Joint at Astley for all purposes:—	32 beds	(a)	..	33	6	25	4	..	1	1	1	2	..	..	1	4	..	113	20	7	..	..	..	218	Steam—Sanatorium	90	
			(b)	..	3	..	..	1	..	..	1	..	..	..	..	2	..	22	10	1	1	3	4	..	48			
			(c)	..	26	..	17	3	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	47		
			(d)	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Leigh (R.) ..	Joint at Astley for all purposes:—	32 beds	(a)	..	15	11	75	2	..	..	1	..	..	..	..	2	..	35	12	14	..	..	..	..	167	Steam—Hospital	142	
			(b)	..	..	..	1	..	..	..	1†	..	..	..	..	1	..	19	7	4	2	2	..	..	37			
			(c)	..	14	..	40	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	56		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Bacup (B.) ..	Arrangement with Bury Joint Hospital Board	Joint at Todmorden—32 beds	(a)	..	6	24	20	1	..	2	1	..	5	..	..	1	..	34	12	12	..	..	..	135	253	Steam—Town's Yard	144	
			(b)	..	..	..	..	..	..	2	1	..	..	..	..	..	..	11	10	6	5	3	..	..	38			
			(c)	..	..	..	1	..	..	1	..	..	3	..	..	..	..	..	..	..	..	..	..	..	5			
			(d)	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			

† Two inward transfers at Audenshaw—puerperal fever cases removed to Hospital, and one case not notified.

Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.

Disinfection

District.	For ordinary infectious diseases.	For Smallpox.		Smallpox.	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Continued Fever.	Puerperal Sepsis.	Meningococcal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Polio-encephalitis.	(Note Primary Pneumonia acute form) Pneumonia	Note Secondary form Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarthra, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms disinfected.		
Fulwood ..	Joint at Fulwood 45 beds	Joint at Elswick <i>(With 2½ beds, see previous page)</i>	(a)	..	..	5	3	..	..	..	2	..	1	..	..	..	..	1	..	6	8	3	..	..	19	48	Steam—Hospital ..	7		
			(b)	..	..	..	..	..	..	1†	..	..	..	..	..	..	..	..	..	10	12	..	..	..	..	13				
			(c)	..	..	..	2	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	4			
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Longridge ..	Joint at Fulwood 45 beds	Joint at Elswick <i>(With 2½ beds, see previous page)</i>	(a)	..	3	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3	..	..	..	10	Steam—Hospital ..	8		
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	3	1	..	..	..	9				
			(c)	..	3	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4			
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Preston (R.) ..			(a)	..	6	7	34	2	..	1	..	1	..	..	..	..	1	..	..	8	14	7	..	..	82	163	No proper apparatus	80		
			(b)	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	16	8	3	12	..	31					
			(c)	..	4	..	34	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	39				
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Barrowford ..	At Nelson Boro. hospital	At Nelson Boro. hospital	(a)	..	1	..	4	..	..	..	..	..	..	..	..	..	..	..	..	13	6	2	..	..	26	Steam—Nelson (B.).	8			
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	4	1	..	3	14					
			(c)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1				
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Billinge ..	Nil	Cottage—4 beds	(a)	..	..	2	7	..	..	..	..	..	..	..	..	..	1	..	..	1	4	4	..	..	19	Steam—Billinge Infirmary	13			
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	3	1	..	2	16					
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
*Blackrod ..		Nil	(a)	..	2	1	10	..	..	..	..	..	..	..	..	..	1	..	..	18	3	6	..	..	41	Steam—Hospital ..	12			
			(b)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	12	1	8					
			(c)	..	2	..	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12				
			(d)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1				
*Horwich ..	Joint at Fall Bireh, Horwich, 55 beds	Bury and District Joint Hospital	(a)	..	9	..	23	..	..	..	..	1	..	..	..	..	3	..	48	11	19	86	14	..	41	255	Steam—Hospital ..	63		
			(b)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	16	10	6	1	..	..	36				
			(c)	..	9	..	21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30				
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			
*Westhoughton ..		Temporary hospital —8 beds	(a)	..	5	5	33	2	..	4	..	2	..	..	..	..	9	..	36	5	7	..	..	108	Steam—Hospital ..	46				
			(b)	..	1	..	..	1	..	..	..	..	..	..	..	..	2	..	17	2	7	..	1	1	32					
			(c)	..	4	..	29	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	36				
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1				
Brierfield ..			(a)	..	9	4	10	..	..	..	..	..	..	..	..	..	3	..	6	9	4	..	..	45	Steam—Nelson B. ..	28				
			(b)	..	1	..	..	..	1†	..	..	..	..	..	..	..	..	..	..	11	6	1	..	1	4	25				
			(c)	..	4	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9				
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Padiham ..	Joint with Burnley (C.B.) for all purposes (Kibble Bank)	(Crown Point)	(a)	..	8	7	21	..	4	..	1	..	..	..	..	..	..	..	26	11	12	..	..	15	105	Steam—Burnley C.B.	54			
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	5	1	6	2	2	21				
			(c)	..	7	..	18	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	27				
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Burnley (R.) ..			(a)	..	10	3	24	3	..	..	..	..	..	..	..	..	..	..	8	17	15	..	..	80	Steam—Burnley C.B. (not often used).	39				
			(b)	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	11	14	3	1	2	3	37				
			(c)	..	5	1	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15				
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			

Infectious Diseases.

Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.

Disinfection

District.	For ordinary infectious diseases.	For Smallpox.		Smallpox.	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Continued Fever.	Puerperal Sepsis.	Meningococcal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Typhoid Fever.	Dysentery.	Eczematous Eruptions.	Polio-encephalitis.	Acute Primary Pneumonia	Acute Infectious Pneumonia	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms disinfected.
Denton-in-Furness		At Barrow Boro. hospital	(a)	..	1	..	16	1	..	..	..	..	..	..	..	..	..	..	5	42	5	..	..	..	70	No apparatus	31		
			(b)	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	3	12	..	..	..	..	19				
			(c)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2				
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			
Ulverston	Joint at High Carley—30 beds		(a)	..	..	10	19	1	..	..	..	..	1	..	..	..	1	..	1	22	8	..	..	..	63	No apparatus	34		
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	11	4	..	..	..	3	22				
			(c)	..	..	..	15	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16				
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Ulverston (R.)			(a)	..	1	3	20	5	..	..	..	..	1	1	..	..	3	..	25	23	3	..	..	..	85	No apparatus	39		
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	15	12	5	..	..	1	34				
			(c)	..	..	..	15	4	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	21				
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Darwen (B.)	20 beds for scarlet fever; ward for enteric fever, 8 beds, used for tuberculosis	Converted farm-house—2 beds	(a)	..	2	6	37	..	..	5	..	..	4	..	..	..	5	..	34	27	15	..	..	..	135	Steam—Centre of town	114		
			(b)	..	..	..	..	..	..	4	..	..	..	..	..	..	4	..	67	21	5	1	3	4	109				
			(c)	..	..	..	24	..	..	12	..	..	..	..	..	..	1	..	..	..	..	..	..	..	29				
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1				
Denton	4 beds, Hyde Boro. hospital	2 beds, Hyde	(a)	1	5	5	40	1	..	..	1	..	1	..	..	..	1	..	56	18	4	..	..	..	7	140	No apparatus	60	
			(b)	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..	22	11	1	7	2	1	..	47			
			(c)	1	2	..	7	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11				
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Droylsden	3 beds, Hyde Boro. hospital	1 bed, Hyde	(a)	..	7	4	39	1	..	..	..	..	2	..	..	..	1	..	60	20	13	..	..	..	147	Steam—Destructor Works	81 and 24 schools		
			(b)	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	23	15	1	9	..	..	50				
			(c)	..	4	..	13	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18				
			(d)	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2				
Eccles (B.)	20 beds, Salford Boro. hospital	6 beds, Salford	(a)	1	18	7	46	3	..	2	..	1	7	..	..	11	..	91	60	20	1020	47	..	173	1507	Steam—Sewage Works	1104		
			(b)	..	2	..	..	2	..	1	..	..	..	..	..	..	2	..	42	36	4	10	11	5	115				
			(c)	1	14	1	6	1	..	1	..	..	..	..	..	..	3	..	..	..	..	..	..	..	27				
			(d)	..	1	..	..	1	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	4				
Failsforth	At Oldham Borough hospital	Chadderton, &c., Joint Board—2 beds	(a)	..	37	12	61	10	..	1	2	..	4	4	..	12	..	72	23	19	..	..	..	11	268	Steam—Oldham C.B.	129		
			(b)	..	2	..	2	1	..	..	..	..	..	..	..	..	5	..	9	14	6	..	1	3	43				
			(c)	..	12	..	21	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	40				
			(d)	..	2	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4				
Farnworth	At Salford Borough Hospitals	At Bury, &c., joint hospital	(a)	..	17	13	60	3	..	3	..	1	6	..	..	14	..	17	35	28	..	..	..	198	Steam—Hospital	103			
			(b)	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	42	21	5	..	16	3	90				
			(c)	..	12	..	51	2	..	..	..	..	..	..	..	..	12	..	..	..	..	..	..	..	77				
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Formby	At Bootle Borough hospitals		(a)	..	2	2	4	2	..	..	..	..	..	..	..	..	..	..	13	2	..	..	..	25	Steam—Bootle C.B.	11			
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	3	1	..	..	8				
			(c)	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2				
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			

Disinfective

Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital (d) Deaths in hospital.

District.	For ordinary infectious diseases.	For Smallpox.	Smallpox.	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Continued Fever.	Puerperal Sepsis.	Meningococcal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Polio-encephalitis.	Acute Primary Pneumonia.	Acute Infectious Pneumonia.	Pulmonary & Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms disinfected.	
Grange-over-Sands	At Kendal Borough hospital	At Barrow Borough hospital	(a) 3 .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	2	2	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	7	No proper apparatus	1	
			(b) 3 .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1			3
			(c) 3 .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	3			3
			(d) 3 .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	3			3
Great Crosby	At Liverpool Borough hospitals		(a) .. 7 5 36 4 .. 1 1 1 2 27 13 6 .. 10 113	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	27	13	6	..	10	.. .. .	.. .. .	.. .. .	113	Dry heat—Council's Yard	11	
			(b) 1 1 14 9 2 1 .. 12 30	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	14	9	2	1	..	12	.. .. .	.. .. .	30			30
			(c) .. 4 .. 22 .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	26			26
			(d) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	..			..
Great Harwood	Nil Agreement with Blackburn C.B.—2 beds		(a) .. 12 3 17 .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	5	.. .. .	8	4	..	.. .. .	.. .. .	.. .. .	.. .. .	49	Steam—By arrangement with Accrington B. in special cases	2	
			(b) .. 1 .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	3	21	9	..	..	1	2	.. .. .	.. .. .	37			37
			(c) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	..			..
			(d) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	..			..
Hasingden (B.)	Agreement with Bury and District Joint Hospital Board		(a) .. 5 9 9 4 .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	2	.. .. .	.. .. .	.. .. .	14	..	31	13	11	..	.. .. .	.. .. .	.. .. .	.. .. .	98	Steam—Destructor Works	17	
			(b) 2 .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	5	..	20	8	2	2	1	3	.. .. .	.. .. .	43			43
			(c) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	..			..
			(d) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	..			..
Haydock	10 beds at St. Helens Borough hospital	St. Helens small-pox hospital—3 beds	(a) .. 8 15 30 .. .. .	.. .. .																									

District.	Nature of Hospital Accommodation.		Infectious Diseases.																				Disinfection.				
	For ordinary infectious diseases.	For Smallpox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital (d) Deaths in hospital.																				Apparatus and where situated.	No. of Houses or Rooms disinfected.			
			Smallpox.	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Continued Fever.	Puerperal Septic.	Meningococcal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Polio-encephalitis.	Acute Primary Pneumonia.	Acute Infectious Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.			Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.
Irlam ..	At Salford Boro. hospital (no contract)	2 beds, Salford, by agreement	(a) .. 26 (b) .. 4 (c) .. (d) ..	1	18 1					2					7 .. 4		22 .. 5	11 .. 8	7 .. 12						94 .. 27 .. 4 .. 2 ..	Steam—Town's Yard	67 rooms.
Kearsley ..	At Salford Borough hospital	At Bury, &c., joint hospital	(a) .. 9 (b) .. (c) .. 5 (d) ..	2	10 7					2						6 .. 6	8 .. 9	10 .. 3	3 .. 2	3 .. 1				47 .. 24 .. 12	Steam—Farnworth ..	42	
Lancaster (B.) ..	38 beds, Luneside	11 beds, Littlefell..	(a) .. 41 (b) .. 2 (c) .. 37 (d) .. 1	12 4	79 68	1 1		1		2					6 .. 1		68 .. 39	64 .. 35	29 .. 10 .. 4	.. 1 .. 6				303 .. 98 .. 110 .. 1 ..	Steam—Hospital ..	189	
Lathom and Burscough	Joint at Green Lane—26 beds	Arrangement with Liverpool C.B.	(a) .. 2 (b) .. (c) .. 2 (d) ..	1 7	8									14 .. 1	17 .. 8	6 .. 4	4		.. 1				38 .. 14 .. 9	Steam—Hospital ..	14		
Ormskirk ..			(a) .. 1 (b) .. (c) .. 1 (d) ..	2 13	13 1 .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	2 .. 1 .. 1 .. ..	.. .. .. ..	17 .. 15	12 .. 6	7 .. 1	.. 1 .. .. ..	.. .. .. ..	55 .. 25 .. 16	Steam—Hospital ..	31						
Loes ..	At Oldham Boro. hospital	Arrangement with Chadderton, &c., joint hospital	(a) .. 1 (b) .. (c) .. 1 (d) ..	4 2 .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	5 .. 7	4 .. 5 .. 1	6 .. 12	.. 3 .. .. ..	.. .. .. ..	.. .. .. ..	20 .. 18 .. 3	No proper apparatus	8			
Litherland ..	At Bootle Borough hospitals ..	..	(a) .. 19 (b) .. 3 (c) .. 19 (d) .. 3	3 2	74 .. 3 .. 62 .. 3 ..	2 1	1 1	1 .. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	3 .. 1 .. 3 .. 1 ..	.. .. .. ..	40 .. 18	22 .. 2	.. 12	.. 1	166 .. 72 .. 88 .. 7 ..	Steam—Council's Depôt, School Lane	133							
Littleborough ..	Joint at Smithy Bridge—16 beds	At Bury, &c., joint hospital	(a) .. (b) .. (c) .. (d) ..	29 27 .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	1	10 .. 7	6 .. 4 .. 3	.. 12	.. 3	.. 5 .. .. ..	.. .. .. ..	46 .. 20 .. 27	Steam—Hospital ..	43						
Milnrow ..			(a) .. (b) .. (c) .. (d) ..	4 13	13 1	1	1 .. .. .. ..	.. .. .. ..	17 .. 12	13 .. 3	6 5	56 .. 21 .. 14	Steam (portable)—Council Yard	17													
Wardle ..			(a) .. (b) .. (c) .. (d) ..	1 .. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	3 .. 12	1 .. 1	4 .. 7	Steam—Hospital ..	5														
Little Lever ..	At Bury, &c., joint hospitals	..	(a) .. (b) .. (c) .. (d) ..	1	1 .. .. .. ..	.. .. .. ..	.. .. .. ..	1 .. .. .. ..	.. .. .. ..	1 .. 2	3 .. 1	2	9 .. 3	Steam—Hospital ..	4												

District.	Nature of Hospital Accommodation.		Infectious Diseases.																							Disinfection.				
	For ordinary infectious diseases.	For Smallpox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																							Apparatus and where situated.	No. of Houses or Rooms disinfected.			
			Smallpox.	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Continued Fever.	Puerperal Sepsis.	Meningococcal Meningitis.	Polio-myelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Enteritis Lethargica.	Polio-encephalitis.	Acute Primary Pneumonia.	Acute Infectious Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.			Total.		
Little Crosby ..	At Liverpool Borough hospitals ..		(a) .. 1 .. 3 1	(b)	(c) .. 1 .. 3	(d)																				5	Dry-heat—Great Crosby	3		
Little Hulton	At Bolton Boro. hospital and at Leigh joint hospital	Nil	(a) .. 7 2 16 4	(b) .. 1 .. 1	(c) .. 3 .. 6 2	(d)										3		11	4	5		1	3	1		43	Steam—Hospital ..	38		
Middleton (B.) ..	At Rochdale Boro. hospital	At Chadderton &c., joint hospital	(a) .. 9 9 55 1 .. 1 .. 1 3 10 .. 85 19 20 161	(b) 1	(c) .. 7 .. 32 1 .. 1 9 .. 24 19 8 .. 4 4	(d) 1 3																				374	Steam—Corporation Street	276 rooms.		
Morecambe (B.)	25 beds and 2 cots	10 beds and 2 cots	(a) .. 7 5 16 1 3 2 .. 3 29 2 68	(b)	(c) .. 3 .. 16 1	(d)										1		7	11	1			1		21	20	Steam—near Electricity Works	55 and 214 rooms.		
Mossley (B.) ..	Nil	At Ashton-under-Lyne joint hospital	(a) .. 6 .. 23 4 1 1 .. 14 6 149	(b) 1	(c) 1	(d) 1												4	9	6	2		1		23	1	1	Steam—Corporation Yard	81	
Nelson (B.) ..	12 beds (Catlow) for scarlet fever	32 beds (Catlow) ..	(a) .. 10 13 44 1 .. 1 4 .. 33 35 22 163	(b) .. 2 .. 1 1	(c) 6	(d)										5†		26	24	9		4	3		75	6	Steam—Destructor Works	248 rooms.		
Newton-in-Makerfield	26 beds	At Liverpool Boro. hospital	(a) .. 14 9 32 2 .. 2 1 4 .. 100 32 13 .. 4 .. 213	(b) .. 4 1	(c) .. 10 2 22 1 .. 1 3 .. 28 17 1 10 .. 5	(d) .. 2																				69	39	4	Steam—Hospital ..	103 and 6 schools.
Norden	Nil	Converted farmhouse—4 beds	(a) .. 1 .. 2	(b)	(c)	(d)												8	5	5						21	12	No proper apparatus	15	
*Orrell	Nil	Arrangement with Billinge	(a) .. 7 6 11 4 1 9 13 13 64	(b) 2	(c)	(d)												10	5	3	8		1		29		No proper apparatus	20		
Oswaldtwistle ..	Nil, but cases occasionally sent to Blackburn C.B. No agreement	19 beds	(a) .. 8 8 26 1 7 1 .. 33 12 10 106	(b) 1	(c) .. 1 .. 3 1 2 19 6 6 1 4 3 .. 40	(d) 1																				7	1	Steam—Gas Works	130	

† One inward transfer at Nelson (B.).

District.	Nature of Hospital Accommodation.		Infectious Diseases.																								Disinfection.		
	For ordinary infectious diseases.	For Smallpox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital																								Apparatus and where situated.	No. of Houses or Rooms disinfected.	
			Smallpox.	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Continued Fever.	Puerperal Sepsis.	Meningococcal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Polio-encephalitis.	Acute Primary Pneumonia.	Chronic Infectious Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.			
Prescot ..	At Winston Sanatorium		(a)	..	20	1	44	..	..	1	..	..	3	..	..	..	..	8	13	11	..	..	..	..	93	Steam—Whiston Sanatorium ..	77		
			(b)	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	9	..	..	..	..	..	..	29			
			(c)	..	5	..	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25			
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Prestwich ..	Agreement with Bury & District Joint Hospital Board	At Salford Small-pox Hospital	(a)	..	6	9	24	1	..	1	..	..	..	..	1	3	..	3	17	5	..	..	..	..	..	74	Steam—Salford C.B.	63	
			(b)	..	..	..	..	..	..	1	..	..	..	..	..	..	..	2	7	3	1	..	..	..	..	26			
			(c)	..	3	..	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17			
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Radcliffe ..			(a)	..	18	18	14	1	..	3	..	..	..	..	..	11	..	93	16	27	..	..	..	..	..	201	Steam—Hospital ..	87	
					(b)	..	1	..	..	..	12	..	..	..	..	..	..	..	23	12	8	8	1	12	..	57			
					(c)	..	15	2	12	..	..	3	..	..	..	..	..	7	..	..	..	..	..	..	..	..	39		
					(d)	..	..	..	..	..	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	
Ramsbottom ..			(a)	..	6	6	33	2	..	2	..	1	1	..	..	1	..	29	8	7	..	..	..	..	..	172	Steam—Destructor Works	43	
					(b)	..	..	..	1	..	..	..	..	..	..	..	..	..	18	10	7	1	1	3	..	41			
					(c)	..	4	..	25	2	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	33		
					(d)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Tottington ..	At hospitals of the Bury and District Joint Hospital Board :—		(a)	..	5	15	51	3	..	..	..	..	3	..	..	..	..	47	7	5	..	..	..	..	94	230	Steam—Hospital ..	37	
	90 beds 40 beds		(b)	..	..	..	3	..	..	..	..	..	..	..	..	..	..	9	6	1	..	..	..	..	..	21			
			(c)	..	5	2	41	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50			
			(d)	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2			
Whitefield ..			(a)	..	9	3	14	4	..	..	..	..	..	..	..	5	..	37	8	2	..	..	..	..	..	82	Steam—Florence Nightingale Hospital, Bury	47	
					(b)	..	..	1	..	..	..	..	..	..	..	..	1	..	4	11	12	..	..	..	..	19			
					(c)	..	9	..	9	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	21		
					(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Bury (R.) ..			(a)	..	2	1	6	32	..	..	..	..	..	..	..	4	..	7	11	3	..	..	..	..	26	62	Steam—Florence Nightingale Hospital, Bury	35	
					(b)	..	..	..	12	..	..	..	..	..	..	..	..	..	6	6	3	..	3	..	..	20			
					(c)	..	2	..	3	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	7		
					(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rainford ..	Smallpox hospital when not required for smallpox cases.	4 beds	(a)	..	5	1	6	..	..	..	..	..	..	..	..	..	9	3	2	..	..	..	..	..	..	26	No apparatus ..	6	
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	3	..	..	..	..	..	..	8			
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Rawtenstall (B.)	Arrangement made with Bury and District Joint Hospital Board	22 beds (The Ridgø)	(a)	..	15	11	24	3	..	1	..	3	..	..	8	..	15	32	21	..	..	..	..	..	..	133	Steam—Smallpox hospital	105	
			(b)	..	2	..	1	..	..	..	12	..	..	..	4	..	27	23	7	2	1	3	..	..	..	71			
			(c)	..	2	..	5	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8			
			(d)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			
Rishton ..	Nil, " but can send to Blackburn "	At Oswaldtwistle by agreement	(a)	..	6	7	4	..	..	..	..	..	..	..	1	..	33	8	6	..	..	..	..	..	..	65	Portable Steam Disinfector	27	
			(b)	..	1	..	1	..	..	..	..	..	..	..	1	..	6	4	2	..	..	..	..	..	..	15			
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Skelmersdale ..	30 beds ; and at West Lancashire hospital (if required)	Nil	(a)	..	..	4	6	2	..	..	..	..	..	..	1	..	8	7	8	..	..	..	..	..	..	36	Steam—West Lancashire Hospital	13	
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	4	..	..	..	..	..	..	8			
			(c)	..	..	..	6	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8			
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			

District.	Nature of Hospital Accommodation.		Infectious Diseases.																				Disinfection.	
	For ordinary infectious diseases.	For Smallpox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																				Apparatus and where situated.	No. of Houses or Rooms disinfected.
			Smallpox.	Diphtheria.	Erysipelas.	Scarlat Fever.	Enteric Fever.	Continued Fever.	Puerperal Sepsis.	Meningococcal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Eczematous Lethargia.	Polio-encephalitis.	Measles Primary Pneumonia Acute Infectious Pneumonia	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.			Diphtheria, &c. (under 2 years).	Chicken-pox.	Total.
*Standish-with-Langtree ..	Cases are sent to Wigan C.B. hospitals by arrangement	Nil	(a) .. 4 6 4 6 3 .. 113 8 5 149 (b) 3 2 .. 34 5 1 3 .. 45 (c) 3 (d)	No apparatus ..	20																			
Sureford ..	At Salford Borough hospitals (18 beds)	 (6 beds)	(a) .. 32 19 120 12 .. 12 1 .. 9 18 .. 74 59 35 859 33 .. 208 1471 (b) 2 .. 1 1 5 .. 40 48 8 3 4 5 .. 117 (c) .. 18 .. 61 12 .. 1 1 6 89 (d) 1 1 5 8	Steam—Sanitary Depot ..	263																			
Swinton and Pendlebury ..	At Salford Boro. hospital (14 beds)	Joint at Linnyshaw Moss—20 beds	(a) .. 21 24 71 2 .. 12 2 .. 4 .. 132 30 18 127 433 (b) .. 4 44 24 3 9 9 9 .. 104 (c) .. 10 2 36 1 1 56 (d) .. 2 2	Steam—Destructor Works ..	316 rooms & 581 school-rooms																			
Worsley ..	At Salford Boro. hospital (6 beds)		(a) .. 5 6 56 2 .. 5 .. 2 9 7 11 103 (b) .. 1 .. 1 1 .. 23 12 3 44 (c) 3 3 (d)	Steam—Salford C.B. ..	70																			
Trawden ..	At Colne Borough hospitals		(a) 1 1 .. 1 1 3 (b) 1 1 2 (c) (d)	Steam—Nelson (B.) ..	6																			
Furton ..	At Bury, &c., joint hospital		2 beds (Bury, &c., joint hospital)	(a) .. 7 3 12 .. 1 3 .. 8 7 7 48 (b) .. 1 1 1 .. 6 6 1 1 17 (c) 4 4 (d)	No apparatus ..	58																		
*Upholland ..	Nil. Occasionally sent to Wigan C.B.	Tent—8 beds ..	(a) .. 1 4 27 5 1 .. 2 4 7 51 (b) .. 1 .. 1 1 .. 6 1 1 12 (c) 2 2 (d)	Steam—Billinge Workhouse ..	34																			
Urmston ..	At Salford Borough hospitals (8 beds)	 (2 beds)	(a) .. 1 3 6 2 8 9 5 34 (b) .. 1 2 6 2 2 .. 1 .. 12 (c) .. 1 .. 3 2 6 (d) .. 1 1	Steam—Salford C.B. ..	19																			
Walton-le-Dale ..	20 beds (School Lane)	8 beds (Bradkirk)	(a) .. 3 2 8 2 1 .. 7 19 7 58 (b) 1 1 .. 16 12 4 4 .. 2 40 (c) .. 2 .. 7 2 1 12 (d) 1 1	Steam—Hospital ..	54																			
Waterloo-with-Seasorth ..	At Liverpool Borough hospitals ..		(a) .. 29 11 91 6 .. 2 .. 4 2 .. 3 .. 23 64 23 343 .. 3 .. 604 (b) .. 2 1 2 1 .. 1 .. 22 35 6 1 3 4 .. 75 (c) .. 22 .. 49 4 .. 1 3 82 (d) .. 2 1 1 4	Steam—Council's Yard ..	277																			

District.	Nature of Hospital Accommodation.		Infectious Diseases.																				Disinfection.				
	For ordinary infectious diseases.	For Smallpox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																				Apparatus and where situated.	No. of Houses in district.			
			Smallpox.	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Continued Fever.	Puerperal Sepsis.	Meningococcal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Polio-encephalitis.	Acute Primary Pneumonia.	Acute Infectious Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.			Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.
Whitworth ..	Arrangement with Rochdale C.B.	Cottage—12 beds	(a) ..	4	3	1	..	..	..	1	..	..	..	..	..	12	..	16	12	7	..	..	..	25	71	No apparatus	..
			(b) ..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	6	1	..	..	..	1	18			
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Widnes (B.) ..	36 beds (Crow Wood)	8 beds (Barrow's Green)	(a) ..	152	9	320	8	..	7	..	8	..	..	..	1	..	288	58	58	..	..	..	..	909	Steam—Hospital	..	
			(b) ..	18	..	6	12	..	1	..	..	..	..	..	..	..	51	42	8	9	12	7	..	158			
			(c) ..	139	..	263	8	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	411			
			(d) ..	10	..	6	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18			
Withnell ..	25—30 beds	2 beds at Finnington (Blackburn)	(a) ..	..	..	1	..	..	..	..	..	..	..	..	..	..	3	2	3	..	..	..	..	9	No apparatus	..	
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	..	..	3			
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Barton-upon-Irwell (R.) ..	At Salford Borough hospitals (5 beds)	(2 beds)	(a) ..	4	3	17	..	..	..	..	..	..	..	..	1	..	15	7	4	..	..	..	..	51	Steam—Mode Wheel Salford	..	
			(b) ..	..	..	1	..	..	..	..	..	..	..	..	..	..	9	7	12	1	1	1	..	22			
			(c) ..	2	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7			
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Blackburn (R.) ..	Nil.—Cases can be removed to Blackburn C.B., Chorley (joint), & Withnell fever hospitals	1 bed at Finnington (Blackburn)	(a) ..	..	1	7	1	..	..	1	..	..	..	..	1	..	9	9	2	..	..	..	..	31	No apparatus	..	
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	15	4	1	1	1	..	..	24			
			(c) ..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3			
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Clietheroe (R.) ..	Nil ..	Arrangement with Blackburn C.B.	(a) ..	5	3	6	..	..	..	..	1	..	..	18	3	..	61	34	13	..	..	..	..	46	190	Steam—Clietheroe (B.	..
			(b) ..	1	..	..	..	..	..	..	..	..	..	..	1	..	5	3	..	..	..	..	..	10			
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Lancaster (R.) ..	At Lancaster Borough hospitals	..	(a) ..	2	1	44	3	..	..	..	..	..	..	1	..	5	10	2	..	..	..	..	..	68	No apparatus	..	
			(b) ..	..	..	1	..	..	..	..	..	..	..	1	..	10	5	..	3	..	..	..	..	20			
			(c) ..	..	..	37	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	39			
			(d) ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			
Lunesdale (R.) ..	Hospital at Farleton (12 beds)	..	(a) ..	10	..	13	..	..	1	..	..	..	..	..	1	..	..	7	1	..	..	..	..	32	Steam—Lancaster (B.)	..	
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	3			
			(c) ..	6	..	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16			
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Sefton (R.) ..	At Liverpool Borough hospitals	..	(a) ..	7	..	9	..	..	..	..	..	..	..	..	..	2	8	..	..	..	..	..	..	26	Steam—Liverpool C.B.	..	
			(b) ..	1	..	..	..	..	..	..	..	..	..	..	..	9	4	..	..	..	1	..	..	15			
			(c) ..	6	..	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15			
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Warrington (R.) ..	At Warrington C.B. and Newton-in-Makerfield	At Warrington C.B.	(a) ..	7	3	29	..	2	..	..	1	..	..	2	..	40	10	13	..	..	..	..	..	107	Steam—Hospital	..	
			(b) ..	..	..	..	..	1	..	..	..	..	..	..	..	4	8	1	..	..	..	..	..	14			
			(c) ..	7	1	16	..	2	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	27			
			(d) ..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			

District.	Nature of Hospital Accommodation.		Infectious Diseases.																				Disinfection.					
	For ordinary infectious diseases.	For Smallpox.	<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																				Apparatus and where situated.	No. of Houses or Rooms disinfected.				
			Smallpox.	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Continued Fever.	Puerperal Sepsis.	Meningococcal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Polio-encephalitis.	Acute Primary Pneumonia.	Acute Infectious Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.			Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.
West Lancashire (R.)	26 beds—(Aughton)	Tent—8 beds. Arrangement with Liverpool Corporation for additional accommodation	(a) .. 6 10 (b) .. 1 .. (c) .. 5 .. (d)	23 4 .. 1 16 3 .. 1 .. ..	.. .. .. .. .. .. .. ..	1 .. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	2 .. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	5 12 1 12 10 1 1 1 .. ..	.. .. .. .. .. .. .. ..	24 21 3 16 10 1 .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	99 32 25 12	Steam—Hospital ..	70	
Whiston (R.) ..	36 beds ..	20 beds ..	(a) .. 19 7 53 2 .. (b) .. 1 1 .. (c) .. 19 .. 41 2 .. (d) .. 1 1 ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	1 1 1 1 .. ..	.. .. .. .. .. .. .. ..	2 .. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	10 12 .. .. .. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	19 86 27 .. 27 14 2 3 .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	228 49 63 2	Steam—Sanatorium	72			
*Wigan (R.) ..	Cases are sent to Wigan C.B. hospital by arrangement	Cottage—4 beds	(a) .. 1 4 4 2 .. (b) .. 1 (c) 1 1 .. (d) .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	59 1 3 .. 14 3 2 .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	74 20 2 ..	No apparatus ..	14			
County, 1924 —			(a)	102	1199	666	3399	234	..	84	18	20	152	13	..	33	299	..	3626	2098	1225	2581	108	3	2115	13975		
Total cases notified			(b)	..	93	..	42	29	..	46	15	5	..	..	..	..	103	..	1877	1215	339	263	184	234	..	4445		
.. deaths			(c)	102	691	22	1940	156	..	26	6	..	13	1	..	..	78	..	..	..	..	..	..	..	..	3035	Total houses or rooms disinfectd ..	10375 ..
.. removals to hospital			(d)	..	37	1	23	11	..	13	3	..	..	..	..	..	26	..	..	..	..	..	..	..	..	114	and 669 schools or school rooms.	

TABLE G.

HOSPITAL ACCOMMODATION. DISINFECTING APPARATUS. NOTIFICATIONS OF INFECTIOUS DISEASES. INDEX TO DISTRICTS:—

URBAN DISTRICTS.		URBAN DISTRICTS.		No. of Houses or Rooms dis- infected
	Page.		Page.	
Abram	1	Milnrow	8	26
Accrington (B.)	1	Morecambe (B.)	9	
Adlington	1	Mossley (B.)	9	
Ashton-in-Makerfield ..	1	Nelson (B.)	9	
Ashton-under-Lyne (B.)	2	Newton-in-Makerfield .	9	
Aspull	1	Norden	9	
Atherton	2	Ormskirk	8	
Audenshaw	2	Orrell	9	
Bacup (B.)	2	Oswaldtwistle	9	
Barrowford	4	Padiham	4	
Billinge	4	Poulton-le-Fylde	3	101
Blackrod	4	Preesall	3	
Brierfield	4	Prescot	10	
Carnforth	5	Prestwich	10	
Chadderton	5	Radcliffe	10	
Chorley (B.)	1	Rainford	10	
Church	5	Ramsbottom	10	
Clayton-le-Moors	5	Rawtenstall (B.)	10	
Clitheroe (B.)	5	Rishton	10	
Colne (B.)	5	Royton	5	
Crompton	5	Skelmersdale	10	14
Croston	5	Standish-with-Langtree	11	
Dalton-in-Furness	6	Stretford	11	
Darwen (B.)	6	Swinton & Pendlebury..	11	
Denton	6	Thornton	3	
Droylsden	6	Tottington	10	
Eccles (B.)	6	Trawden	11	
Failsworth	6	Turton	11	
Farnworth	6	Tyldesley-with		
Fleetwood	3	Shakerley	2	
Formby	6	Ulverston	6	92
Fulwood	4	Upholland	11	
Golborne	2	Urmston	11	
Grange-over-Sands	7	Walton-le-Dale	11	
Great Crosby	7	Wardle	8	
Great Harwood	7	Waterloo-with-Seaforth	11	
Haslingden (B.)	7	Westhoughton	4	
Haydock	7	Whitefield	10	
Heysham	7	Whitworth	12	
Heywood (B.)	7	Widnes (B.)	12	
Hindley	7	Withnell	12	47
Horwich	4	Worsley	11	
Hurst	2	RURAL DISTRICTS.		
Huyton-with-Roby	7	Barton-upon-Irwell ...	12	
Ince-in-Makerfield	7	Blackburn	12	
Irlam	8	Burnley .	4	
Kearsley	8	Bury	10	
Kirkham	3	Chorley	1	
Lancaster (B.)	8	Clitheroe	12	
Lathom and Burscough	8	Fylde	3	
Lees	8	Garstang	3	30
Leigh (B.)	2	Lancaster	12	
Leyland	1	Leigh	2	
Litherland	8	Limehurst	2	
Littleborough	8	Lunesdale	12	
Little Crosby	9	Preston	4	
Little Hulton	9	Sefton	12	
Little Lever	8	Ulverston	6	
Longridge	4	Warrington	12	
Lytham Saint Anne's (B.)	3	West Lancashire	13	
Middleton (B.)	9	Whiston	13	ified.
		Wigan	13	

In addition to the compounds referred to in the table, the following preparations are on the "approved" list, and supplies are available at the County Public Health Department :—Arsenobillon, Diarsenol, Arsenobenzol (Corbiere), Neo-Salvarsan (Boots), Salvarsan (A. C. Henry), Neo-Salvarsan and Sodium Salvarsan (A. C. Henry), Silver Salvarsan (A. C. Henry), Arseno-Argentum.

EDUCATIONAL AND PROPAGANDA WORK.—This work has proceeded in 1924 on lines indicated in previous reports. The approximate number of persons attending the lectures and film showings during the year are set out below :—

Lectures and Addresses by Organising Lecturer, &c.			Medical Lectures.			Lectures to Teachers.	Lantern Lectures.	Film Lectures.	Child Welfare Centres.	Total.
Men.	Women	Mixed.	Men.	Women	Mixed.					
500	2605	885	260	..	200	290	340	16580	315	21975

Notification of Infectious Diseases.—Table "G," here inserted, gives the number of cases of infectious disease notified in each urban and rural district in the Administrative County during the year 1924, under the Infectious Disease (Notification) Act, 1889, the Public Health (Tuberculosis) Regulations, and under various other Regulations and Orders.

The following statement, compiled from the information supplied by local Medical Officers of Health in their Annual Reports, shows that the notifications in 1924 amounted in the aggregate to 17,975 :—

	1923.	1924.
Smallpox	77	102
Diphtheria	1,209	1,199
Erysipelas... ..	729	666
Scarlet Fever	4,346	3,399

				1923.	1924.
Enteric Fever	...	...	...	142	234
Continued Fever	...	...	...	1	0
Puerperal Fever	...	...	...	77	84
Meningococcal Meningitis (Cerebro-					
Spinal Fever)	...	...	...	11	18
Poliomyelitis	...	...	...	23	20
Ophthalmia Neonatorum	...	...	...	210	152
Pulmonary Tuberculosis	...	...	...	2,045	2,098
Other forms of Tuberculosis	...	...	...	1,305	1,225
*Measles and German Measles	...	...	...	901	2,581
*Whooping Cough...	...	...	...	375	108
*Infantile Diarrhœa	...	...	...	44	3
*Chicken-pox	...	...	...	2,481	2,115
Malaria	...	...	...	14	13
Dysentery...	...	...	...	77	33
Acute Primary Pneumonia and Acute					
Influenzal Pneumonia	...	...	...	3,239	3,626
Encephalitis Lethargica	...	...	...	61	299
Polio-Encephalitis	...	...	...	2	0
Totals	...	...	...	17,369	17,975

* Notifiable in a few districts only.

The variation in the number of notified cases as compared with 1923 was most marked in scarlet fever, a decrease of 947, and in measles, an increase of 1,680, but the latter disease is notifiable in only a few districts.

Table "H" here inserted, gives the age periods of the notified cases.

Chicken-pox was "notifiable" in 1924 in 36 County districts, measles in six districts, whooping-cough in four districts, and infantile diarrhœa in one district.

TABLE H.

ADMINISTRATIVE COUNTY OF LANCASTER.

THE INFECTIOUS DISEASE (NOTIFICATION) ACT, 1889.

NUMBER OF NOTIFICATIONS IN AGE PERIODS FOR THE YEAR 1924.

Disease.	Total Cases at all Ages.	Under 1 year.	1—2	2—3	3—4	4—5	5—10	10—15	15—20	20—35	35—45	45—65	65 and up- wards.
Smallpox	102	1	...	2	2	2	21	25	12	19	5	6	7
Diphtheria	1199	12	48	64	101	104	404	237	82	102	24	20	1
Erysipelas	666	4	2	3	2	...	12	7	22	88	153	282	91
Scarlet fever	3399	19	60	162	255	355	1392	717	203	192	31	13	...
Enteric fever	234	...	1	10	12	4	30	37	39	59	13	28	1
Puerperal fever	84	...	...	...	...	...	...	...	3	62	19	...	...
Cerebro-spinal fever (meningococcal meningitis)	18	3	3	...	2	1	...	3	2	1	1	2	...
Poliomyelitis	20	3	4	5	3	2	...	2	...	1	...	...	...
Ophthalmia neonatorum ...	152	152	...	...	...	...	...	...	...	...	...	...	...
Malaria	13	1	...	...	...	...	...	...	...	9	2	...	1
Dysentery	33	...	...	...	...	2	7	5	3	7	6	3	...
Encephalitis lethargica ...	299	3	3	3	1	6	21	38	42	66	40	67	9
Acute primary pneumonia & acute influenzal pneumonia	3626	250	300	223	262	169	429	175	214	527	366	504	207
Tuberculosis :—													
Pulmonary	2098	6	7	9	9	16	73	120	254	734	384	448	38
Non-pulmonary	1225	23	61	46	61	62	187	206	189	237	69	66	18
Total	*13168	477	489	527	710	723	2576	1572	1065	2104	1113	1439	373

* Other notifications (in a few districts)—age-periods not given—measles 2,581, whooping cough 108, chicken-pox 2,115, diarrhæa (under two years) 3. Total notifications in County 17,975.

Isolation Hospitals.—Table “G,” inserted opposite page 65, shows the nature of the hospital accommodation provided in, or available for, each County sanitary district, and also gives for each district—

- (a) the number of cases of infectious disease notified ;
- (b) the total deaths from such diseases ;
- (c) the number of cases removed to hospital ; and
- (d) the number of deaths in hospital.

Summarised, the position of the Administrative County as regards hospital accommodation for small-pox and other infectious diseases is shown in the following statement :—

				For infectious diseases other than smallpox.		For smallpox.
No. of Districts with their own Hospital ...	21	...	23			
„ using the hospitals of Joint Hospital Boards or Committees ...	45	...	48			
„ using other hospitals within the Administrative County (i.e., belonging to other urban or rural authorities) ...	8	...	10			
„ using hospitals not in the Administrative County (chiefly those belonging to County Boroughs) ...	35	...	33			
„ without hospital accommodation ...	12	...	7			

REMOVAL OF CASES.—The following table gives the number and percentage of removals to hospital in 1924 of cases of

smallpox, scarlet fever, diphtheria, and enteric fever, and contrasts the mortality of cases isolated in hospital with that of cases treated at home :—

	Total cases notified.	Hospital Treatment.			Home Treatment.		Case mortality per cent.	
		Cases removed to hospital.	Percentage of removals.	Deaths in hospital.	Cases treated at home.	Deaths at home.	In hospital.	At home.
Smallpox ..	102	102	100·0	..	..	..	..	..
Scarlet Fever.	3399	1940	57·0	23	1459	19	1·18	1·30
Diphtheria ..	1199	691	57·6	37	508	56	5·35	11·22
Enteric Fever.	234	156	66·6	11	78	18	7·05	23·07

The percentages of removals to hospital in the year 1923 were : scarlet fever 55·7, diphtheria 60·8, and enteric fever 50·0.

During the year few changes took place as regards local arrangements for hospital accommodation. Preesall, formerly sending cases to the Fylde Joint Hospital, now sends to Blackpool; Farnworth has ceased to use its own hospital and sends patients to the Salford hospitals; Kearsley also now sends to Salford, and Little Lever to the Bury Joint Hospital.

Disinfection.—The following statement, showing the position of the County districts in regard to the provision of disinfecting apparatus, is prepared from information supplied by local Medical Officers of Health :—

Districts provided with steam apparatus, or using steam apparatus at hospitals	66
„ using steam apparatus belonging to other districts (mainly County or Municipal Boroughs)	23

Districts provided with dry-heat apparatus	...	1
„ using dry-heat apparatus belonging to another district	... ..	1
„ without proper appliances	... ..	30

Houses or rooms disinfected in 1924 numbered 10,375, and 668 schools or schoolrooms were also disinfected.

The Medical Officers of Health of Chadderton, Denton, Great Harwood, and Withnell recommend the provision of efficient disinfecting apparatus.

Special Inspections of Districts by the County Public Health Staff.—The special investigations by the County Public Health Staff into the sanitary circumstances and administration of the County districts continue. So far (July, 1925), 66 districts have been wholly covered and two large rural areas partially covered. In each instance an exhaustive report has been prepared, with certain recommendations, and copies forwarded to the local authorities.

Re-inspections of these districts take place from time to time.

OTHER SPECIAL INSPECTIONS BY THE COUNTY STAFF.—During the year 1924, many special investigations have been carried out by the County Staff and reports prepared. Amongst these may be mentioned the following :—

Consultations *re* cases or suspected cases of smallpox in many County districts.

Outbreaks of enteric fever, (1) due to milk supply, (2) due to a “carrier” case.

Investigations into several cases of encephalitis lethargica; recurrent pemphigus, &c.

Action in regard to the sale of tuberculous milk from farms in six districts.

Enquiries *re* unsatisfactory water supplies, pollution of rivers, ditches and water-courses ; visits to sewage disposal works ; refuse tips ; action *re* smoke nuisance, and many miscellaneous subjects.

Housing.—Table “I,” here inserted, is a statement extracted from the reports of local Medical Officers of Health showing the action taken in each district during the year 1924 in regard to inspections of house premises, action taken to remedy defects, and also details as to the provision of *new* houses.

The following statement summarises the housing work carried out in the Administrative County during 1924, and for comparative purposes gives the 1923 figures :—

	1923.	1924.
<i>Unfit dwelling-houses—</i>		
No. of houses inspected ...	34,177 ...	35,618
No. inspected under Regulations	9,110 ...	8,581
No. found unfit for habitation	394 ...	291
No. found not reasonably fit ...	10,900 ...	12,241
No. rendered fit as result of informal action ...	9,493 ...	11,723
<i>Action under Statutory Powers— Section 28 of Housing, Town Planning, &c., Act, 1919—</i>		
No. of notices ...	2,191 ...	1,479
Rendered fit—By Owners ...	1,696 ...	1,420
By L.A., in default ...	88 ...	139
No. closed voluntarily ...	8 ...	15
<i>Under Public Health Acts—</i>		
No. of notices ...	5,573 ...	7,719
Defects remedied—By owners...	4,589 ...	7,077
By L.A., in default ...	594 ...	22

ADMINISTRATIVE COUNTY OF LANCASTER.

TABLE I.—HOUSING. SUMMARY OF WORK CARRIED OUT DURING THE YEAR 1934 UNDER THE HOUSING AND PUBLIC HEALTH ACTS.

TABLE I.—HOUSING. SUMMARY OF WORK CARRIED OUT DURING THE YEAR 1934 UNDER THE HOUSING AND PUBLIC HEALTH ACTS.																					
DISTRICT.	UNFIT DWELLING HOUSES.					ACTION UNDER STATUTORY POWERS IN REGARD TO HOUSING.												No. of houses demolished voluntarily by owners or converted to workshops.	NEW HOUSES.		
	Total No. inspected for Housing defects.	No. inspected under Housing Regulations.	No. found unfit for habitation.	No. found not reasonably fit for habitation.	No. rendered fit as result of informal action.	Under Section 24, Housing, Town Planning, &c., Act, 1929.				Under the Public Health Acts.		Proceedings under Sections 17 and 18 of Housing, Town Planning, &c., Act, 1909.							No. of new houses erected during the year.		
						No. in respect of which notices served requiring repairs.	No. rendered fit.		No. in respect of which notices served to remedy defects.	No. in which defects remedied.	No. of representations with a view to making Closing Orders.	No. in respect of which Closing Orders made.	No. of Closing Orders determined dwellings having been rendered fit.	No. in respect of which Demolition Orders made.	No. demolished in pursuance of Demolition Orders.	Total.	With State Assistance under Housing Acts of 1919 or 1923.		No. of houses in course of erection under Council's Building Scheme.		
							By owners.	By Local Authority in default of owners.												No. closed voluntarily.	
URBAN—																					
Barrow ...	150	12	...	30	18	6	4	...	...	80	65	...	2	2	...	...	...	...	...	...	...
Barnington (B.) ...	7	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	129	102	4	103
Barnsley ...	46	...	...	19	14	5	5	...	...	...	...	...	...	...	...	...	...	2	...	1	...
Barnsley-in-Makerfield ...	819	191	1	324	188	...	...	...	...	136	108	...	1	1	1	...	...	3	4	...	4
Barnsley-under-Lyne (B.) ...	456	151	...	...	137	...	...	...	...	227	217	...	...	...	...	...	...	3	276	90	117
Barnsley ...	342	134	1	315	120	...	...	...	...	42	24	...	1	...	...	...	...	1	1	...	...
Barnsley ...	197	197	2	...	104	...	...	...	...	204	204	...	...	...	...	...	...	2	...	...	...
Barnsley ...	37	27	...	18	6	5	5	...	...	7	7	...	...	...	...	...	...	4	30	...	12
Barnsley (B.) ...	45	45	8	...	37	...	...	...	...	614	581	...	...	...	...	8	8	...	44	42	2
Barnsley ...	36	17	13	4	17	6	6	...	...	...	...	...	...	...	...	...	...	8	...	3	...
Barnsley ...	30	...	...	...	30	...	...	...	...	...	...	...	...	...	...	...	2	...	20	...	19
Barnsley ...	33	33	...	33	3	...	...	...	...	30	24	...	1	...	...	...	...	...	...	...	...
Barnsley ...	130	22	1	2	2	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...
Barnsley ...	27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...
Barnsley ...	601	19	...	...	...	...	...	...	...	601	505	...	7	7	...	...	...	11	31	...	19
Barnsley (B.) ...	115	115	3	97	48	49	37	...	...	...	...	...	...	...	...	...	...	3	47	14	16
Barnsley ...	94	10	...	8	8	...	...	...	...	...	...	...	...	...	...	...	...	4	...	4	...
Barnsley-le-Moors ...	98	98	...	...	90	...	...	...	...	6	6	...	...	...	...	...	...	8	...	8	...
Barnsley (B.) ...	118	118	7	51	26	...	...	...	...	...	...	7	...	...	...	...	...	44	22	16	30
Barnsley (B.) ...	516	387	...	64	61	3	3	...	...	122	119	...	...	...	...	...	...	3	21	...	6
Barnsley ...	187	19	11	135	65	20	13	...	1	41	36	...	1	1	1	...	...	2	...	...	24
Barnsley ...	10	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Barnsley-in-Furness ...	2805	235	11	101	37	34	13	...	...	...	...	...	...	...	...	...	...	2	...	...	...

TABLE I.—Continued.

DISTRICT.	UNFIT DWELLING HOUSES.					ACTION UNDER STATUTORY POWERS IN REGARD TO HOUSING.													No. of houses demolished voluntarily by owners or converted to workshops.	NEW HOUSES.			
	Total No. inspected for Housing defects.	No. inspected under Housing Regulations.	No. found unfit for habitation.	No. found not reasonably fit for habitation.	No. rendered fit as result of informal action.	Under Section 26, Housing, Town Planning, &c., Act, 1929.			Under the Public Health Acts.			Proceedings under Sections 17 and 18 of Housing, Town Planning, &c., Act, 1929.					Total.	No. of new houses erected during the year.					
						No. in respect of which notices served requiring repairs.	No. rendered fit.		No. in respect of which notices served to remedy defects.	No. in which defects remedied.		No. of representations with a view to making Closing Orders.	No. in respect of which Closing Orders made.	No. of Closing Orders determined having been rendered fit.	No. in respect of which Demolition Orders made.	No. demolished in pursuance of Demolition Orders.		With State Assistance under Housing Acts of 1919 or 1923.		No. of houses in course of erection under Council's Building Scheme.			
							By owners.	By Local Authority in default of owners.		No. closed voluntarily.	By owners.										By Local Authority in default of owners.		
Darwen (B.)	2609	132	68	6	6	...	...	...	...	6	6	...	68	1	...	1	...	1	20	4	8	46	
Denton	298	70	...	41	173	...	...	...	...	54	66	...	...	...	...	...	...	1	14	...	8	10	
Droyliden	500	...	...	157	244	...	...	...	...	173	157	...	...	...	...	...	...	...	3	...	...	...	
Ereles (B.)	1955	447	...	447	1573	288	477	95	...	382	1573	...	...	...	...	...	...	...	50	...	12	176	
Falworth	327	51	...	198	183	...	...	...	...	50	45	...	...	...	...	...	...	...	3	...	...	...	
Farnworth	510	290	...	362	36	237	167	...	...	119	94	...	2	2	12	...	1	...	42	30	8	38	
Fleetwood	410	...	...	340	261	...	...	...	...	79	79	...	...	...	...	...	...	...	169	84	24	91	
Formby	42	39	...	18	9	6	...	...	...	1	...	...	...	...	...	...	...	...	98	14	30	...	
Fulwood	56	56	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	46	...	...	...	
Isborne	127	...	...	1	120	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	
Grange-over-Sands	5	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18	...	...	18	
Great Crosby	331	25	...	16	47	...	...	...	...	...	...	...	...	...	...	...	...	...	100	...	...	...	
Great Harwood	52	52	...	52	...	52	52	...	...	...	...	...	...	...	...	...	...	...	10	...	10	...	
Hallington (B.)	753	...	1	...	...	...	...	...	...	235	235	...	1	1	...	...	...	...	6	...	6	20	
Haydock	557	121	...	410	85	...	...	...	...	363	345	...	...	...	...	...	...	...	34	34	...	...	
Heysham	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	97	...	42	...	
Heywood (B.)	124	21	7	14	7	...	...	...	...	135	132	...	...	...	...	...	...	...	24	...	19	...	
Hindley	849	284	...	849	264	...	...	...	...	849	173	...	...	...	...	...	2	...	...	...	...	...	
Horwich	54	8	...	54	34	8	8	...	...	12	12	...	...	...	...	...	...	...	7	...	7	12	
Hurst	95	95	...	...	12	...	...	...	...	12	12	...	...	...	...	...	...	...	24	...	13	...	
Heyton-with-Roby	20	20	...	...	...	4	4	...	...	14	14	...	...	...	...	...	...	...	6	...	...	...	
Howe-in-Makerfield	388	151	2	441	...	...	...	...	2	441	441	...	2	2	...	...	...	4	4	...	...	...	
Islam	98	44	...	4	50	7	7	...	4	44	44	...	...	...	...	...	...	...	30	24	2	24	
Kearsley	189	13	4	176	172	...	...	...	...	172	172	...	4	4	...	...	...	...	2	...	2	...	

TABLE I.—Continued.

DISTRICT.	UNFIT DWELLING HOUSES.					ACTION UNDER STATUTORY POWERS IN REGARD TO HOUSING.												No. of houses demolished voluntarily by owners or converted to workshops.	NEW HOUSES.		
	Total No. inspected for Housing defects.	No. inspected under Housing Regulations.	No. found unfit for habitation.	No. found not reasonably fit for habitation.	No. rendered fit as result of informal action.	Under Section 24, Housing, Town Planning, &c. Act, 1919.			Under the Public Health Acts.		Proceedings under Sections 17 and 18 of Housing, Town Planning, &c. Act, 1909.						No. of new houses erected during the year.				
						No. in respect of which notices served requiring repairs.	No. rendered fit.		No. in respect of which notices served to remedy defects.	No. in which defects remedied.	No. of representations with a view to making Closing Orders.	No. in respect of which Closing Orders made.	No. of Closing Orders determined dwellings having been rendered fit.	No. in respect of which Demolition Orders made.	No. demolished in pursuance of Demolition Orders.	Total.	With State Assistance under Housing Acts of 1919 or 1923.		No. of houses in course of erection under Council's Building Scheme.		
							By owners.	By Local Authority in default of owners.												By owners.	By Local Authority in default of owners.
Kirkham ...	6	2	...	...	2	...	...	...	...	9	9	...	...	...	...	...	...	12	...	...	...
Lancaster (B.) ...	638	...	...	377	370	75	72	...	...	...	...	...	...	...	...	...	...	33	18	8	50
Lathom and Burscough ...	46	30	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	20	...	5	4
Lea ...	19	...	...	...	12	...	...	...	...	...	...	...	...	...	...	...	...	10	...	9	...
Leigh (B.) ...	1054	100	...	1054	689	...	...	...	...	265	228	...	...	...	...	...	...	124	...	106	60
Leyland ...	137	50	...	13	13	...	...	...	...	2	2	...	...	...	...	2	...	21	...	21	...
Litherland ...	777	...	...	...	777	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Littleborough ...	112	81	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	...	16	16
Little Crosby ...	53	50	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...
Little Hulton ...	99	99	9	53	40	...	...	...	6	34	34	...	...	...	...	...	...	3	...	...	...
Little Lever ...	40	33	7	16	20	...	...	...	...	3	3	...	2	2	...	...	...	30	12	15	...
Longridge ...	30	30	...	...	20	10	10	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Lytham Saint Anne's (B.) ...	102	3	...	2	2	...	...	...	...	3	3	...	...	...	...	...	1	393	102	51	162
Middleton (B.) ...	369	...	...	...	304	50	30	...	...	319	274	...	...	...	...	...	...	96	10	64	...
Millarow ...	51	18	...	4	10	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...
Morecambe (B.) ...	76	5	5	13	9	...	...	...	...	1	1	...	...	...	...	...	...	88	...	...	...
Mossley (B.) ...	112	34	...	38	87	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	10
Nelson (B.) ...	53	...	...	53	38	2	2	...	...	13	...	...	...	...	...	...	...	9	...	...	69
Newton-in-Makerfield ...	61	61	2	41	40	1	1	...	...	...	...	...	2	2	...	...	...	76	64	9	16
Norden ...	41	20	...	8	2	6	6	...	...	...	...	...	...	...	...	...	...	28	...	13	...
Omskirk ...	46	46	...	16	32	...	...	...	...	16	3	...	...	...	...	...	...	3	...	1	20
Orrell ...	180	180	28	89	16	...	...	...	...	16	16	...	...	...	...	...	...	6	...	6	...
Oswaldtwistle ...	171	167	...	...	143	4	3	1	...	...	...	...	...	...	...	...	...	16	...	12	...
Padiham ...	1116	28	...	1078	1027	12	12	...	...	601	38	...	...	...	...	...	...	12	12	...	...

TABLE 1.—Continued.

DISTRICT.	UNFIT DWELLING HOUSES.					ACTION UNDER STATUTORY POWERS IN REGARD TO HOUSING.													No. of houses demolished voluntarily by owners or converted to workshops.	NEW HOUSES.			
	Total No. inspected for Housing defects.	No. inspected under Housing Regulations.	No. found unfit for habitation.	No. found not reasonably fit for habitation.	No. rendered fit as result of informal action.	Under Section 26, Housing, Town Planning, &c., Act, 1929.			Under the Public Health Acts.			Proceedings under Sections 17 and 18 of Housing, Town Planning, &c., Act, 1929.					No. of new houses erected during the year.						
						No. in respect of which notices served requiring repairs.	No. rendered fit.		No. in respect of which notices served to remedy defects.	No. in which defects remedied.		No. of representations with a view to making Closing Orders.	No. in respect of which Closing Orders made.	No. of Closing Orders determined dwellings having been rendered fit.	No. in respect of which Demolition Orders made.	No. demolished in pursuance of Demolition Orders.	Total.	With State Assistance under Housing Acts of 1919 or 1923.		No. of houses in course of erection under Council's Building Scheme.			
							By owners.	By Local Authority in default of owners.		By owners.	By Local Authority in default of owners.							By owners.			By Local Authority in default of owners.	By Local Authority.	By other bodies or persons.
Poulton-le-Fylde ...	78	61	2	6	15	...	...	...	...	...	...	...	2	2	...	...	...	...	2	53	12	24	...
Preesall ...	35	32	...	2	8	1	1	...	...	3	3	...	...	...	...	...	...	...	...	16	9	...	...
Prescot ...	82	31	1	11	4	11	6	...	1	38	38	...	1	1	...	1	1	...	...	32	...	28	...
Prestwich ...	218	33	1	...	...	2	2	...	...	157	148	9	1	1	...	...	...	...	...	139	20	56	6
Radcliffe ...	43	11	...	11	53	1	1	...	...	3	3	...	...	...	...	...	...	...	2	102	48	30	38
Rainford ...	9	9	...	4	4	4	4	...	...	4	4	...	...	...	...	...	...	...	...	8	...	6	...
Ramabottom ...	40	38	...	40	24	...	...	...	...	3	1	...	...	...	...	...	...	...	...	17	...	...	...
Rawtenstall (B.) ...	85	85	...	85	33	5	5	...	...	...	...	...	...	...	...	...	...	...	...	13	...	5	16
Rishton ...	1074	33	...	767	760	26	22	...	...	8	4	...	...	...	...	...	...	...	3	16	...	16	...
Royton ...	34	...	4	19	11	23	19	4	...	...	...	...	...	...	...	...	...	...	4	25	...	...	...
Skelmersdale ...	108	45	...	...	30	4	4	...	...	80	56	...	...	...	...	...	...	...	...	1	...	...	...
Standish-with-Langtree ...	34	31	...	21	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16	8	8	...
Stretford ...	76	12	2	9	57	...	...	...	...	2	2	...	2	2	...	...	...	...	2	365	128	143	64
Swinton and Pendlebury ...	1047	752	3	887	427	387	324	33	1	36	36	...	3	3	...	...	...	...	...	114	...	96	...
Thornton ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	161	...	38	...
Tottington ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	8	...	...
Trawden ...	170	147	...	21	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Turton ...	1325	86	...	35	25	10	10	...	...	4	3	...	...	...	...	...	...	...	...	21	...	...	...
Tyldesley-with-Shakerley...	200	200	...	60	35	25	25	...	...	...	...	...	...	...	...	...	...	...	...	9	...	9	32
Ulverston ...	64	64	2	62	62	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...
Upholland ...	49	...	...	...	29	10	2	6	...	10	10	...	...	...	...	...	...	...	...	6	6	...	...
Urmston ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	...	...	...
Walton-le-Dale ...	272	212	...	11	11	1	1	...	...	...	...	...	...	...	...	...	...	...	...	42	...	40	...
Wardle ...	26	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	5	...	...

TABLE I.—Continued.

DISTRICT.	UNFIT DWELLING HOUSES.					ACTION UNDER STATUTORY POWERS IN REGARD TO HOUSING.													No. of houses demolished voluntarily by owners or converted to workshops.	NEW HOUSES.		
	Total No. inspected for Housing defects.	No. inspected under Housing Regulations.	No. found unfit for habitation.	No. found not reasonably fit for habitation.	No. rendered fit as result of informal action.	Under Section 24, Housing, Town Planning, &c., Act, 1919.			Under the Public Health Acts.			Proceedings under Sections 17 and 18 of Housing, Town Planning, &c., Act, 1909.						No. of new houses erected during the year.				
						No. in respect of which notices served requiring repairs.	No. rendered fit.		No. in respect of which notices served to remedy defects.	No. in which defects remedied.		No. of representations with a view to making Closing Orders.	No. in respect of which Closing Orders made.	No. of Closing Orders determined having been rendered fit.	No. in respect of which Demolition Orders made.	No. demolished in pursuance of Demolition Orders.	Total.	With State Assistance under Housing Acts of 1919 or 1923.		No. of houses in course of erection under Council Building Scheme.		
							By owners.	By Local Authority in default of owners.		No. closed voluntarily.	By owners.							By Local Authority in default of owners.			By Local Authority.	By other bodies or persons.
Waterloo-with-Seaforth ...	1667	213	...	1251	1210	9	9	...	...	125	113	5	...	...	...	...	...	...	68	...	57	...
Westhoughton ...	112	63	2	47	25	...	...	...	...	42	42	...	5	5	...	...	...	1	31	...	20	...
Whitefield ...	95	81	...	60	53	7	7	...	...	...	...	...	...	...	...	...	...	1	16	...	16	...
Whitworth ...	57	57	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Widnes (B.) ...	850	181	1	500	460	...	...	...	...	...	...	...	1	1	...	...	...	...	41	...	21	20
Withnell ...	47	13	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Worsley ...	121	50	...	50	17	15	15	...	...	18	18	...	...	...	...	...	...	...	23	...	6	...
Total Urban Districts	30656	7364	216	11603	11350	1431	1394	139	15	7066	6582	20	117	41	14	12	14	55	3856	922	1380	1237
RURAL—																						
Barton-upon-Irwell ...	14	...	...	...	...	...	...	...	...	14	14	...	...	...	...	...	...	...	179	30	139	60
Blackburn ...	21	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	39	...	39	...
Burnley ...	249	26	3	34	33	...	...	...	...	45	47	...	1	...	...	...	...	3	41	...	12	...
Bury ...	72	53	18	35	19	17	11	...	...	32	18	...	...	...	...	...	...	...	2	...	2	...
Charley ...	157	157	...	...	86	...	...	...	...	4	4	...	...	...	...	...	...	...	36	6	17	...
Citheroe ...	334	334	...	32	32	...	...	...	...	8	8	...	...	...	...	...	...	...	2	...	...	...
Fylde ...	2	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	113	...	...	...
Garstang ...	3	3	1	1	11	...	...	...	...	...	...	...	2	2	...	...	...	3	47	...	14	...
Leicester ...	23	2	...	14	8	8	8	...	...	6	6	...	...	...	...	...	...	...	44	...	5	...
Leigh ...	960	113	10	6	6	...	...	...	...	136	124	...	10	10	...	...	...	...	7	...	7	...

TABLE 1.—Continued.

DISTRICT.	UNFIT DWELLING HOUSES.					ACTION UNDER STATUTORY POWERS IN REGARD TO HOUSING.													No. of houses demolished voluntarily by owners or converted to workshops.	NEW HOUSES.			
	Total No. inspected for Housing defects.	No. inspected under Housing Regulations.	No. found unfit for habitation.	No. found not reasonably fit for habitation.	No. rendered fit as result of informal action.	Under Section 23, Housing, Town Planning, &c., Act, 1919.			Under the Public Health Acts.			Proceedings under Sections 17 and 18 of Housing, Town Planning, &c., Act, 1909.						No. of new houses erected during the year.					
						No. in respect of which notices served requiring repairs.	No. rendered fit.		No. closed voluntarily.	No. in respect of which notices served to remedy defects.	No. in which defects remedied.		No. of representations with a view to making Closing Orders.	No. in respect of which Closing Orders made.	No. of Closing Orders determined dwellings having been rendered fit.	No. in respect of which Demolition Orders made.	No. demolished in pursuance of Demolition Orders.	Total.		With State Assistance under Housing Acts of 1919 or 1923.			No. of houses in course of erection under Council's Building Scheme.
							By owners.	By Local Authority in default of owners.			By owners.	By Local Authority in default of owners.								By other bodies or persons.			
Limehurst	104	61	2	55	63	...	...	...	...	28	...	...	...	...	...	...	...		2	...	...	...	
Limesdale	2	...	...	...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	12	2	...	...	
Preston	365	31	4	325	25	...	...	...	...	278	239	...	4	4	...	...	...	...	254	...	131	...	
Sefton	62	62	24	28	4	...	...	...	...	...	...	...	...	...	...	...	...	...	14	1	...	...	
Ulverston	2110	17	...	...	...	...	...	...	...	17	15	2	...	...	...	...	...	...	8	...	8	...	
Warrington	59	59	1	35	...	...	...	...	...	35	20	...	1	1	...	...	...	...	83	...	73	...	
West Lancashire	67	67	3	35	54	9	7	...	...	...	...	...	3	2	1	...	1	2	45	...	45	...	
Whiston	226	200	2	35	30	12	...	...	...	14	...	...	1	1	...	1	1	...	80	...	65	...	
Wigan	132	9	5	3	...	...	...	...	...	36	...	...	...	...	...	...	...	1	29	...	...	...	
Total Rural Districts	4962	1217	75	638	373	48	26	...	...	653	495	2	22	20	1	1	2	11	1035	39	557	60	
Total Admin. County	35618	8381	291	12241	11793	1479	1420	139	15	7719	7077	22	139	61	15	13	16	66	4891	961	1937	1297	

	1923.	1924.
<i>Proceedings under Sections 17 and 18 of Housing, Town Planning, &c., Act, 1909—</i>		
No. of Representations with view to Closing Orders ...	113 ...	139
No. in respect of which Closing Orders made	110 ...	61
No. of Closing Orders determined	24 ...	15
No. in respect of which Demolition Orders made	7 ...	13
No. demolished after Closing Orders	11 ...	16
No. of houses demolished voluntarily by owners or converted to workshops ...	51 ...	66

NEW HOUSES.—The number of new houses erected in the Administrative County area is stated to be as follows:—

	1923.	1924.
With State assistance under the Housing Acts of 1919 or 1923—		
By local authorities	877	961
By other bodies or persons ...	358	1,937
Total new houses erected	3,283	4,891
No. of new houses in course of erection at end of each year under local authorities' building schemes ...	696	1,297

The total number of *new* houses erected in the Administrative County since the termination of the war amounts to 19,027.

In 1924 loans by local authorities amounting to £172,232 have been granted in respect of 437 houses, and subsidies of £158,000 have been paid in respect of 1,716 houses.

During the year the Housing (Financial Provisions) Act, 1924, was passed. This Act provides that, subject to certain

conditions, Exchequer assistance shall be available in respect of houses erected during a period of 15 years. The Act continues, subject to periodic review, the subsidy provided for in the Housing, &c., Act, 1923, and authorises the grant of increased Exchequer contributions for houses in respect of which certain special conditions are complied with. These conditions relate amongst other things to the rents to be charged.

Nuisances.—The following totals, collated from the local health reports, show the number of nuisances abated in the year 1924 and preceding years :—

1920	...	...	...	...	43,018
1921	...	...	...	...	49,589
1922	...	...	...	...	52,947
1923	...	...	...	...	58,461
1924	...	...	...	...	56,063

Number of notices served :—

1920	...	...	...	...	27,237
1921	...	...	...	...	30,867
1922	...	...	...	...	30,649
1923	...	...	...	...	33,420
1924	...	...	...	...	29,876

Closet Accommodation.—The following figures, which have been taken from district health reports, show approximately the number of each type of closet accommodation in the County area :—

	Urban Districts.	Rural Districts.	County
Privy middens	19,828	19,865	39,693
Privy closets	30,537	25,192	55,729
Pail closets	33,894	9,029	42,923
Water closets	231,642	14,527	246,169
Waste-water closets	86,159	4,215	90,374
Ashpits (excluding middens)	66,725	8,371	75,096
Portable receptacles	203,626	11,885	215,511

TABLE J.

SUMMARY OF SANITARY WORK
CARRIED OUT.

NAMES OF DISTRICT
MEDICAL OFFICERS OF HEALTH
AND
SANITARY INSPECTORS.

TABLE J.—SUMMARY OF SANITARY WORK CARRIED OUT DURING 1924.

DISTRICT.	Refuse Destructor provided.	CANAL BOATS	SLAUGHTER-HOUSES.		DAIRIES, COWSHEDS, AND MILKSHOPS.			NURSERIES.				CLOSET ACCOMMODATION.											SMOKE ABATEMENT.		MEDICAL OFFICERS OF HEALTH AND SANITARY INSPECTORS (1924), WITH SALARIES.									
			No. of Infingements.	No. of Inspectors.	Number Registered.	Number Licensed.	Public Abatlar provided.	No. of Cowkeepers.	No. of Dalrimans or Purveyors.	Any arrangements for Veterinary Inspection of Cows.	Notices served.		Nuisances abated.	Legal Proceedings and Costs.	Privy Middens.		No. of Closets.	No. of Pail Closets.	No. of Ashpits (excluding middens).	Fresh Water Closets.	No. of Portable Receptacles for refuse.	Waste Water Closets.	Conversions during 1924.					Council's Contribution towards cost of Conversion.	Number of Observations.	Legal Proceedings and Result.				
											Informal.	Statutory.			No. of Middens.	No. of Closets.							No. of Fresh Water Closets.	No. of Fresh Water Closets.			No. of Fresh Water Closets.				No. of Fresh Water Closets.	No. of Fresh Water Closets.	No. of Fresh Water Closets.	No. of Fresh Water Closets.
URBAN.																																		
Alderson	..	42	9	..	1	..	13	1	..	80	70	378	..	524	812	31	187	484	61	..	1	..	..	..	..	..	..	..	..	..	Half-cost	2	..	M.O. A. R. Evershed, £106 L. W. N. Roberts, £209
Annington (B.)	Yes	..	3	..	Yes	38	74	Yes	89	32	116	..	27	27	484	5000	1555	2202	9240	1	..	..	120	..	3	Approx. do.	4	..	..	M.O. A. Greenhalgh, £149 L. R. Diggle, £31 14s.				
Arlington	..	..	1	..	..	14	2	..	32	2	30	..	295	295	5	48	679	597	30	41	..	..	..	..	..	..	..	..	..	Water free	..	..	M.O. W. O. Riley, £35 15s. L. R. Edge, £94	
Ashton-in-Makerfield	..	..	1	..	..	39	6	When required	324	136	835	1—Order made and to pay costs	..	..	3749	2917	630	597	25	..	..	..	7	..	..	..	..	..	..	..	15	..	M.O. H. Whistler, £260 L. D. Gamble, £115 12s. 6d.	
Ashton-under-Lyne (B.) ..	..	..	11	2	..	2	79	Yes	138	41	382	3—Withdrawn on payment of costs	..	..	..	251	3334	7000	8395	..	..	..	..	..	..	..	..	..	..	..	84	2—Fines, £7 5s.	M.O. J. W. Talent, £408 L. W. C. Morris (a).	
Aspull	..	..	2	2	..	16	6	..	300	82	202	..	341	630	7	36	562	571	1	39	..	..	..	..	..	..	..	..	..	..	20	..	M.O. L. Cooke, £110 L. J. O'Leary, £128	
Atherton	Yes	..	2	11	..	19	13	..	104	47	492	..	40	77	3	1083	2477	2571	1415	8	..	..	..	..	..	..	..	..	..	..	..	..	M.O. J. Marsh, £102 L. S. Jepson, £315	
Audenshaw	..	..	..	2	..	10	11	..	80	8	240	..	2	3	46	227	757	1536	1416	..	..	..	..	..	2	..	1	..	..	..	..	..	M.O. W. R. Todd, £78 L. H. M. Dixon, £170	
Barns (B.)	..	..	14	..	..	112	1	When required	526	85	581	..	35	45	1450	102	2243	4687	446	6	..	7	172	..	..	..	..	..	..	..	..	..	..	M.O. J. P. Brown, £190 L. A. E. Barnes, £200
Barrowford	..	..	..	5	..	32	26	..	56	6	137	..	31	31	20	780	200	349	828	..	..	..	..	..	..	..	..	..	..	..	..	15	..	M.O. A. R. Seller, £80 L. T. Clark, £120
Billinge	..	..	..	1	..	27	4	..	37	..	30	..	388	565	11	55	108	49	..	12	..	1	..	..	..	..	..	..	..	..	4	..	..	M.O. R. O. Mather, £80 L. J. J. Perkins (a)
Blackrod	..	..	1	1	..	16	1	..	24	8	32	2—Orders made and to pay costs 1—Work done and costs recovered	249	329	27	6	421	398	28	26	..	..	..	..	..	..	..	..	..	..	4	..	..	M.O. J. W. Unsworth, £11 L. A. Johnson, £140
Brierfield	..	..	..	6	..	5	2	..	48	..	116	..	..	5	55	1387	446	655	1698	..	..	..	..	8	..	..	..	..	..	..	..	..	..	M.O. J. S. Wilson, £65 L. B. Habgood, £151
Carnforth	..	..	..	5	..	16	7	..	36	..	38	..	214	214	..	649	512	125	48	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M.O. E. S. Jackson, £20 L. F. Holt, £140
Chadderton	Yes	..	..	7	..	51	59	Yes	601	46	561	..	..	..	1553	336	2085	5315	5187	..	..	41	..	..	..	..	..	..	..	..	31	1—Order made and to pay costs	M.O. J. Wood, £372 L. A. Ashworth, £307	
Charley (B.)	Yes	..	..	..	Yes	32	14	Yes	1236	7	304	1—To pay costs	57	59	41	15	7336	7137	968	2	..	1	..	..	2	Half-cost	23	1—Order made	..	..	..	..	M.O. H. E. Middlebrook, £400 L. W. Hoops, £230	

TABLE J.—Continued.

DISTRICT.		Refuse Destructor provided.	CANAL BOATS.		SLAUGHTER HOUSES.		DAIRIES, COWSHEDS, AND MILKSHOPS.		NUISANCES.				CLOSET ACCOMMODATION.														SMOKE ABATEMENT.		MEDICAL OFFICER OF HEALTH AND SANITARY INSPECTOR (1924), WITH SALARIES.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			No. Inspected.	No. of Infractions.	Number Registered.	Number Licensed.	Public Abattoir provided.	No. of Cowkeepers.	No. of Dairywomen or Farriers.	Any arrangement for Veterinary Inspection of Cows.	Notices served.		Nuisances abated.	Legal Proceedings and Result.	Privy Middens.		No. of Pail Closets.	No. of Ashpits (excluding middens).	No. of Fresh Water Closets.	No. of Portable Receptacles for refuse.	No. of Waste Water Closets.	Conversions during 1924.								Council's Contribution towards cost of Conversion.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
											Informal.	Statutory.			No. of Middens.	No. of Closets.						Privy Closets to Fresh W. C's.	Privy Closets to Fresh W. C's.	Privy Closets to Pail Closets.	Pail Closets to Fresh W. C's.	Pail Closets to Waste W. C's.	Waste W. C's to Fresh W. C's.	Fresh W. C's to Fresh W. C's.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

The salaries given in this table are the amounts approved by the Ministry of Health (including the approved bonus) as shown in the last column for repayment.

(a) No claim made for repayment of salary.

TABLE J.—Continued.

TABLE J.—Continued.		Refuse Destructor provided.		CANAL BOATS.				SLAUGHTER-HOUSES.				DAIRIES, COWSHEDS, AND MILKSHOPS.				NUISANCES.				CLOSET ACCOMMODATION.														SMOKE ABATEMENT.		MEDICAL OFFICER OF HEALTH AND SANITARY INSPECTOR (1924), WITH SALARIES.	
DISTRICT.	No. Inspected.			No. of Infringements.	Number Registered.	Number Licensed.	Public Abattoir provided.	No. of Cowsheds.	No. of Dairywomen or Purveyors.	Any arrangement for Veterinary Inspection of Cows.	Notices served.		Nuisances abated.	Legal Proceedings and Result.	Privy Middens.		No. of Pail Closets.	No. of Ashpits (excluding middens).	No. of Fresh Water Closets.	No. of Portable Receptacles for refuse.	No. of Waste Water Closets.	Conversions during 1924.						Council's Contribution towards cost of Conversion.	Number of Observations.	Legal Proceedings and Result.							
											Informal.	Statutory.			No. of Middens.	No. of Closets.						Privy Closets to Fresh W. C's.	Privy Closets to Waste W. C's.	Privy Closets to Pail Closets.	Pail Closets to Fresh W. C's.	Pail Closets to Waste W. C's.	Waste W. C's to Fresh W. C's.										
Gulborne	..	..	..	4	4	..	13	9	..	75	..	70	..	414	1019	8	67	435	184	18	4	..	..	..	..	..	£2 10s. per closet	..	..	M.O. D. Lyon, £70 L. W. Pasquill (J. W. Hart to 1st Sept.), £100							
Grange-over-Sands	..	..	..	1	..	..	14	4	When required	8	..	8	..	11	11	3	215	573	316	..	1	..	..	..	..	..	..	..	..	..	M.O. G. H. Patterson, £60 L. T. Huddleston, £125						
Great Crosby	..	..	..	..	..	..	16	2	When required	225	16	678	..	9	13	6	27	5244	3363	..	..	..	..	..	..	..	By Agreement	4	..	..	M.O. J. Haskie, £150 L. J. Almond, £310						
Great Harwood	..	..	..	1	..	Yes	24	7	..	72	..	364	..	160	Tanks 100	66	2255	539	1000	2719	7	..	..	..	..	2	£5 per closet	10	..	..	M.O. J. K. Cummins (J. Patchett to 25th Mar.), £90 L. A. Edleston, £192						
Haslingden (B.)	Yes	..	..	14	..	..	88	2	When required	321	110	427	..	2	4	940	670	668	3270	2408	..	..	..	135	..	..	Half-cost	26	..	..	M.O. W. R. A. Coates, £100 L. R. Austin, £315						
Haydock	..	..	..	1	1	..	13	3	..	533	7	838	..	1296	1469	2	10	561	549	..	55	..	..	..	..	..	..	..	..	..	M.O. A. Dowling, £111 18s. L. J. Evans, £220						
Heysham	..	..	..	1	1	..	17	5	..	9	..	9	..	67	54	4	925	1175	250	19	1	..	..	..	..	..	..	..	..	..	..	M.O. R. Hend, £20 L. H. Miller, £210					
Heywood (B.)	Yes	..	..	9	1	..	42	10	Yes	135	7	132	..	685	1273	500	1092	2994	1916	2604	33	..	10	..	4	Pails—£10 Privies—£4	161	..	..	..	..	M.O. F. W. C. Brown (W. Alexander to 31st Mar.), £200 L. J. E. Cropper, £208 15s. M.O. R. K. Nesbit (a) L. T. France, £345					
Hindley	..	..	..	5	1	..	22	3	When required	260	153	1810	..	1094	1842	740	92	2069	2733	19	138	..	23	..	..	..	Connection to sewer and water free	21	..	..	..	L. J. E. Cropper, £208 15s. M.O. R. K. Nesbit (a) L. T. France, £345					
Horwich	..	..	..	1	2	..	35	24	..	312	18	1615	..	39	39	68	47	2935	3767	1213	..	..	..	..	..	6	Drainage work	25	..	..	..	M.O. J. S. Sewell, £125 L. J. H. Brocklehurst, £350					
Hurst	..	..	..	6	6	..	5	5	When required	12	..	17	..	..	..	..	616	368	444	1819	..	..	..	..	..	..	£2 per closet	72	..	..	..	M.O. J. W. Talbot, £28 L. S. Skirt, £180					
Huyton-with-Roby	..	..	..	..	..	..	10	1	..	54	6	50	..	220	274	75	251	773	465	..	..	..	..	..	..	..	Half-cost	..	..	..	..	M.O. A. W. McDonald, £20 L. W. H. Bone (J. A. Haigh to 31st May), £75					
Ince-in-Makerfield	..	62	2	..	..	..	7	21	..	1075	..	1075	..	981	2010	71	56	1514	1054	..	28	..	..	..	..	..	..	..	..	..	..	M.O. J. H. Fletcher, £200 L. W. Gierke, £201					
Irlam	..	..	..	..	..	..	5	11	..	232	30	738	..	32	69	88	20	3113	2633	55	..	..	2	..	..	..	Half-cost of drains and plumbing work	14	..	..	..	M.O. J. W. Roberts, £97 10s. L. R. Rother, £200					
Kearsley	..	..	..	4	..	..	6	12	Yes	38	1	343	1—Order made	281	532	28	191	1800	1491	139	188	..	..	..	2	Half-cost	4	..	..	..	..	M.O. A. G. Glass, £150 L. E. Shaw, £250					
Kirkham	..	..	..	3	..	..	7	2	..	37	1	37	..	115	248	12	42	660	454	28	6	..	..	1	..	..	..	..	..	..	..	M.O. C. Court, £45 L. J. R. Holmes, £105					

MEDICAL OFFICER OF HEALTH AND SANITARY INSPECTOR (1924), WITH SALARIES.

The salaries given in this table are the amounts approved by the Ministry of Health including the approved bonus as shown on the last claim for repayment.

(a) No claim made for repayment of salary.

TABLE J.—Continued.

DISTRICT.	Refuse Destructor provided.	CANAL BOATS.		SLAUGHTER HOUSES.		DAIRIES, COWSHEDS, AND MILKSHOPS.		NUTRICES.				CLOSET ACCOMMODATION.												SMOKE ABATEMENT.		MEDICAL OFFICER OF HEALTH AND SANITARY INSPECTOR (1924), WITH SALARIES.									
		No. of Infirmarys.	Number Registered.	Number Licensed.	Public Abattoir provided.	No. of Cowsheds.	No. of Dairymen or Purveyors.	Any arrangement for Veterinary Inspection of Cows.	Notices served.	Statutory.	Nutrices closed.	Legal Proceedings and Result.	Privy Middens.		No. of Ashtrits (excluding middens).	Fresh Water Closets.	Conversions during 1924.								Consul's Contribution to total cost of Conversion.			Number of Observations.	Legal Proceedings and Result.						
													No. of Bidders.	No. of Closets.			No. of Pail Closets.	No. of Portable Receptacles for refuse.	Waste Water Closets.	Privy Closets to Pail Closets.	Waste W. C's.	Privy Closets to Pail Closets.	Waste W. C's.	Waste W. C's to Pail Closets.						Waste W. C's.					
Launceston (B.)	Yes	15	1	1	Yes	24	108	Yes	850	312	1330	..	25	25	67	4768	12304	2440	..	..	..	..	..	..	..	..	..	..	..	..	M.O. J. D. Buchanan, £430 (including £20 for the Port)				
Latham and Burroughs	..	12	..	3	..	6	2	..	12	2	45	..	760	1153	2	210	423	162	6	10	..	..	..	..	..	..	..	..	..	..	L. F. W. Smith, £255 9s. (including £20 for the Port)				
Lees	..	..	1	3	..	2	9	..	12	..	12	..	..	..	784	159	394	702	89	..	..	15	..	..	..	..	..	..	..	..	M.O. A. Speight, £75 (including £170 for the Port)				
Leigh (B.)	Yes	60	13	6	..	49	28	..	798	265	632	..	70	150	7	4000	8535	2025	853	221	..	2	..	..	..	..	..	..	..	..	..	M.O. J. C. Currie, £50			
Leyland	..	..	4	4	..	19	3	..	137	53	151	..	632	632	484	381	1127	1261	11	54	..	22	..	..	..	..	..	..	..	..	..	L. J. W. Liverage (a)			
Litherland	Yes	..	1	..	..	8	11	When required	777	22	1887	1—Conversion obtained	2	2	..	903	3358	2318	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M.O. J. C. Currie, £50		
Littleborough	..	..	7	..	..	67	1	..	39	1	212	..	..	..	1388	..	708	2016	382	..	..	3	..	1	..	..	..	..	..	..	..	M.O. C. M. Whitnott, £80			
Little Crosby	..	..	..	..	..	5	..	When required	..	..	..	..	64	64	6	8	162	139	..	..	1	..	..	..	..	..	..	..	..	..	..	..	L. H. Cheetham, £220		
Little Hulton	..	..	3	5	..	13	9	..	40	34	374	..	504	974	2	407	689	304	129	19	..	..	..	..	..	..	..	..	..	..	..	M.O. A. J. W. Cunningham, £50			
Little Lever	..	4	..	3	1	..	9	1	..	16	3	16	..	150	311	21	50	800	734	112	31	..	..	1	..	..	..	..	..	..	..	..	L. T. Masson (a)		
Longridge	..	..	..	3	..	32	3	..	25	..	25	..	13	13	32	82	490	732	400	..	..	..	..	..	..	..	..	..	..	..	..	..	M.O. J. H. Marsh, £80		
Lytham St. Anne's (B.)	Yes	..	..	..	Yes	32	23	Yes	274	2	307	..	..	17	63	54	8745	5458	35	..	2	..	..	..	..	..	..	..	..	..	..	..	M.O. J. S. Pickford, £45		
Middleton (B.)	Yes	2	..	7	3	..	65	26	Yes	319	21	469	..	..	364	1488	2400	1726	3637	..	..	7	..	3	..	..	..	..	..	..	..	..	..	L. H. Roberts, £185	
Milnrow	..	..	..	6	..	74	2	..	96	12	706	..	86	90	1006	85	647	1099	78	..	..	131	..	..	..	..	..	..	..	..	..	..	..	M.O. O. Jukes, £50	
Morescombe (B.)	Yes	..	..	5	..	12	72	Yes	66	31	511	..	21	38	15	3400	5000	not known	25	26	..	4	..	3	..	..	..	..	..	..	..	..	..	L. J. Marshall, £100	
Mossley (B.)	..	..	4	1	..	20	3	When required	86	..	77	..	2	2	2851	688	358	386	148	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M.O. J. P. Little, £750	
Nelson (B.)	Yes	..	1	11	..	30	34	Yes	55	14	74	..	..	..	4	7266	2621	2873	8341	..	..	..	..	..	22	..	..	..	..	..	..	..	..	L. H. Yates, £432; F. Haworth, £225	
Newton-in-Makerfield	..	..	3	Yes	18	20	..	..	179	6	413	..	205	350	2614	..	1223	3540	28	27	..	32	..	..	..	..	..	..	..	..	..	..	M.O. S. T. Bagg, £400		
																																..	..	M.O. H. C. Norton, £265 14s.	
																																		..	M.O. J. Chadwick, £50
																																		..	L. T. Warrington, £215
																																		..	M.O. J. W. Waterson (a)
																																		..	L. H. R. Lamb, £500; H. Morgans, £175
																																		..	M.O. J. Healey, £144 9s. 2d.
																																		..	L. E. Slater (a)
																																		..	M.O. B. G. Markham, £375 9s. 6d.
																																		..	L. J. W. Hughes, £287 4s. 6d.
																																		..	M.O. H. E. Watkins, £167 3s. 8d.
																																		..	L. H. Ashcroft, £330

TABLE J.—Continued.

TABLE J.—Continued.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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TABLE J.—Continued.

DISTRICT.		Refuse Destructor provided.	CANAL BOATS.		SLAUGHTER-HOUSES.		DAIRIES, COWSHEDS, AND MILKSHOPS.		NUISANCES.				CLOSET ACCOMMODATION.													SMOKE ABATEMENT.		MEDICAL OFFICER OF HEALTH AND SANITARY INSPECTOR (1924), WITH SALARIES.					
			No. Inspected.	No. of Infractions.	Number Registered.	Number Licensed.	Public Abattoir provided.	No. of Cowkeepers.	No. of Dairywomen or Parayers.	Any arrangement for Veterinary Inspection of Cows.	Notices served.		Nuisances abated.	Legal Proceedings and Result.	Privy Middens.		No. of Ashpits (excluding middens).	No. of Fresh Water Closets.	No. of Portable Receptacles for refuse.	Conversions during 1924.										Council's Contribution towards cost of conversion.	Number of Observations.	Legal Proceedings and Result.	
											Informal.	Statutory.			No. of Middens.	No. of Closets.				No. of Fresh Water Closets.	No. of Privy Closets to Fresh W. C's.	No. of Privy Closets to Waste W. C's.	No. of Privy Closets to Pail Closets.	No. of Fresh W. C's to Fresh W. C's.	No. of Pail Closets to Waste W. C's.	No. of Waste W. C's to Fresh W. C's.							
Totlington	..	..	..	6	..	67	1	..	..	..	5	23	87	..	493	978	197	206	539	348	134	17	..	..	..	..	..	Half-cost of fittings	6	..	M.O. G. Bailey, £90 L. Kenyon, £212 17s.		
Trawden	..	..	..	3	3	..	85	..	Yes	..	15	1	16	..	..	..	306	330	128	98	241	..	..	..	..	..	..	..	..	..	..	M.O. G. Shoen, £30 L. J. H. Tatham (a)	
Turton	..	..	..	9	..	201	2	..	..	..	148	9	145	..	578	578	99	1161	1116	419	1654	44	..	..	..	..	..	Half-cost	70	..	M.O. H. Robinson, £166 13s. L. A. McMorris, £337 11s. 6d.		
Tyldesley-with-Shakerley	..	..	..	8	3	..	25	6	..	..	260	32	270	..	181	438	9	960	2221	745	577	6	..	..	..	..	..	Half-cost	10	..	M.O. A. J. Lowe, £160 L. J. Smith, £249 2s.		
Ulverston	..	..	..	8	..	24	7	When required	..	..	237	1	140	..	96	205	4	589	2036	1553	..	..	..	..	..	..	..	..	..	..	..	M.O. G. H. Patterson, £190 L. C. T. Hague, £200	
Upholland	..	..	..	2	..	..	52	9	..	..	85	31	107	..	412	672	25	126	261	99	..	18	..	8	..	..	..	£5 per closet	..	..	..	M.O. F. H. Brown, £93 6s. 8d. L. A. Hunt (a)	
Urmston	..	..	..	2	2	..	8	10	When required	..	11	100	107	..	9	18	..	43	1993	2008	74	14	..	..	..	..	..	..	..	..	..	..	M.O. G. E. Fryer, £84 L. J. Heath, £175
Walton-le-Dale	..	..	..	2	..	..	61	12	..	..	230	100	330	..	86	126	765	645	1691	1951	312	9	..	4	87	..	..	Half-cost	..	..	..	M.O. C. J. Trimble, £175 L. N. Barton, £225	
Wandle	..	..	..	2	2	..	51	..	..	..	32	10	42	..	89	178	228	..	441	455	108	5	..	..	6	..	..	Cost of new drains and connections to sewer	7	..	..	M.O. D. G. MacGill, £40 L. J. D. Hurst, £140	
Waterloo-with-Seaforth	..	..	..	..	..	..	19	24	Yes	..	852	125	4766	..	..	..	9	956	10413	5249	..	..	..	..	1	..	..	..	..	12	..	..	M.O. V. J. Glover, £150 L. J. H. Campbell, £191
Westhoughton	..	..	..	11	..	73	..	..	..	..	73	13	79	..	860	1048	..	650	1964	990	116	215	..	..	8	..	..	Half-cost	7	..	..	M.O. W. H. Leigh, £200 L. F. J. A. Green, £200	
Whitefield	..	..	..	6	..	..	8	30	Yes	..	149	52	199	1—Order made and to pay costs	299	561	59	195	1250	798	174	22	..	..	3	..	..	..	..	5	..	..	M.O. A. J. Young, £60 L. C. Whiteley, £281 11s.
Whitworth	..	..	..	7	..	57	..	..	..	..	32	..	227	..	..	..	1333	644	429	702	200	..	..	..	11	..	..	Each case considered	60	..	..	M.O. T. J. L. Forbes, £90 L. J. J. Cordingley, £230	
Widnes (B.)	Yes	..	..	7	7	..	28	46	Yes	..	473	53	963	..	590	590	..	51	5805	7240	1483	38	..	..	..	..	..	Half-cost	..	..	..	M.O. A. Jones, £414 9s. 4d. L. W. Lowe, £315; J. G. Macdonald, £230; E. F. Starkey, £175	
Withnell	..	..	..	2	2	..	24	..	..	..	5	..	3	..	..	..	560	360	186	250	44	..	..	..	2	..	..	..	..	10	..	..	M.O. S. W. Maclean, £33 6s. 8d. L. A. Penny, £70
Worsley	..	38	2	..	12	..	18	12	When required	..	72	18	90	..	705	1420	6	564	2226	1708	46	162	..	..	..	..	..	..	..	33	..	..	M.O. R. Sayers, £110 L. W. Allen, £200 10s. 5d.
TOTAL URBAN DISTRICTS		26	248	19	245	333	11	3275	1683	41	22278	5243	53362	24	19828	30537	33894	66725	231642	202626	86159	2997	..	45	3133	8	166	..	2970	21	..	..	

TABLE J.—Continued.

DISTRICT.	Refuse Destructor provided.	CANAL BOATS.		SLAUGHTER-HOUSES.		DAIRIES, COWSHEDS, AND MILKSHOPS.		NUISANCES.				CLOSET ACCOMMODATION.												SMOKE ABATEMENT.		MEDICAL OFFICER OF HEALTH AND SANITARY INSPECTOR (1924), WITH SALARIES.						
		No. Inspected.	No. of Infringements.	Number Registered.	Number Licensed.	Public Abattoir provided.	No. of Cowkeepers.	No. of Dairywomen or Partymen.	Any arrangements for Veterinary Inspection of Cows.	Notices served.		Nuisances abated.	Legal Proceedings and Result.	Privy Middens.		No. of Closets.	No. of Pail Closets.	No. of Ashpits (excluding middens).	No. of Fresh Water Closets.	Conversions during 1924.							Council's Contribution towards cost of Conversion.	Number of Observations.	Legal Proceedings and Result.			
										Informal.	Statutory.			No. of Middens.	No. of Closets.					No. of Fresh Water Closets.	No. of Waste Water Closets.	Privy Closets to Fresh W. C's.	Privy Closets to Waste W. C's.	Privy Closets to Pail Closets.	Pail Closets to Fresh W. C's.					Pail Closets to Waste W. C's.	Waste W. C's. to Fresh W. C's.	
RURAL.																																
Barton-upon-Irwell	..	..	..	4	..	37	12	Yes	..	212	42	186	1—Order made	316	350	200	42	1800	1550	12	35	..	..	..	..	..	..	..	14	..	M.O. D. W. Davidson, £140	
Blackburn	..	..	..	1	..	350	..	..	..	128	..	143	..	63	63	1019	..	990	439	81	..	..	..	5	..	..	..	18	..	M.O. L. R. G. Child, £300		
Burnley	..	..	..	18	..	450	2	When required	..	94	4	105	..	..	741	842	2384	789	1855	2579	6	..	2	12	..	..	..	6	..	M.O. W. R. Pollard, £100		
Bury	..	6	..	3	..	105	10	..	..	65	..	130	..	596	1199	173	272	656	335	100	24	..	..	3	..	..	..	10	..	M.O. L. H. Eccleston, £200		
Chorley	..	..	9	1	..	627	2	..	..	326	21	320	..	2882	3332	199	25	554	788	35	..	..	108	..	..	..	..	..	..	M.O. J. Rigby (J. A. Harris to 20th May), £200		
Culterose	..	..	9	..	..	162	1	..	..	8	..	36	..	620	620	254	20	441	Not known	320	4	..	..	3	..	..	..	..	..	M.O. L. H. F. Frow, £330		
Fylde	..	..	10	..	..	283	11	..	..	106	11	106	..	1788	1788	179	580	1053	917	16	8	..	..	..	..	..	..	..	..	M.O. J. M. Poulthorne, £75		
Garsang	..	25	..	8	2	157	1	..	..	44	..	several	..	430	430	908	560	474	611	..	10	..	5	8	..	..	..	..	..	..	M.O. L. W. H. Jackson, £275	
Lancaster	..	14	1	1	2	126	5	..	..	124	18	169	..	529	996	277	421	983	204	16	9	..	1	1	..	..	..	..	..	..	M.O. C. Court, £90	
Leigh	..	18	2	..	1	73	3	..	..	101	27	176	..	919	1684	75	63	566	319	1	1	..	..	..	..	..	9	..	..	..	M.O. J. Jolly, £250	
Limehurst	..	..	5	..	..	77	2	..	..	100	28	91	..	89	223	458	341	203	133	568	36	..	15	2	..	2	..	..	..	..	M.O. W. L. Armstrong, £129 10s.	
Lunesdale	..	..	13	..	..	410	..	..	..	26	2	86	..	1250	1481	70	178	481	38	..	2	..	2	..	..	..	..	..	..	..	M.O. I. J. Cook, £335	
Preston	..	4	..	9	..	440	10	When required	..	65	213	239	..	2672	2672	1173	..	1129	3365	425	..	..	35	5	..	..	..	..	..	..	..	M.O. W. Edmondson, £85
Sefton	..	..	2	..	..	32	..	..	..	110	15	125	..	540	634	8	217	355	106	..	3	..	..	..	..	..	..	..	..	..	..	M.O. S. H. Ryan, £120
Ulverston	..	..	19	..	..	154	1	When required	..	56	17	108	1—Order made	1346	2123	4	746	1116	218	..	26	..	..	..	..	..	..	..	..	..	..	M.O. I. J. Monks, £236
Warrington	..	4	2	4	..	56	17	When required	..	24	123	276	—Nuisance abated	555	555	1828	406	643	914	13	..	..	17	..	..	..	..	..	..	..	..	M.O. G. F. Bowman, £87 10s.
West Lancashire	..	25	..	5	2	53	14	..	..	75	10	288	..	3018	3178	570	1210	1046	277	30	14	..	30	1	..	..	..	..	..	..	..	M.O. I. R. Thompson, £178 5s.
																																M.O. B. J. Ashcroft, £282; T. Ashcroft, Junr., £223
																																M.O. J. C. Broadshaw, £190 10s.
																																M.O. I. F. Pool, £179 8s. 8d.
																																M.O. G. H. Patterson, £300
																																M.O. I. T. Hudson, £225
																																M.O. J. Bennett, £200
																																M.O. I. F. W. Kerfoot, £250
																																M.O. G. E. Scholefield, £700
																																M.O. L. T. G. H. Hunter, £237
																																M.O. 10s.; J. Amesworth, £215

MEDICAL OFFICER OF HEALTH AND SANITARY INSPECTOR (1924), WITH SALARIES.

The salaries given in this table are the amounts approved by the Ministry of Health (including the approved bonus as shown on the last claim for repayment).

(a) No claim made for repayment of salary.

TABLE J.—Continued.

[illegible]

—SUMM.

NUISANCE

Statutory.	Nuisances abated.
70	378
32	116
2	30
136	835
41	382
82	202
47	492
5	240
85	581
6	137
..	30
8	32
..	156
..	36
46	505
7	3048

Conversions of privy closets and pail closets during 1924 and the four preceding years are shown below :—

	1920.	1921.	1922.	1923.	1924.
Privies converted to					
water closets ...	1585	2309	3256	4181	3256
Privies converted to					
pail closets ...	160	174	232	144	266
Pail closets converted					
to water closets ...	588	522	1237	2269	3185

Fifteen years ago there were approximately 90,000 privy middens in the County area, and water closets, which now number nearly 250,000, then amounted to 135,000.

Table "J," here inserted, shows the position of each sanitary district as regards type, &c., of closet accommodation provided.

Canal Boats.—Seventeen district reports contain a reference to the inspection of canal boats. The number of boats inspected in 1924 was 361, and there were 24 infringements of the Acts or Regulations.

Slaughter-houses.—Public Abattoirs.—According to the local returns, there are 714 slaughter-houses in the County—registered 316, licensed 398. Public abattoirs have been provided in 11 districts ; these are shown in Table "J."

The Medical Officers of Health of the following districts again urge upon their Councils the need for the provision of a public abattoir, viz. :—Ashton-under-Lyne (B.), Haslingden (B.), Heywood (B.) Horwich, Littleborough, Middleton (B.), Morecambe (B.), and Nelson (B.).

Reference is made to slaughter-houses and slaughtering in the Public Health (Meat) Regulations, 1924, and The Rural District Councils (Slaughter-houses) Order, 1924. The former, amongst other matters, require, with certain specified

exceptions, that notice be given to the local authority of the day and time and place of slaughtering, and under the latter rural councils have the same powers, duties and liabilities as urban authorities under the enactments relating to slaughter-houses.

The Control of the Milk Supply.—Greater attention than formerly is now being paid to matters connected with the production of milk, with a view to obtaining a supply of clean, wholesome and unadulterated milk. The following paragraphs give some indication of the action taken in the Administrative County during the year 1924:—

EXAMINATION OF MILK SAMPLES.—During the year under report, samples of milk taken for analyses by the County Authority under the Sale of Food and Drugs Acts amounted to 3,190. The results of the analyses of these samples are given in the report of the County Analyst, page 100.

BACTERIOLOGICAL EXAMINATION OF MILK.—The County Public Health Department in connection with certain investigations regarding the milk supply submitted during the year 91 samples for bacteriological examination. The officials of 21 local authorities submitted 412 samples for bacteriological tests, and of these 28 were found to contain the tubercle bacilli.

THE MILK (SPECIAL DESIGNATIONS) ORDER, 1923.—Under this Order the County Council has issued (to July, 1925) five licences to produce and distribute "Grade A" milk. On receipt of the applications, the producers' premises were inspected by the County Staff, and in each case the alterations and improvements suggested were effected before the licence was issued.

THE PRODUCTION OF GRADED MILK.—In July, 1924, the County Public Health Department issued a pamphlet on "The Production of Graded Milk," and the County Public

Health and Housing Committee ordered the pamphlet to be printed and circulated to the members of the County Council, the Local Authorities, and to the Farmers' Associations in Lancashire; 1,100 copies of the pamphlet have been circulated.

CLEAN MILK COMPETITION.—During the year under report the County Public Health Staff have rendered assistance to the Lancashire County Milk Recording Society in connection with their Clean Milk Competition.

There were six competitors residing in various parts of the County, and the competition extended over a period of three months. Six samples of milk (three night and three morning) were taken from each competitor's herd and submitted for bacteriological examination to Professor Topley, Public Health Laboratories, Manchester.

In addition to the taking of samples, surprise visits were paid by the County Staff to each competitor's farm at milking time, and award marks were given for—

- (1) The general health of the cows.
- (2) The suitability and care of the utensils and other equipment used in handling the milk.
- (3) The general method of handling the milk.

Basis of Awards.—The awards were made on the following scale of points :—

Examination of Milk—			
Bacterial content and keeping qualities ...			800
Inspection on the Farm—			
Health of cows (condition of the udder			
carefully examined)	...	...	400
General Management	...	...	200
		—	600
			1400

The results of the competition were carefully considered in conjunction with suggestions and observations by Professor Topley. The results on the whole were very good ; one of the competitors reached the standard required for the granting of a licence for " Certified milk," and three others reached the standard for " Grade A milk."

The following " Reports " as regards the competitors were forwarded to the Society :—

A—The bacteriological examinations of the samples of milk taken from this farm show that an excellent standard of cleanliness has been attained. The bacterial count per c.c. and bacillus coli per c.c. reach the standard required by the Ministry of Health for granting licences for certified milk ; in fact, no sample of milk from this farm contains bacillus coli in 1 c.c., and in no sample does the extraneous matter (dirt) exceed 5 parts per 100,000.

On the maximum of 800 marks the award in this case would be 720.

B—The results of the examination of this milk indicate a very high standard of cleanliness. The bacterial count per c.c. and bacillus coli per c.c. reach the standard required for the granting of licences for Grade A milk. The extraneous matter (dirt) in no sample exceeds 5 parts per 100,000.

On the maximum of 800 marks the award in this case is 600.

C—The results of the examinations in this milk indicate a very good standard of cleanliness. The bacterial count per c.c. and bacillus coli per c.c. reach the standard required for the granting of licences for Grade A milk, but not quite so high a standard as that reached by two other competitors. In no sample does the extraneous matter (dirt) exceed 8 parts per 100,000.

In setting a maximum of 800 marks the award in this case would be 576.

D—The bacteriological examinations of these samples with one exception reach the standard required for Grade A milk. Three of the samples contain more extraneous matter than the average for clean milk.

On the maximum of 800 marks the award in this case is 520.

E—The bacteriological examinations of these samples on the whole show that this competitor does not reach the standard of Grade A milk. Several of the samples indicate that the extraneous matter (dirt) is in excess of the normal for clean milk.

In setting a maximum of 800 marks, the award in this case would be 400.

F—The bacteriological examinations of these samples show that this competitor does not reach the standard of Grade A milk. *Bacillus coli* was found in each sample in 0.01 c.c. The extraneous matter (dirt) is not in excess of the normal. The results indicate that there is faecal pollution, and if this could be eliminated he would produce milk of a very high standard of cleanliness. Does this competitor groom his cows and clean his shippon floor regularly ?

On the maximum of 800 marks, the award in this case is 400.

The final awards were as follows :—

Identifica- tion.	Examination of Milk.	Inspection on the Farm.		TOTAL POINTS AWARDED. (1,400).
	Bact. Content and keeping qualities (Maximum 800).	Health of Cows (Maximum 400).	General Management (Maximum 200).	
A	720	300	155	1,175
B	600	360	166	1,126
C	576	350	144	1,070
D	520	320	130	970
E	400	320	153	873
F	400	310	139	849

DAIRIES, COWSHEDS, AND MILKSHOPS.—The number of cowkeepers, dairymen and purveyors of milk in each sanitary district in the County area is given in Table “J,” inserted opposite page 73.

The approximate totals for the County are :—

Number of cowkeepers	...	...	...	...	7,158
Number of dairymen or purveyors of milk, other than cowkeepers	...	...	...	...	1,780

Regulations under the Dairies, Cowsheds, and Milkshops Order, 1885, are now operative in every County district.

Arrangements are stated to have been made in 47 County districts for the inspection of dairy herds by veterinary surgeons.

EXAMINATION OF FARM PREMISES.—When special inspections of County districts are being made by the County Staff (referred to on page 69), particular attention is paid to premises used for the production of milk; each cowshed is examined and measured, and the attention of the local authority is drawn to any defects found to exist.

Food Inspection.—**UNSOUND FOOD.**—Sanitary Authorities are responsible for the control and protection of the food supplies. The Public Health (Meat) Regulations, 1924, operative from the 1st April, 1925, are designed to secure more adequate inspection of animals slaughtered for food, and improvements in the handling, transport and distribution of meat.

The following shows approximately the amount of unsound or diseased food seized and destroyed by the local health officials during the year 1924 :—

On account of tuberculosis—516 carcasses, or parts of carcasses. Tuberculous meat (in addition to the above), 34,682 lbs.

For other reasons—3 carcasses of cows, 3 sheep, 5 pigs, 5 turkeys, 255 rabbits, 13,060 lbs. beef, 10,553 lbs. mutton and lamb, 1,982 lbs. pork, 674 lbs. liver,

21,795 lbs. fish, 3,855 lbs. fruit, 8,482 lbs. vegetables, 1,683 lbs. miscellaneous foods, 6,473 tins, baskets, or crates of fish, fruit and vegetables, 14 lbs. lard, and 30 lbs. cheese.

Legal proceedings were taken in two instances, and penalties inflicted.

The Departmental Committee appointed to inquire into the use of preservatives and colouring matter in food issued their Final Report in September, 1924. The Committee report "We are convinced that if proper and cleanly methods of food preparation are to be generally secured, some further control is necessary." If suitable Regulations were made for securing ventilation, cleanliness of premises and appliances, the use of clean and wholesome materials, and the like, in all places where food is prepared and retailed, including eating-houses and restaurants, a great deal would be gained. Coupled with the power to make such Regulations, there should be a power of inspecting all places to which the Regulations applied.

Food Poisoning.—In April, 1924, a Memorandum was issued by the Ministry of Health (C.L. II.), drawing the attention of Medical Officers of Health to new arrangements for the examination of material obtained in connection with outbreaks of food poisoning.

Bakehouses.—From the local returns, there appear to be 2,442 bakehouses in the County districts.

Lodging-houses.—Registered lodging-houses in the County area number 94.

Smoke Observations.—The problem of smoke abatement is receiving greater attention than formerly, judging by the increasing number of smoke observations taken by local sanitary officials.

The number of observations taken in the County Area during the last six years is given below :—

1919	...	1,039	1922	...	1,983
1920	...	1,448	1923	...	2,185
1921	...	1,556	1924	...	3,027

In the year 1924 legal proceedings were taken by eight authorities—21 cases altogether.

The time limit allowed by local authorities for the emission of black smoke varies from three to twelve minutes per hour.

Scavenging and Refuse Removal.—According to information supplied in the local health reports, scavenging, refuse removal and public cleansing are undertaken as follow :—

By local authorities in 96 districts.

By authority and contract, or by contract only, in 14 districts.

By authority, by contract, and/or by owners or occupiers in 11 districts.

In about 80 County districts the contents of privy middens are still removed in the daytime.

Motor vehicles are used in the removal of refuse in 62 districts.

The cost of the public cleansing services has been under consideration, and His Majesty's Stationery Office has recently issued a report on "The Collection and Disposal of Refuse and Street Cleansing by Local Authorities in England and Wales."

REFUSE DESTRUCTORS.—Destructors have been provided by local authorities in 26 County districts, these districts are shown in Table "J," page 73.

House Drainage, Sewerage, and Sewage Disposal.—A very considerable area of the Administrative County is under the jurisdiction of the Mersey and Irwell and the Ribble Watershed Joint Committees as regards the method of sewage treatment and disposal.

Each district report gives briefly the character of the sewage disposal works and the method of treatment, and also refers to any development which has taken place during the year.

Many additional areas have been sewered and other general improvements effected, but the following townships or areas which have been previously commented upon are still reported as being without efficient drainage systems :—

Urban Districts.	Area Without Proper Drainage System.
Barrowford...	... Wheatley Lane area.
Brierfield ...	... Marsden Heights.
Chadderton...	... About 600 acres in the outlying districts.
Chorley (B.)	... Tinkler's Barracks, Red Bank, Plymouth Bridge, and Birkacre.
Croston ...	... Drinkhouse Lane and Grape Lane.
Denton ...	... No available sewer within 100 ft. of 41 houses.
Fleetwood ...	... Dock Estate.
Formby ...	... Portion of Freshfield.
Great Harwood	... Lidgett, Blackleach, and Cock Bridge.
Haydock ...	... Vicarage Road and West End Road, containing 29 and 40 houses respectively.
Heywood (B.)	... Birch, and parts of Manchester and Middleton Roads.
Hindley ...	... Platt Bridge.
Huyton-with-Roby..	Part Dinas Lane, Broad Green Road, and Stockbridge Lane.

Urban Districts.		Area Without Proper Drainage System.
Leyland	...	... Small portions of eastern and western areas.
Little Hulton	...	... Several areas in different parts of district.
Little Lever	...	... Dove Bank and Leadbeater Fold.
Middleton (B.)	...	... Bowlee, Birch, Rhodes Green, and part of Hebers.
Milnrow	...	... Burnedge district.
Newton-in-Maker-		
field	...	... Vulcan Village and Vitriol Square.
Norden	...	... Red Lumb, Lanehead, and Prickshaw.
Oswaltdtwistle	...	... Cross Edge and Duckworth Hall.
Preesall	...	... Sewerage scheme under construction.
Prestwich	...	... Simister Lane district.
Rishton	...	... Tottleworth Hamlet.
Royton	...	... Thorp and part of Oldham Edge.
Swinton and		
Pendlebury	...	... Forty houses at Langley Road, Pendlebury.
Thornton	...	... Chiefly East Ward (in progress).
Upholland	...	... Roby Mill and Pimbo Lane.
Widnes (B.)	...	... Halebank and rural township of Farnworth.
Withnell	...	... Chorley Road and Ollerton Cottages.

Rural Districts.		Area Without Proper Drainage System.
Barton-upon-Irwell.		Portions of Davyhulme and Clifton.
Burnley	...	... Cliviger, Dunnockshaw, Higham, and Old Laund Booth.
Bury	...	... About one-third of more populous areas.
Chorley	...	... Thirteen townships.
Clitheroe	...	... Aighton, Chaigley, Little Bowland, Little Mitton, Leagram, & Pendleton.
Fylde	...	... Treales, Wharles, and part of Warton.
Garstang	...	... Several areas.

Rural Districts.	Area Without Proper Drainage System.
Lancaster ...	... Silverdale, Priest Hutton, Overton, Yealand Conyers, and Yealand Redmayne.
Limehurst ...	... Alt, Hartshead, Little Moss, and Woodhouses.
Lunesdale ...	... Over Kellet and Nether Kellet.
Preston ...	... Longton, Penwortham, Little Hoole, &c.
Sefton ...	... Certain areas all over district.
Ulverston ...	... Lindale-in-Cartmel, Cartmel, Coniston, and Allithwaite.
Warrington	... Poulton-with-Fearnhead and Winwick-with-Hulme.
West Lancashire	... All townships, except Aughton and small part of Bickerstaffe.
Whiston ...	... Cronton, Tarbock, most of Kirkby, and parts of others.
Wigan ...	... Wrightington, Shevington, Parbold, Dalton, Worthington, and part of Haigh.

Water Supplies.—The Administrative County area, particularly the populous portion, is, on the whole, well provided with a plentiful and pure water supply, but there are a number of areas—outlying portions of urban districts and rural parishes—where the supply is inadequate, or restricted and intermittent.

No serious complaints of shortage of water were made in 1924. The average rainfall during the year in England and Wales, as a whole, was 42·6 inches, being 21 per cent. in excess of the average of the thirty-five years, 1881-1915, which has been adopted as a standard.

During the year the Ministry of Health issued a Memorandum on the special problems affecting the supply of water in rural areas.

Improvements in the water supplies and extension of water mains are reported from a number of County districts, and mention may be made of the following :—

Barrowford and

Nelson (B.) ... New reservoir in course of construction.

Chadderton ... Further rights acquired by Oldham and Rochdale Corporations.

Colne (B.) ... Additional battery of filters in progress.

Horwich ... New Pumping Plant.

Lathom and

Burscough ... 24 inch Borehole commenced.

Widnes (B.) ... Belle Vale Pumping Station completed.

West Lancs. (R.).. Tank completed for Hesketh & Tarleton.

Mains were extended in 24 districts.

In a number of district health reports reference is made to insufficient or unsatisfactory supplies. From these the following may be quoted :—

Ashton-in-

Makerfield ... In South and West Wards in dry seasons.

Dalton-in-Furness. Outlying dwellings very bad and pressure insufficient in many parts of town.

Haydock ... East and West Wards.

Preesall ... At Ridge Farm, Fluke Hall.

Tottington ... Hawkshaw.

Chorley (R.) ... At Coppull (now being remedied).

Fylde (R.) ... At Treales and Wharles.

Garstang (R.) ... At Pilling, Winmarleigh, and parts of 9 other townships.

Lancaster (R.) ... Cockerham, Thurnham, and Silverdale in dry times.

Leigh (R.) ... At Risley (receiving consideration).

Warrington (R.) Part of Cuerdley, Rixton, and Burtonwood.

Whiston (R.) ... At Kirkby and Halewood.

Wigan (R.) ... Parts of Dalton and Wrightington.

Shops Acts, 1912-1921.—During the year under report the County Council made one additional General Closing and Half-Holiday Order applying to five contiguous districts.

For contraventions of the Shops Acts, or Orders made thereunder, legal proceedings were instituted during 1924 in 58 instances. In 54 of the cases the offenders were fined or ordered to pay costs, and one case was pending at the end of the year. The fines varied from 5s. to 21s. Three cases were dismissed. Several minor offences were met by letters of caution.

By the Expiring Laws Continuance Act, 1924, the Shops (Early Closing) Act, 1920, as amended by the Shops (Early Closing) Act (1920) Amendment Act, 1921, was continued in force until the 31st December, 1925.

Midwives Acts, 1902 and 1918.—The County Council is the “Local Supervising Authority” responsible for the administration of the Midwives Acts in the Administrative County Area.

The number of certified midwives on the County Register on the 31st December, 1924, was 714.

During the year under report, 96 newly-certified midwives gave notice of their intention to practise, and 22 who had previously “ceased” recommenced to act. The names of 84 midwives were removed from the Register, viz., deaths 4, left County area 27, ceased to practise 51, allowed to surrender certificate after offences 1, struck off the Roll for offences 1.

Of the 714 midwives now on the Register, 548, or 77 per cent, have obtained their Certificate by reason of having passed a qualifying examination; the remaining 166 midwives, or 23 per cent., are on the Register on the grounds that they were in *bonâ-fide* practice in July, 1901. In 1905 the percentage of untrained midwives was 83.

RECORDS FROM MIDWIVES.—The following statement shows the number of copy medical help records received by the County Public Health Department from certified midwives during 1924 :—

MEDICAL HELP RECORDS.

(1) Cases in which a woman during pregnancy, labour, or lying-in, appears to be dying or is dead —

(2) Pregnancy—

Deformity or stunted growth	...	...	...	—
Loss of blood	...	...	...	89
Abortion or threatened abortion	...	...	...	155
Excessive sickness	...	...	...	18
Puffiness of hands or face	...	...	...	9
Fits or convulsions	...	...	...	1
Dangerous varicose veins	...	...	...	10
Purulent discharge	...	...	...	10
Sores of the genitals	...	...	...	1
Other abnormalities or complications	...	...	...	60

(3) Labour—

Fits or convulsions	...	...	...	...	9
A purulent discharge	...	...	...	...	2
Sores of the genitals	...	...	...	...	1
A malpresentation	...	...	...	...	300
Presentation other than uncomplicated head or breech	...	...	...	...	16
Where no presentation can be made out	...	...	...	...	106
Where there is excessive bleeding	...	...	...	...	161
Where two hours after the birth of the child the placenta has not been completely expelled	...	...	...	...	967
In cases of serious rupture of the perinæum or of other injuries of the soft parts	...	...	...	...	1518
Other complications, including obstructed labour, uterine inertia, or requiring instrumental assistance	...	...	...	...	

(4) Lying-in—

Fits or convulsions	...	...	...	...	5
Abdominal swelling and tenderness	...	...	...	...	3
Offensive lochia, if persistent	...	...	...	...	—
Rigor with raised temperature	...	...	...	...	8
Rise of temperature above 100·4° F. with quickening of the pulse for more than 24 hours	...	...	...	...	98
Unusual swelling of the breasts with local tenderness or pain	...	...	...	...	6
Secondary post-partum hæmorrhage...	...	...	...	...	1
White leg	...	...	...	...	1
Unsatisfactory progress or complications	...	...	...	...	96

(5) The Child—

Injuries received during birth	...	...	...	1
Any malformation or deformity endangering the child's life...	...	...	...	19
Dangerous feebleness	...	...	...	267
Inflammation of, or discharge from, the eyes, however slight	...	...	...	260
Serious skin eruptions, especially those marked by the formation of watery blisters	...	...	...	17
Inflammation about, or hæmorrhage from, the navel	...	...	...	1
Other complications	...	...	...	257
Total	...	...	...	<u>4473</u>

STILL-BIRTHS :—

Males 172, Females 172	...	...	...	344
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*DEATHS OF MOTHER OR CHILD :—

Mother 15, Child 145	...	...	...	160
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SUBSTITUTION OF ARTIFICIAL FOR BREAST FEEDING	141
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LIABILITY TO BE A SOURCE OF INFECTION	...	65
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LAYING OUT THE DEAD	...	...	...	46
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STILL-BIRTHS.—The number of still-births occurring in the practice of certified midwives and the percentage of these births to *total* births, showed a decline as compared with the years 1923 and 1922.

The following statement compares 1924 with preceding years, giving the percentage of still-births reported by midwives practising in the County area to the total births attended by them :—

*See footnote on page 88.

Year.	No. of Births attended by Certified Midwives practising in County area.	No. of Still-births reported by Certified Midwives.	Percentage of Still-births reported by Midwives to total births attended by them.
1915	20,941	392	1.87
1916	17,069	397	2.32
1917	15,592	361	2.31
1918	14,966	305	2.03
1919	16,240	381	2.34
1920	21,843	479	2.19
1921	19,566	443	2.26
1922	17,046	401	2.35
1923	16,557	359	2.16
1924	16,268	344	2.11

The following table compares the number of Records, &c., received from the certified midwives practising in the County during the year 1924, with the preceding three years :—

	1921.	1922.	1923.	1924.
Records of sending for medical help ...	4015	3817	3926	4473
Still-births ... Male ... Female ...	²⁶⁵ ₁₇₈ 443	²⁰⁹ ₁₉₂ 401	¹⁸⁷ ₁₇₂ 359	¹⁷² ₁₇₂ 344
*Deaths of Mother or Child ... Mother ... Child ...	³ ₄₈ 51	³ ₃₉ 42	³ ₄₃ 46	¹⁵ ₁₄₅ 160
Substitution of artificial for breast feeding ...	153	132	115	141
Liability to be a source of infection ...	62	68	54	65
Laying-out the dead ...	24	35	43	46

* Under the revised Rules of the Central Midwives Board, which came into operation on the 1st January, 1924, Midwives have to report *all* deaths of mother or child in their practice. Prior to that date deaths of mother or child before the attendance of a medical practitioner only reported.

MEDICAL HELP RECORDS.—The certified midwives practising in the County area in the year 1924 summoned medical assistance in cases of emergency, as defined by the Rules, in 27 per cent. of their cases, as compared with 23 per cent. last year, and 22 per cent. in 1922. Thirteen years ago in only 10 per cent. of the cases attended by midwives was medical aid sought, and in 1907 the percentage was only 4. During 1924 the *trained* midwives on the County Register called in medical assistance in 28·5 per cent. of their cases, compared with a percentage of 23·1 in the cases attended by *untrained* midwives.

NUMBER OF CONFINEMENTS ATTENDED BY MIDWIVES.—The following table shows the number of births attended by midwives in the County area during the year 1924 and previous years. Midwives on the County Register as “practising” but who did not actually attend any cases are excluded, and the figures in this table also exclude the births attended by midwives residing in County Boroughs who take only occasional cases in the County area* :—

Year.	Total Births in County area.	*No. of Births attended by practising Midwives (excluding County Boro. Midwives).	Percentage of Births attended by Midwives to total Births.	No. of “Medical Help” Records received.
1915	34,595	19,981	57·7	2,391
1916	32,695	16,530	50·5	2,502
1917	28,420	14,928	52·5	2,271
1918	27,736	14,333	51·6	2,078
1919	28,799	15,584	54·1	2,779
1920	39,767	20,761	52·2	4,249
1921	36,558	18,730	51·2	4,015
1922	32,011	16,234	50·7	3,817
1923	30,672	15,763	51·3	3,926
1924	29,519	15,406	52·1	4,473

In the year 1924, 21 midwives attended over 100 cases.

26	„	between 75 & 100 „
77	„	„ 50 & 75 „
116	„	„ 25 & 50 „
205	„	„ 5 & 25 „
118	„	less than 5 cases.

PUERPERAL FEVER.—By arrangement with the local Medical Officers of Health, early information is received by the County Authority of notification of cases of “ puerperal fever ” reported by medical practitioners under the Infectious Disease (Notification) Act, in cases where a midwife was, or had been, in attendance.

During the year under report, 84 cases of puerperal fever were thus notified, 7 more than in 1923, but 18 fewer than in 1922. The case mortality corresponded to 28·2 per cent., and the attack-rate per 1,000 births was 2·84 per cent.

The table below contrasts 1924 with the preceding ten years :—

	Puerperal Fever Cases.	Deaths.	Case Mortality per cent.	Attack Rate per 1,000 births.
1914.....	145	53	36·3	3·76
1915.....	93	31	33·3	2·68
1916.....	94	*26	27·3	2·87
1917.....	59	17	28·8	2·07
1918.....	49	†22	44·0	1·80
1919.....	75	‡33	42·8	2·60
1920.....	135	§51	37·2	3·39
1921.....	109	§33	29·7	2·98
1922.....	102	||33	31·1	3·18
1923.....	77	17	22·0	2·51
1924.....	84	*24	28·2	2·84

* Includes death of a case notified in previous year.

† Includes death of a case not notified.

‡ Includes 2 deaths of cases notified in previous year.

§ Includes 2 deaths of cases not notified.

|| Includes 2 deaths of cases notified in previous year,
and 2 deaths of cases not notified.

The exact incidence of "puerperal fever" is difficult to ascertain. Of the total notifications received, viz., 84, the number terminating fatally was 24, but the Registrar-General in his annual statistics, under the term "puerperal sepsis," gives 46 deaths in the County area, the discrepancy probably being accounted for by the inclusion of deaths from certain conditions of the puerperal state which are not usually notified as "puerperal fever" by medical practitioners.

Sir George Newman, in his Annual Report,* says under existing conditions the "notification" of "puerperal fever" is of little practical value, and on the advice of the officials of the Ministry of Health the Section of Obstetrics and Gynæcology of the Royal Society of Medicine were invited to advise (a) whether the term "puerperal fever" should be replaced by a term more likely to lead to notification of the type of case which it was thought should be reported, and (b) whether it would be possible to indicate certain signs and symptoms which would lead a doctor to notify a febrile condition of the puerperium without necessarily making a diagnosis of sepsis. The invitation was accepted, and, after full consideration, the following recommendations were submitted to the Minister of Health, with a suggestion that the British Medical Association might usefully be consulted in regard to them, a suggestion which has been carried out:—

The Obstetrical Section recommended that the term "sustained puerperal pyrexia" should be substituted for "puerperal fever," and that for purposes of the Notification Acts and of investigations subsequent to notification it should be defined as follows:—

"Sustained puerperal pyrexia means and includes any febrile condition occurring in a woman within 21 days after childbirth or miscarriage in which a temperature of 104·4° F. (38° C.) or higher is sustained or recurs during a period of 24 hours."

* Extract from the Annual Report of the Chief Medical Officer of the Ministry of Health, 1924.

It was further suggested that the duty of notifying a case of sustained puerperal pyrexia should be imposed jointly and severally on every person in attendance upon a woman during or after a confinement or miscarriage ; that a special form of certificate should be prescribed for the purpose of notification ; and that should the medical officer of health of a district be not wholly debarred from private practice the certificate should be sent to the medical officer of health of the county within which such district is situated. The medical practitioner certifying a case of sustained puerperal pyrexia should be required to furnish to the medical officer of health full information in regard to the circumstances attaching to the case in the form of a prescribed questionnaire for which a special fee would be payable.

It was recommended that Local Authorities should be required to make satisfactory provision for assistance in the diagnosis and treatment of puerperal fever, and that until it is possible to require such action the Ministry of Health should encourage them to utilise to the full their existing powers. It was also considered that more stringent regulations should be framed to prevent the practice of midwifery by handy-women ; that the medical practitioner should indicate when reporting a case what, if any, assistance was required ; that voluntary hospitals should be encouraged to make provision for the admission of puerperal pyrexia, and, finally, that the Minister of Health should set up a permanent representative committee to investigate the causes of puerperal pyrexia.

In the following statement, the notified cases of puerperal fever are classified, distinguishing those in which midwives were concerned :—

	1923.			1924.		
	Cases.	Deaths.	Mortality rate per cent.	Cases.	Deaths.	Mortality rate per cent.
Cases attended at child-birth solely by certified midwives	33	8	24.2	37	12	32.4
Cases in which midwives acted as nurses under the supervision of medical practitioners	28	7	25.0	28	6	21.4
Cases in which certified midwives were not in attendance	16	2	12.5	19	*6	30.0

* Includes death of a case notified in previous year.

All cases in which certified midwives were concerned were investigated and the facts recorded. In addition, enquiries were made into 106 cases of rise of temperature or rigor.

CHARGES OF NEGLIGENCE, MISCONDUCT, &c.—The disciplinary action taken during 1924 is shown in the following table. The number of charges against midwives was 35, as compared with 50 in the preceding year, and 39 in 1922. In addition, a number of minor breaches of the Rules were suitably dealt with.

	Total No. of charges.	Result of action taken.					
		Struck off the Roll.	Sur-rendered Certificate and name removed from Roll.	Ap-peared before Mid-wives Act Com-mittee and severely censured	Severely cen-sured by letter.	Cau-tioned by letter.	Cen-sured by County Med-ical Officer.
Puerperal fever cases	6	...	...	...	...	6	...
Ophthalmia neo-natorum cases	19	...	...	...	...	19	...
Other offences ...	10	1	1	...	1	5	2

OPHTHALMIA NEONATORUM.—By notifications under the Public Health (Ophthalmia Neonatorum) Regulations and by medical help records received from certified midwives, 328 cases of inflammation of, or discharge from, the eyes came under notice, and of these 152 were “notified” as ophthalmia neonatorum. In the previous year these figures were 372 and 208 respectively. Of the 152 ophthalmia neonatorum cases in 1924, 35 were doctors’ cases, that is, no certified midwife was in attendance, or, if present, only in the capacity of nurse.

The investigations into the ophthalmia cases in 1924 showed that in 19 instances the certified midwives in attendance were at fault, mainly for failing to call in a medical practitioner, or delay in so doing. The following statement shows the nature of the offences in 1924, compared with 1920, 1921, 1922, and 1923 :—

Year.	NATURE OF NEGLIGENCE CHARGES.						
	Total.	Failure to call in a Doctor.	Delay in calling in a Doctor.	Failure to forward copy record to L.S.A.	Delay in forwarding copy record to L.S.A.	Failure to use prescribed form.	Improper treatment.
1920....	53	15	25	7	..	6	..
1921....	39	15	11	8	2	3	..
1922....	28	5	7	9	1	6	..
1923....	30	7	20	2	..	..	1
1924....	19	4	14	..	1	..	..

The children reported during recent years to be suffering from ophthalmia neonatorum are from time to time re-visited, either by the County health visitors or by the staff of the local health authority, with the object of ascertaining the *present* condition of the eyes, *i.e.*, whether normal or defective, and

the following table shows the results of such enquiries as regards the cases reported during the years 1922 and 1923 :—

OPHTHALMIA NEONATORUM.

Information regarding condition of eyes, obtained by re-visits, after a lapse of from 1 month to almost 2 years from date of first report.

	YEAR 1922.		YEAR 1923.	
	* All "Eye Cases."	Notified as Oph. Neon.	* All "Eye Cases."	Notified as Oph. Neon.
Total No. of "Eye Cases" reported to the Local Supervising Authority under the Midwives Act	381	...	372	...
Total number of cases notified as Ophthalmia Neonatorum	...	237	...	208
Information regarding condition of eyes after a lapse of from 1 month to almost 2 years from date of first report—				
Totally Blind	...	...	...	...
R. Blind—L. Normal	2	1	...	...
L. Blind—R. Normal	2	2	...	...
L. Blind—R. Weak	1	1	...	...
R. Partially Blind—L. Normal	1	1	...	...
Both eyes discharging	3	2	3	1
R. Discharging—L. Normal... ..	1	...	...	...
L. Discharging—R. Normal	...	...	1	1
Both Eyes Weak	6	4	11	7
R. Weak—L. Normal	3	3	1	1
L. Weak—R. Normal	1	...	1	...
Blepharitis (both eyes)	5	2	2	...
L. Blepharitis—R. Normal	1	1	2	1
Squint (both eyes)	2	2	...	...
R. Squint—L. Normal	2	1	...	...
L. Squint—R. Normal	2	2	...	...
R. Squint—L. Nebula	...	...	1	1
Nebula (both eyes)	...	...	1	1
R. Nebula—L. Normal	...	...	1	1
L. Nebula—R. Normal	1	1	1	1
L. Ptosis—R. Normal	3	2	...	...
L. Large Opacity—R. Normal	...	...	1	1
R. Conjunctivitis—L. Normal	...	...	1	1
Occasional Conjunctivitis	...	...	1	...
Eyes Normal	276	157	299	166
Children Deceased	42	34	30	16
Left District—No information, or still under treatment	27	21	15	9
	381	237	372	208

* Includes all cases in which the Certified Midwives called in medical practitioners on account of inflammation of, or discharge from the eyes.

PAYMENT OF DOCTORS' FEES.—EMERGENCY CASES.—Under the Midwives Act, 1918, the total number of accounts received from medical practitioners up to the 31st December, 1924, in respect of cases in which the latter were summoned by midwives in "cases of emergency" was 2,735, the total amount involved being £4,431 17s. In the year 1924, the number of accounts sent in by doctors was 1,001, whilst the total number of copy medical help records received from midwives was 4,473. By the operation of the "scale of family income" adopted by the County Public Health Department, £3,529 8s. 7d. had to be borne by the County Council; of the remaining £902 8s. 5d., a sum of £831 0s. 2d., or 92 per cent., has, up to the present time (August, 1925), been recovered.

TRAINING AS MIDWIVES.—Financial assistance is offered by the County Council to suitable women to enable them to train as midwives at recognised institutions. During the year under report, eleven women were so assisted, including four who were granted Scholarships in Midwifery offered by the County Education Committee.

Amended Rules of the Central Midwives Board have recently been approved, the main feature of which is that from the 1st May, 1926, it will be necessary for any person sitting for the examination of the Central Midwives Board to have had *twelve months'* training if she is not a trained nurse, and six months if she is a trained nurse. In 1902 the period of training required was only three months, and this was extended to six months in 1916.

ASSISTANCE TO DISTRICT NURSING ASSOCIATIONS.—A sum of £202 was allocated during the year 1924 to District Nursing Associations on account of the midwifery and maternity nursing work carried out by them, £142 10s. being the amount of the "grant" made by the Ministry of Health, the balance being supplied from the County Funds.

INSPECTION OF MIDWIVES.—Routine inspections are undertaken by the County Inspector of Midwives, and, when necessary, special investigations are carried out by the Assistant County Medical Officers of Health. Advantage is taken both of the routine and special visits to discuss with the midwives practical problems, and latterly at these visits special emphasis has been laid on the value of ante-natal work ; all the certified midwives have been supplied with a book in which to record notes of their ante-natal visits. Midwives are urged to ascertain on their early visits whether their cases are likely to present complications, and it is pointed out that for the protection of their patients and incidentally of themselves, they should urge, in any case of doubt, the desirability of the patient having a skilled examination. As already stated, visits of enquiry are made regarding cases of puerperal septicæmia and ophthalmia neonatorum, and full enquiries are made into charges of negligence or misconduct on the part of certified midwives.

UNCERTIFIED “MIDWIVES.”—HANDY-WOMEN.—A few instances have come under notice during the year of unqualified women acting as “midwives,” but difficulties are experienced in obtaining sufficient satisfactory evidence to take legal action. Usually a warning has had the desired effect. The decision of the King’s Bench Division of the High Court may have the effect of removing some of the difficulties which have been experienced by Local Supervising Authorities in this connection, as the Court held that the words “under the direction” mean that the medical man to avoid the suspicion of “covering” must make himself personally responsible for the case, and that the direction of the doctor to the unqualified handy-woman must be a real, and not a merely nominal, direction.

Blind Persons Act, 1920.—This Act empowers County Councils and County Borough Councils to make arrangements for promoting the welfare of the blind persons resident in their area, and such Councils may for this purpose provide and maintain or contribute towards the provision and maintenance of Societies and Workshops for the Blind.

The Lancashire County Council have imposed the administration of the Act upon the Public Health and Housing Committee, which has entrusted the duty of preparing and carrying out the Scheme to its Maternity and Child Welfare Sub-Committee.

The expenses incurred by the County Council under the Blind Persons Act are defrayed out of the County Fund as expenses for general purposes.

As a result of a census which has been taken, it has been found that there are 1,451 blind persons in the Administrative County Area.

A report, both for administrative and medical purposes, has been made on each blind person by either the Assistant County Medical Officers or the Local Medical Officers of Health.

The Administrative County Area has been divided up into what are termed "Workshop Areas," and arrangements have been made with Voluntary Agencies to supervise the blind persons in these various areas. The names of the Voluntary Agencies are as follows :—

Accrington Workshops for the Blind.

Ashton, Stalybridge, Dukinfield and District Home
Teaching Society for the Blind.

Barrow and District Society for the Blind.

Blackburn Workshops for the Blind.

Blackpool and Fylde Society for the Blind.
 Bolton Workshops for the Blind.
 Colne Blind Prevention and Aid Society.
 Fulwood (Preston) Workshops for the Blind.
 Liverpool Workshops for the Blind.
 Manchester, Henshaw's Institution for the Blind.
 Manchester and Salford Blind Aid Society.
 Oldham (Men's) Workshops for the Blind.
 Oldham Home Teaching Society, Werneth.
 Rossendale Society for the Blind.
 Rochdale and District Society for Visiting and In-
 structing the Blind.
 St. Helens Society for the Welfare of the Blind.
 Warrington and District Society for the Blind.
 Wigan Workshops for the Blind.

Grants to the above Workshops and Societies are paid on the following basis :—

£20 per annum per workshop employee.
 £20 per annum per Home Worker.
 £78 per annum per Home Teacher employed wholly in
 visiting County cases.

In addition to the above-mentioned grants, an annual contribution is made to each Workshop or Society for non-specific services ; for example, for the help which they give to the non-employable blind and for their general expenses.

There are 56 Workshop Employees, 41 Home Workers, and 21 Home Teachers in respect of whom the Lancashire County Council pay grant.

In addition to the ordinary Voluntary Agencies the Lancashire County Council also make a contribution to the Northern Branch of the National Library for the Blind.

The Blind Persons Act does not relieve Boards of Guardians of any of their responsibilities under the Poor Law Acts.

The Blind Persons Act does not interfere with the duties of Education Authorities under Part V. of the Education Act, 1921. Both Acts are administered by the same Department of the County Council, and, in addition, the same Department is responsible for the higher education and training of the blind. This arrangement has been found very advantageous in many ways, as one Department has the administrative supervision of every class of the blind who can be dealt with by the County Council.

Sale of Food and Drugs Act, 1875—1907.—The County Analyst (Mr. Collingwood Williams, B.Sc., F.I.C.), in his report for the year 1924 to the Public Health and Housing Committee, states that 4,995 samples were submitted during the year for analysis, of which 4,721 were from the County Police, 271 from Inspectors of Local Authorities, and 3 from other persons.

Of the samples submitted by the Police, 365 were adulterated or not up to standard, being 7.72 per cent. of the number taken, as compared with 7.87 per cent. in 1923.

Of the samples submitted by Inspectors of Local Authorities, 18 were adulterated or not up to standard, being 6.64 per cent. of the number taken.

As usual, the majority of the above cases were only of a slight character, the percentage of serious cases being only 2.96 per cent., as compared with 2.77 per cent. in 1923.

Table K, here inserted, gives details of the articles purchased for analysis in each Police Division and the number adulterated.

SALE OF FOOD AND DRUGS ACTS.

TABLE K. SAMPLES TAKEN IN THE ADMINISTRATIVE COUNTY DURING 1924.

DIVISION.	MILK.			OTHER ARTICLES OF FOOD.			DRUGS.			TOTALS.			PERCENTAGE OF ADULTERATED SAMPLES.		TOTAL.	DIVISION.
	Samples.	Adulterated.		Samples.	Adulterated.		Samples.	Adulterated.		Samples.	Adulterated.		Serious Cases.	Slight Cases.		
		Serious Cases.	Slight Cases.		Serious Cases.	Slight Cases.		Serious Cases.	Slight Cases.		Serious Cases.	Slight Cases.				
Lonsdale North ...	63	6	4	57	2	2	4	...	...	124	8	6	6.4	4.8	11.2	N.L.D.
Lonsdale South ...	40	1	...	90	4	1	4	1	...	134	6	1	4.5	0.7	5.2	S.L.D.
Garstang	48	...	...	38	...	...	...	...	...	86	...	...	...	...	0.0	G.D.
Kirkham	132	4	13	79	...	6	7	...	...	218	4	19	1.8	8.7	10.5	Km.D.
Blackburn Lower	106	2	2	82	6	2	15	...	1	203	8	5	3.9	2.5	6.4	L.B.D.
Blackburn Higher	218	5	12	101	...	...	13	...	1	332	5	13	1.5	3.9	5.4	H.B.D.
Church	138	2	6	50	...	3	3	...	...	191	2	9	1.0	4.7	5.7	C.D.
Rossendale	140	4	6	2	...	...	...	...	...	142	4	6	2.8	4.2	7.0	Rs.D.
Leyland	178	3	13	98	...	4	20	...	3	296	3	20	1.0	6.7	7.7	L.D.
Bolton	174	1	9	96	...	1	20	...	...	290	1	10	0.3	3.4	3.7	Bn. D.
Bury	122	6	6	90	1	2	12	...	...	224	7	8	3.1	3.5	6.6	By.D.
Rochdale	311	12	18	70	...	3	9	4	...	390	16	21	4.1	5.4	9.5	R.D.
Ashton-under-Lyne	186	3	3	30	...	1	9	...	...	225	3	4	1.3	1.8	3.1	A.D.
Manchester ...	220	8	19	311	4	8	48	2	1	579	14	28	2.4	4.8	7.2	M.D.
Seaforth	172	17	13	30	...	...	...	...	...	202	17	13	8.4	6.4	14.8	S.D.
Ormskirk	131	8	17	6	...	1	...	...	...	137	8	18	5.8	13.1	18.9	O.D.
Prescot	89	4	9	7	...	...	...	...	...	96	4	9	4.2	9.3	13.5	P.D.
Widnes	101	6	5	39	3	2	...	...	...	140	9	7	6.4	5.0	11.4	Ws.D.
Warrington	214	11	15	138	5	3	...	...	...	352	16	18	4.5	5.1	9.6	W.D.
Wigan	186	4	5	166	1	4	8	...	1	360	5	10	1.4	2.8	4.2	Wgn.D.
County Police	2969	107	175	1580	26	43	172	7	7	4721	140	225	2.96	4.76	7.72	Police
*Local Authorities	220	6	11	51	1	...	...	...	...	271	7	11	2.58	4.06	6.64	L.A.
Private Purchasers	1	...	...	2	...	...	...	...	...	3	...	...	...	...	0.0	P.P.
Totals	3190	113	186	†1633	27	43	172	7	7	4995	147	236	...	...	...	...
Percentage of Adulterated Samples	...	3.54%	5.83%	...	1.65%	2.63%	...	4.07%	4.07%	...	2.94%	4.72%	...	...	...	...

* The 271 samples taken by Local Authorities include :—Boroughs of Darwen 24, Lytham Saint Annes 62, Middleton 118, Nelson 1, Widnes 2 ; Urban District Councils of Crompton 3, Denton 4, Rishton 5, Swinton and Pendlebury 2, and Westhoughton 50.

† The 1,633 miscellaneous articles analysed comprised Arrowroot 47, Baking Powder 63, Bicarbonate of Soda 37, Beer 26, Butter 219, Cheese 75, Cocoa 33, Coffee 142, Condensed Milk 11, Cornflour 18, Cream of Tartar 36, Custard Powder 17, Ginger 106, Ground Rice 18, Jam 18, Lard 128, Lemon Cheese 14, Margarine 144, Mustard 17, Oatmeal 12, Pepper 157, Rice 24, Spice 13, Tapioca 21, Tea 19, Vinegar 10, Whiskey 65, Tinned and Potted Foods 22, various other Articles 121.

SALE OF FOOD AND DRUGS ACTS.

TABLE L.—PROSECUTIONS ARISING OUT OF SAMPLES PURCHASED DURING THE YEAR 1924.

DIVISION.	Samples reported as Offences.	Number of Prosecutions.	Convicted or Ordered to Pay Costs.	Withdrawn on payment of Costs.	Dismissed.		Fines and Costs.
					On War-ranty.	For Other Reasons	
							£ s. d.
Lonsdale North	2	2	2	...	...	...	1 15 6
Lonsdale South	1	1	1	...	...	...	2 3 6
Garstang	0	0	...	...	...	...	...
Kirkham	1	1	1	...	...	...	0 10 0
Blackburn Lower	2	2	2	...	...	...	7 4 10
Blackburn Higher	0	4	4	...	...	...	0 16 0
Church	1	0	...	...	...	...	...
Rossendale	2	2	2	...	...	...	12 10 6
Leyland	0	0	...	...	...	...	...
Bolton	0	0	...	...	...	...	...
Bury	1	1	...	...	...	1*	...
Rochdale	2	3	3	...	...	...	13 3 5
Ashton-under-Lyne	0	0	...	...	...	...	...
Manchester	5	4	3	...	1	...	20 1 9½
Seaforth	4	4	1	3	...	...	9 0 0
Ormskirk	4	4	4	...	...	...	23 14 9
Prescot	1	0	...	...	...	...	...
Widnes	2	1	1	...	...	...	4 0 1
Warrington	8	6	6	...	...	...	37 17 1
Wigan	0	0	...	...	...	...	...
County Police	36	35	30	3	1	1	132 17 5½
Local Authorities	...	3	3	...	...	...	10 10 6
Totals ..	...	38	33	3	1	1	£143 7 11½

* Case remitted for conviction on appeal.

STATE OF NEW YORK

IN SENATE
JANUARY 10, 1901.

REPORT
OF THE
COMMISSIONER OF THE LAND OFFICE
IN RESPONSE TO A RESOLUTION
PASSED BY THE SENATE
MAY 1, 1899.

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

ALBANY: J. B. LIPPINCOTT & CO., PRINTERS.
1901.

MILK.—Three thousand one hundred and ninety samples (63·86 per cent. of the total samples taken) were purchased as milk or skimmed milk.

The number of adulterated, deficient, or dirty samples was 299, or 9·37 per cent., as compared with 11·08 per cent. in 1923 ; but only 113, or 3·54 per cent., were serious cases.

The character of the adulteration in the condemned samples was as follows :—

Nature of Adulteration.		Percentage of Samples Analysed (including duplicate adulterations)		
		1924.	1923.	
Added water exceeding 4% ...	1.57	} 3.70	1.28	} 3.21
Do. less than 10% ...	2.13		1.93	
Fat deficiency exceeding 10% ...	1.19	} 3.63	1.64	} 4.99
Do. less than 10% ...	2.44		3.35	
Cowdung exceeding 5 parts per 100,000 ...	0.44	} 2.01	0.62	} 3.41
Do. exceeding 2 parts, but not exceeding 5 parts	1.57		2.79	
Colouring matter...	0.41		0.13	

No sample of milk in 1924 contained preservatives.

The following statement shows the extent to which the condemned samples were adulterated :—

Added water ... 41 contained from 4 to 10%
 6 „ 11 to 15%
 3 „ 18, 21, and 25%
 respectively.

Fat deficiency ... 19 showed a deficiency from 11 to 15%
 13 „ „ 16 to 30%
 6 „ „ 31 to 38%

Cowdung ... 10 contained 5 parts by volume per 100,000

2 „ 6 „ „
 1 „ 7 „ „
 1 „ 8 „ „

The average composition of the milk purchased for analysis in the County for the past three years is shown in the following table :—

Month.	% Fat.			% Non-fatty Solids.		
	1922.	1923.	1924	1922.	1923.	1924.
January ...	3.57	3.55	3.61	9.06	8.98	8.97
February ...	3.52	3.53	3.60	9.11	8.97	8.99
March ...	3.65	3.56	3.59	9.07	9.02	9.03
April ...	3.57	3.60	3.58	9.00	9.02	9.13
May ...	3.65	3.59	3.67	9.00	9.03	9.04
June ...	3.54	3.69	3.71	9.02	9.10	9.03
July ...	3.61	3.51	3.71	8.92	8.95	8.98
August ...	3.79	3.60	3.66	9.02	9.03	8.95
September ...	3.83	3.84	3.85	9.01	9.09	8.99
October ...	3.81	3.93	3.95	9.01	9.11	8.99
November ...	3.75	3.85	3.73	9.09	9.03	8.97
December ...	3.78	3.75	3.74	9.02	9.00	8.90
Annual Average	3.69	3.68	3.71	9.03	9.03	8.99
No. of Samples	2774	3011	3142	2774	3011	3142

Note.—The figures for 1924 include all samples of milk purchased for analysis with the exception of 13 sold as “Skimmed Milk,” 34 very rich milks, and 1 in which the analysis was uncertain.

The number of milk samples analysed was 141 more than in 1923. The percentage of watered samples was 0.49 per cent. higher, that of samples deficient in fat was 1.33 per cent. lower, and that of samples containing cowdung was 1.4 per cent. lower.

Except as regards watering, there is a marked improvement as compared with last year.

The average composition of the milks taken for analysis continues to be satisfactory, viz., fat 3·71 per cent. and other milk solids 8·99 per cent., as compared with the statutory limits of 3·0 per cent. and 8·5 per cent. respectively. As usual the monthly average of non-fatty solids was practically constant throughout the year.

FOOD SAMPLES OTHER THAN MILK.—One thousand six hundred and thirty-three samples of miscellaneous articles of food were analysed. The number and nature of these are shown at the foot of Table K, (page 100).

DRUGS.—Samples of drugs submitted numbered 172, viz., borax 74, camphorated oil 6, castor oil 8, cod liver oil 3, Epsom salts 19, Glauber salts 1, glycerine 12, Gregory powder 8, health salts 1, liquorice powder 4, liver salts 1, and magnesia 35.

PRESERVATIVES IN PERISHABLE ARTICLES.—The following articles were examined for preservatives :—

	Samples examined.	
Milk,	3190 ;	all free from preservatives.
Cream,	9 ;	contained from 0·17 to 0·39 per cent. boric acid.
Butter,	219 ;	208 free, 11 contained from a trace to 0·5 per cent. boric acid.
Cheese,	1 ;	contained 2·3 grains boric acid per pound.
Margarine,	126 ;	4 free, 122 contained borate preserva- tive, varying from 0·05 to 0·6 per cent.
Jam,	18 ;	13 free, 5 contained salicylic acid, vary- ing from 0·05 to 0·7 grains per pound.
Marmalade,	3 ;	2 free, 1 contained 1·4 grains salicylic acid per pound.

	Samples examined.	
Jelly,	9 ;	7 free, 1 contained 0.26 grains salicylic acid and 1 contained 1.12 grains boric acid per pound.
Lemon Cheese,	14 ;	3 free, 11 contained salicylic or boric acid, varying from 1.4 to 3.7 grains per pound.
Sponge Cake,	2 ;	contained 1.9 and 6 grains boric acid per pound.
Potted Meat,	7 ;	4 free, 3 contained from 3 to 20.7 grains boric acid per pound.
Miscellaneous,	7 ;	all free.

INFORMAL SAMPLES.—Four thousand three hundred and sixty-eight samples, including 2,617 milks, were taken without notice to the sellers that they were intended for analysis.

Of these informal samples, 74 milks and 37 other samples were offences.

Twenty-six informal milks contained added water, and corresponding formal samples were watered in 11 cases and genuine in 13 cases.

Thirty informal milks were deficient in cream, and corresponding formal samples were deficient in cream in 5 cases, watered in 1 case, and genuine in 18 cases.

Eight informal milks contained colouring matter, and corresponding formal samples were also coloured in all cases.

Ten informal milks contained cowdung, but as there were no very bad cases among them, the vendors were in most instances cautioned in regard to the informal samples.

Informal milk samples are obtained only from vendors who have a clear record for at least 3 years, and when an adulterated sample is supplied samples from that vendor are

taken formally for the future. As informal samples can be taken more quickly, and in larger numbers than formal samples, cases of adulteration are no doubt detected in this way which would escape the slower method of formal sampling. Failure to immediately follow up the informal sample successfully has been rather frequent during the year under report, but if there is no permanent improvement the further formal sampling may be expected to detect the delinquency.

The 37 offences among informal samples other than milk included 24 adulterated samples and 13 unlabelled margarines. In 10 cases similarly adulterated samples were obtained formally, but 1 was labelled as a mixture, and in 11 cases the formal samples were genuine or nearly so.

The vendors of unlabelled margarines were cautioned in most instances without the purchase of a formal sample.

PROSECUTIONS.—There have been 38 prosecutions in respect of samples purchased during the year.

Twenty-four related to milk (added water 16, deficient in cream 4, cowdung 1, and colouring matter 3), 3 margarines not properly labelled, 1 ginger consisting of exhausted ginger, 1 vinegar deficient in strength and contained added acetic acid, 1 baking powder containing 8·9 per cent. calcium sulphate, 3 whiskies containing excess of water, 1 borax containing 3·75 grains of arsenic per pound, and 4 cases of no name and address on milk cans.

In 33 cases the defendants were fined or ordered to pay costs, 3 cases were withdrawn on payment of costs, and 2 dismissed, 1 (baking powder) on warranty, and 1 (milk) because a deficiency in milk fat was due to the natural rising of the cream in the kit from which milk was served by a tap at the bottom. On appeal to the Divisional Court the latter case was remitted for conviction (*Thompson v. Nuttall*, 13th May, 1925).

The penalties (including costs) were as follows :—One of £10, one of £9, four of £8, three of £7, two of £6, three of £5, three of £3, two of £2, one of £1, one of 10s., one of 2s. 6d., and 14 costs only. The total fines and costs amounted to £143 7s. 11½d., and the average penalty was £3 19s. 8d., a decrease of £1 12s. on the corresponding figure for 1923. (Table L, page 100, shows the prosecutions in each Police Division).

WATER ANALYSES.—Fifty-two samples of water have been analysed during the year to ascertain their fitness for drinking and domestic use ; 41 were certified “ fit,” 6 “ unsafe or doubtful,” and 5 “ unfit.”

DISPENSED MEDICINES.—Ten samples have been analysed for the Lancashire Insurance Committee, of which 6 were correct and 4 incorrect.

DISTRICT HEALTH REPORTS FOR 1925.—The Ministry of Health, by Circular 540, dated 18th December, 1924, intimated that it is proposed that the Annual Report of a District Medical Officer of Health for 1925 should be a “ Survey Report ” of the character indicated in paragraphs 3, 4, and 7 of the Ministry’s Circular 269, December, 1921.

A Circular specifying in fuller detail the information which the Medical Officer of Health should include in his Report for 1925 will be issued by the Ministry in due course, but as a preliminary it may be stated that the 1925 Report should deal comprehensively with—

(a) The measure of progress made in the area during the preceding five years in the improvement of the public health ;

(b) The extent and character of the changes made during that period in the public health services of the area (*e.g.*, housing, water supply, sewerage, scavenging

or refuse disposal, food inspection, or other services affecting the environment of the inhabitants; and maternity and child welfare schemes, schemes for the treatment of tuberculosis and venereal diseases, provision of isolation hospitals, or other services directed to the prevention or cure of disease in individuals;

(c) Any further action of importance in the organisation or development of public health services contemplated by the Local Authority or considered desirable by the Medical Officer of Health.

Circular 540, above mentioned, intimates that the local Reports should be completed and sent to the appropriate Authorities *not later than the middle of April*. Many district Reports did not come to hand until August.

SPECIAL REPORTS.—Special reports received in 1924 by the County Public Health Department from Local Medical Officers numbered 213, of which 152 referred to school closures on account of the prevalence of infectious disease.

PAYMENTS TOWARDS SALARIES OF PUBLIC HEALTH OFFICERS.—From the Exchequer Contribution Account payments towards the salaries of public health officials are made by the County Council, under Section 24 of the Local Government Act, 1888, to the Councils of 19 boroughs, 83 urban districts, 19 rural districts, and two port sanitary districts. The total payments during the financial year ended March 31st, 1925, amounted to £22,245 9s. 3d., of which £8,735 6s. 2d. was in respect of Medical Officers of Health, and £14,510 3s. 1d. for Sanitary Inspectors.

I conclude my report for the year 1924 by expressing my thanks to the district Medical Officers of Health and the local Sanitary Staffs for statistics and information supplied to the County Public Health Department during the year, and for the courtesy and cordial assistance I have invariably received.

Yours obediently,

J. J. BUTTERWORTH,
County Medical Officer of Health.

Public Health Department,
County Offices, Preston,
August, 1925.

ADMINISTRATIVE COUNTY OF LANCASTER.

BIRTH AND DEATH RATES
OF THE
BOROUGH, URBAN AND RURAL DISTRICTS
FOR THE YEAR 1924,
COMPARED WITH THE RATES FOR THE YEAR 1923, AND WITH
THE MEAN OF THE 10 YEARS 1914-1923.

BOROUGH AND URBAN DISTRICTS.

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Abram.—				
Population, 6,930.				
<i>Mean of 10 years</i>				
1914-1923	23.3	13.9	0.83	123
1923.....	14.8	12.0	0.85	153
1924.....	17.8	10.2	1.01	88
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—5.5	—3.7	+0.18	—35
Previous Year	+3.0	—1.8	+0.16	—65
Accrington (Borough).—				
Population, 43,860.				
<i>Mean of 10 years</i>				
1914-1923	15.8	13.8	0.84	95
1923.....	14.2	12.3	0.76	58
1924.....	13.4	13.9	0.61	76
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.4	+0.1	—0.23	—19
Previous Year	—0.8	+1.6	—0.15	+18
Adlington.—				
Population, 4,552.				
<i>Mean of 10 years</i>				
1914-1923	20.5	12.5	0.73	81
1923.....	20.0	13.9	0.22	54
1924.....	17.7	8.7	nil.	74
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.8	—3.8	—0.73	—7
Previous Year	—2.3	—5.2	—0.22	+20

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Ashton-in-Makerfield.—				
Population, 23,750.				
<i>Mean of 10 years</i>				
1914-1923	25.3	13.6	0.72	106
1923.....	22.0	10.3	0.85	71
1924.....	20.6	11.4	0.63	83
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—4.7	—2.2	—0.09	—23
Previous Year	—1.4	+1.1	—0.22	+12

Ashton-under-Lyne (Borough).—

Population, 44,040.

<i>Mean of 10 years</i>				
1914-1923	19.7	16.4	1.19	121
1923.....	17.7	14.3	0.83	81
1924.....	17.6	13.2	0.68	77
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.1	—3.2	—0.51	—44
Previous Year	—0.1	—1.1	—0.15	—4

Aspull.—

Population, 8,205.

<i>Mean of 10 years</i>				
1914-1923	25.8	15.5	0.68	114
1923.....	22.8	10.3	0.12	58
1924.....	21.0	14.6	0.36	127
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—4.8	—0.9	—0.32	+13
Previous Year	—1.8	+4.3	+0.24	+69

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Atherton.—				
Population, 20,470.				
<i>Mean of 10 years</i>				
1914-1923	21.4	13.0	0.82	105
1923.....	17.3	11.8	0.68	101
1924.....	17.0	10.9	0.92	60
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—4.4	—2.1	+0.10	—45
Previous Year	—0.3	—0.9	+0.24	—41
Audenshaw.—				
Population, 8,222.				
<i>Mean of 10 years</i>				
1914-1923	18.3	13.3	0.66	108
1923.....	18.2	12.6	0.97	100
1924.....	14.8	11.7	nil.	114
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—3.5	—1.6	—0.66	+6
Previous Year	—3.4	—0.9	—0.97	+14
Bacup (Borough).—				
Population, 21,290.				
<i>Mean of 10 years</i>				
1914-1923	17.0	15.8	0.81	101
1923.....	16.9	13.0	0.69	79
1924.....	17.2	15.4	0.46	84
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	+0.2	—0.4	—0.35	—17
Previous Year	+0.3	+2.4	—0.23	+5

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Barrowford.—				
Population, 5,639.				
<i>Mean of 10 years</i>				
1914-1923	15.4	13.0	0.60	91
1923.....	16.3	11.7	1.05	118
1924.....	11.1	16.1	0.70	126
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—4.3	+3.1	+0.10	+35
Previous Year	—5.2	+4.4	—0.35	+8
Billinge.—				
Population, 5,263.				
<i>Mean of 10 years</i>				
1914-1923	21.6	14.1	0.89	107
1923.....	17.7	11.8	0.19	139
1924.....	16.1	13.3	0.57	176
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—5.5	—0.8	—0.32	+69
Previous Year	—1.6	+1.5	+0.38	+37
Blackrod.—				
Population, 3,988.				
<i>Mean of 10 years</i>				
1914-1923	21.5	13.8	0.60	104
1923.....	18.5	13.7	0.50	108
1924.....	21.3	10.5	0.50	35
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0.2	—3.3	—0.10	—69
Previous Year	+2.8	—3.2	nil.	—73

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Brierfield.—				
Population, 8,354.				
<i>Mean of 10 years</i>				
1914-1923	15.2	12.9	0.97	86
1923.....	14.1	10.8	0.47	92
1924.....	10.1	12.6	0.71	176
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—5.1	—0.3	—0.26	+90
Previous Year	—4.0	+1.8	+0.24	+84
Carnforth.—				
Population, 3,280.				
<i>Mean of 10 years</i>				
1914-1923	21.6	12.5	0.48	68
1923.....	21.5	13.5	0.30	114
1924.....	22.2	10.3	1.21	109
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	+0.6	—2.2	+0.73	+41
Previous Year	+0.7	—3.2	+0.91	—5
Chadderton.—				
Population, 29,160.				
<i>Mean of 10 years</i>				
1914-1923	18.9	14.6	0.92	101
1923.....	17.0	13.7	0.54	110
1924.....	15.1	10.5	0.68	79
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—3.8	—4.1	—0.24	—22
Previous Year	—1.9	—3.2	+0.14	—31

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Chorley (Borough).—				
Population, 31,490.				
<i>Mean of 10 years</i>				
1914-1923	19.3	14.1	0.81	112
1923.....	18.3	12.3	0.67	92
1924.....	17.4	12.7	0.50	104
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.9	—1.4	—0.31	—8
Previous Year	—0.9	+0.4	—0.17	+12
Church.—				
Population, 6,866.				
<i>Mean of 10 years</i>				
1914-1923	18.5	14.5	0.79	106
1923.....	17.5	12.6	0.14	74
1924.....	16.4	15.5	0.87	123
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.1	+1.0	+0.08	+17
Previous Year	—1.1	+2.9	+0.73	+49
Clayton-le-Moors.—				
Population, 8,740.				
<i>Mean of 10 years</i>				
1914-1923	18.5	13.9	0.66	114
1923.....	18.1	11.3	0.45	69
1924.....	16.5	12.9	0.91	96
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.0	—1.0	+0.25	—18
Previous Year	—1.6	+1.6	+0.46	+27

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Clitheroe (Borough).—				
Population, 12,410.				
<i>Mean of 10 years</i>				
1914-1923	15.5	13.3	0.86	87
1923.....	13.2	12.6	0.48	79
1924.....	13.2	12.3	0.80	103
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.3	—1.0	—0.06	+16
Previous Year	nil.	—0.3	+0.32	+24
 Colne (Borough).—				
Population, 25,380.				
<i>Mean of 10 years</i>				
1914-1923	15.2	13.3	0.96	112
1923.....	15.2	12.7	1.10	111
1924.....	14.2	12.5	0.74	105
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.0	—0.8	—0.22	—7
Previous Year	—1.0	—0.2	—0.36	—6
 Crompton.—				
Population, 15,370.				
<i>Mean of 10 years</i>				
1914-1923	18.0	14.8	0.97	111
1923.....	16.2	12.9	0.71	92
1924.....	15.5	12.9	0.91	108
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.5	—1.9	—0.06	—3
Previous Year	—0.7	nil.	+0.20	+16

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Croston.—				
Population, 1,952.				
<i>Mean of 10 years</i>				
1914-1923	15.9	12.7	0.21	49
1923.....	15.9	18.4	nil.	125
1924.....	14.8	13.3	0.51	34
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.1	+0.6	+0.30	—15
Previous Year	—1.1	—5.1	+0.51	—91
Dalton-in-Furness.—				
Population, 12,240.				
<i>Mean of 10 years</i>				
1914-1923	23.8	15.3	1.35	100
1923.....	19.5	13.9	1.52	86
1924.....	16.7	10.4	0.98	53
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—7.1	—4.9	—0.37	—47
Previous Year	—2.8	—3.5	—0.54	—33
Darwen (Borough).—				
Population, 39,060.				
<i>Mean of 10 years</i>				
1914-1923	15.5	14.5	0.68	92
1923.....	15.4	13.5	0.56	78
1924.....	16.2	14.9	0.53	67
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	+0.7	+0.4	—0.15	—25
Previous Year	+0.8	+1.4	—0.03	—11

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	

Denton.—

Population, 17,900.

Mean of 10 years

1914-1923	17.7	13.1	0.87	95
1923.....	17.3	12.0	0.94	80
1924.....	14.6	11.8	0.61	114

*Increase or Decrease**in 1924 on—*

Ten Years' Average	—3.1	—1.3	—0.26	+19
Previous Year	—2.7	—0.2	—0.33	+34

Droylsden.—

Population, 14,060.

Mean of 10 years

1914-1923	20.7	13.7	1.14	92
1923.....	20.7	13.1	0.63	108
1924.....	18.6	13.1	1.06	80

*Increase or Decrease**in 1924 on—*

Ten Years' Average	—2.1	—0.6	—0.08	—12
Previous Year	—2.1	nil.	+0.43	—28

Eccles (Borough).—

Population, 46,020.

Mean of 10 years

1914-1923	18.4	13.1	1.10	84
1923.....	17.4	10.8	0.94	53
1924.....	16.7	11.8	0.78	91

*Increase or Decrease**in 1924 on—*

Ten Years' Average	—1.7	—1.3	—0.32	+7
Previous Year	—0.7	+1.0	—0.16	+38

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Failsworth.—				
Population, 17,220.				
<i>Mean of 10 years</i>				
1914-1923	19.6	13.4	1.13	95
1923.....	17.4	12.0	1.33	106
1924.....	15.0	10.9	0.81	53
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—4.6	—2.5	—0.32	—42
Previous Year	—2.4	—1.1	—0.52	—53
Farnworth.—				
Population, 28,930.				
<i>Mean of 10 years</i>				
1914-1923	20.0	14.8	1.02	110
1923.....	17.8	12.0	0.79	69
1924.....	17.6	11.7	0.72	103
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.4	—3.1	—0.30	—7
Previous Year	—0.2	—0.3	—0.07	+34
Fleetwood.—				
Population, 20,340.				
<i>Mean of 10 years</i>				
1914-1923	22.1	12.5	0.94	92
1923.....	22.0	9.5	0.70	66
1924.....	22.7	11.6	0.93	66
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	+0.6	—0.9	—0.01	—26
Previous Year	+0.7	+2.1	+0.23	nil.

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Formby.—				
Population, 6,611.				
<i>Mean of 10 years</i>				
1914-1923	14.7	12.3	0.93	39
1923.....	14.4	9.9	0.79	nil.
1924.....	13.9	9.0	0.45	43
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—0.8	—3.3	—0.48	+4
<i>Previous Year</i>	—0.5	—0.9	—0.34	+43

Fulwood.—

Population ... { For Birth-rate 6,740.
 { For Death-rate 6,140.

<i>Mean of 10 years</i>				
1914-1923	11.9	15.4	0.63	63
1923.....	9.2	14.9	0.99	63
1924.....	8.7	15.6	0.32	50
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—3.2	+0.2	—0.31	—13
<i>Previous Year</i>	—0.5	+0.7	—0.67	—13

Golborne.—

Population, 7,598.

<i>Mean of 10 years</i>				
1914-1923	25.7	14.0	0.86	102
1923.....	21.1	9.6	0.92	62
1924.....	21.4	10.9	0.52	49
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—4.3	—3.1	—0.34	—53
<i>Previous Year</i>	+0.3	+1.3	—0.40	—13

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Grange-over-Sands.—				
Population, 2,047.				
<i>Mean of 10 years</i>				
1914-1923	9·7	14·0	0·77	39
1923.....	8·9	17·9	0·49	nil.
1924.....	9·2	11·2	0·48	nil.
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0·5	—2·8	—0·29	—39
Previous Year	+0·3	—6·7	—0·01	nil.
Great Crosby.—				
Population, 13,860.				
<i>Mean of 10 years</i>				
1914-1923	17·2	10·8	0·72	72
1923.....	14·8	10·0	0·80	68
1924.....	13·7	11·1	0·64	73
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—3·5	+0·3	—0·08	+1
Previous Year	—1·1	+1·1	—0·16	+5
Great Harwood.—				
Population, 13,890.				
<i>Mean of 10 years</i>				
1914-1923	16·5	12·3	0·62	89
1923.....	15·6	13·9	0·57	87
1924.....	14·8	12·5	0·64	87
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1·7	+0·2	+0·02	—2
Previous Year	—0·8	—1·4	+0·07	nil.

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Haslingden (Borough).—				
Population, 17,580.				
<i>Mean of 10 years</i>				
1914-1923	14.2	14.4	0.79	91
1923.....	13.7	15.9	0.67	90
1924.....	11.8	13.8	0.45	86
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.4	—0.6	—0.34	—5
Previous Year	—1.9	—2.1	—0.22	—4
Haydock.—				
Population, 11,060.				
<i>Mean of 10 years</i>				
1914-1923	28.7	14.0	0.83	109
1923.....	24.6	9.5	0.36	81
1924.....	25.7	10.9	1.08	91
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—3.0	—3.1	+0.25	—18
Previous Year	+1.1	+1.4	+0.72	+10
Heysham.—				
Population, 4,226.				
<i>Mean of 10 years</i>				
1914-1923	12.0	14.8	0.65	49
1923.....	12.6	12.6	0.25	40
1924.....	11.1	17.2	0.23	42
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0.9	+2.4	—0.42	—7
Previous Year	—1.5	+4.6	—0.02	+2

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Heywood (Borough).—				
Population, 26,990.				
<i>Mean of 10 years</i>				
1914-1923	18.2	16.7	1.08	113
1923.....	16.8	16.5	1.25	103
1924.....	16.7	14.8	0.62	77
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.5	—1.9	—0.46	—36
Previous Year	—0.1	—1.7	—0.63	—26
Hindley.—				
Population, 24,850.				
<i>Mean of 10 years</i>				
1914-1923	24.2	15.5	0.76	124
1923.....	19.1	15.1	0.73	144
1924.....	19.1	12.1	0.72	86
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—5.1	—3.4	—0.04	—38
Previous Year	nil.	—3.0	—0.01	—58
Horwich.—				
Population, 16,060.				
<i>Mean of 10 years</i>				
1914-1923	17.5	11.8	0.79	78
1923.....	16.4	9.9	0.43	53
1924.....	15.9	11.0	0.62	82
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.6	—0.8	—0.17	+4
Previous Year	—0.5	+1.1	+0.19	+29

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	

Hurst.—

Population, 8,245.

Mean of 10 years

1914-1923	20.1	14.7	1.10	97
1923.....	14.5	13.9	0.72	115
1924.....	15.0	13.4	0.60	153

*Increase or Decrease**in 1924 on—*

Ten Years' Average	—5.1	—1.3	—0.50	+56
Previous Year	+0.5	—0.5	—0.12	+38

Huyton-with-Roby.—

Population, 5,315.

Mean of 10 years

1914-1923	17.5	12.8	0.71	76
1923.....	14.4	8.6	0.57	26
1924.....	15.0	8.8	0.56	112

*Increase or Decrease**in 1924 on—*

Ten Years' Average	—2.5	—4.0	—0.15	+36
Previous Year	+0.6	+0.2	—0.01	+86

Ince-in-Makerfield.—

Population, 24,530.

Mean of 10 years

1914-1923	28.0	16.2	0.91	123
1923.....	22.9	12.7	0.83	108
1924.....	23.0	14.8	0.89	151

*Increase or Decrease**in 1924 on—*

Ten Years' Average	—5.0	—1.4	—0.02	+28
Previous Year	+0.1	+2.1	+0.06	+43

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Irlam.—				
Population, 11,800.				
<i>Mean of 10 years</i>				
1914-1923	24·2	11·1	0·56	87
1923.....	24·7	8·8	0·35	67
1924.....	24·1	8·8	0·67	28
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—0·1	—2·3	+0·11	—59
<i>Previous Year</i>	—0·6	nil.	+0·32	—39
Kearsley.—				
Population, 10,360.				
<i>Mean of 10 years</i>				
1914-1923	20·7	14·2	0·75	117
1923.....	18·9	14·4	1·08	88
1924.....	18·8	12·2	0·86	82
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—1·9	—2·0	+0·11	—35
<i>Previous Year</i>	—0·1	—2·2	—0·22	—6
Kirkham.—				
Population, 3,803.				
<i>Mean of 10 years</i>				
1914-1923	19·1	16·0	1·16	99
1923.....	22·4	13·2	0·26	46
1924.....	19·4	17·6	1·57	94
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	+0·3	+1·6	+0·41	—5
<i>Previous Year</i>	—3·0	+4·4	+1·31	+48

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Lancaster (Borough).—				
Population ...	{ For Birth-rate 40,780. For Death-rate 40,580.			
<i>Mean of 10 years</i>				
1914-1923	18.4	14.1	1.26	98
1923.....	17.2	12.1	1.07	83
1924.....	15.6	13.9	0.86	70
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.8	—0.2	—0.40	—28
Previous Year	—1.6	+1.8	—0.21	—13
Lathom and Burscough.—				
Population, 7,697.				
<i>Mean of 10 years</i>				
1914-1923	20.6	13.8	0.63	95
1923.....	20.6	11.1	0.52	94
1924.....	16.3	10.5	0.51	78
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—4.3	—3.3	—0.12	—17
Previous Year	—4.3	—0.6	—0.01	—16
Lees.—				
Population, 4,853.				
<i>Mean of 10 years</i>				
1914-1923	18.8	16.8	0.63	117
1923.....	16.7	15.1	0.20	146
1924.....	15.8	12.3	1.03	51
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—3.0	—4.5	+0.40	—66
Previous Year	—0.9	—2.8	+0.83	—95

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Leigh (Borough).—				
Population, 46,960.				
<i>Mean of 10 years</i>				
1914-1923	22.3	15.2	1.16	117
1923.....	18.2	12.1	0.91	85
1924.....	17.6	12.1	0.76	84
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—4.7	—3.1	—0.40	— 33
Previous Year	—0.6	nil.	—0.15	— 1
Leyland.—				
Population, 9,297.				
<i>Mean of 10 years</i>				
1914-1923	17.3	13.2	0.70	85
1923.....	17.0	13.5	0.65	82
1924.....	16.0	11.0	0.64	73
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.3	—2.2	—0.06	— 12
Previous Year	—1.0	—2.5	—0.01	— 9
Litherland.—				
Population, 17,320.				
<i>Mean of 10 years</i>				
1914-1923	27.4	14.4	1.28	97
1923.....	22.8	10.4	0.87	82
1924.....	21.2	12.9	1.03	86
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—6.2	—1.5	—0.25	—11
Previous Year	—1.6	+2.5	+0.16	+4

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Littleborough.—				
Population, 11,640.				
<i>Mean of 10 years</i>				
1914-1923	16.2	15.6	0.76	98
1923.....	16.2	15.7	0.94	105
1924.....	16.1	13.8	0.34	101
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—0.1	—1.8	—0.42	+3
<i>Previous Year</i>	—0.1	—1.9	—0.60	—4
Little Crosby.—				
Population, 1,226.				
<i>Mean of 10 years</i>				
1914-1923	19.1	9.8	0.76	46
1923.....	16.4	5.1	nil.	nil.
1924.....	10.6	8.9	nil.	nil.
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—8.5	—0.9	—0.76	—46
<i>Previous Year</i>	—5.8	+3.8	nil.	nil.
Little Hulton.—				
Population, 8,172.				
<i>Mean of 10 years</i>				
1914-1923	20.6	12.7	0.72	96
1923.....	16.8	11.0	0.48	115
1924.....	16.6	11.8	0.48	80
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—4.0	—0.9	—0.24	—16
<i>Previous Year</i>	—0.2	+0.8	nil.	—35

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Little Lever.—				
Population, 5,110.				
<i>Mean of 10 years</i>				
1914-1923	17.6	15.6	0.76	129
1923.....	16.0	17.4	0.59	271
1924.....	14.6	9.7	nil.	80
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—3.0	—5.9	—0.76	—49
Previous Year	—1.4	—7.7	—0.59	—191
Longridge.—				
Population, 4,301.				
<i>Mean of 10 years</i>				
1914-1923	17.2	14.7	0.94	126
1923.....	16.8	11.1	0.92	95
1924.....	17.9	15.1	0.69	77
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	+0.7	+0.4	—0.25	—49
Previous Year	+1.1	+4.0	—0.23	—18
Lytham Saint Anne's (Borough).—				
Population, 21,600.				
<i>Mean of 10 years</i>				
1914-1923	11.8	13.0	0.56	56
1923.....	11.5	12.4	0.38	45
1924.....	11.6	13.9	0.41	63
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0.2	+0.9	—0.15	+7
Previous Year	+0.1	+1.5	+0.03	+18

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Middleton (Borough).—				
Population, 28,790.				
<i>Mean of 10 years</i>				
1914-1923	16·8	14·2	1·05	87
1923.....	14·7	12·3	0·65	72
1924.....	15·2	12·6	0·65	54
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1·6	—1·6	—0·40	—33
Previous Year	+0·5	+0·3	nil.	—18
 Milnrow.—				
Population, 8,670.				
<i>Mean of 10 years</i>				
1914-1923	15·5	16·0	0·94	110
1923.....	16·1	11·5	0·35	50
1924.....	13·2	13·9	0·34	113
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2·3	—2·1	—0·60	+3
Previous Year	—2·9	+2·4	—0·01	+63
 Morecambe (Borough).—				
Population, 14,140.				
<i>Mean of 10 years</i>				
1914-1923	13·5	15·2	0·75	71
1923.....	13·3	16·6	1·07	64
1924.....	13·7	16·1	0·77	87
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	+0·2	+0·9	+0·02	+16
Previous Year	+0·4	—0·5	—0·30	+23

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Mossley (Borough).—				
Population, 12,630.				
<i>Mean of 10 years</i>				
1914-1923	17.4	15.0	0.89	85
1923.....	16.3	14.4	1.00	85
1924.....	13.9	12.5	0.71	73
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—3.5	—2.5	—0.18	—12
<i>Previous Year</i>	—2.4	—1.9	—0.29	—12
 Nelson (Borough).—				
Population, 40,220.				
<i>Mean of 10 years</i>				
1914-1923	13.4	11.6	0.66	93
1923.....	14.2	11.1	0.47	76
1924.....	11.9	13.3	0.59	72
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—1.5	+1.7	—0.07	—21
<i>Previous Year</i>	—2.3	+2.2	+0.12	—4
 Newton-in-Makerfield.—				
Population, 19,840.				
<i>Mean of 10 years</i>				
1914-1923	22.2	12.5	0.88	92
1923.....	20.3	10.4	0.56	90
1924.....	20.2	11.7	0.85	79
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—2.0	—0.8	—0.03	—13
<i>Previous Year</i>	—0.1	+1.3	+0.29	—11

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Norden.—				
Population, 4,185.				
<i>Mean of 10 years</i>				
1914-1923	15.7	13.9	0.67	94
1923.....	15.8	14.4	nil.	45
1924.....	13.1	12.1	0.71	36
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.6	—1.8	+0.04	—58
Previous Year	—2.7	—2.3	+0.71	—9
Ormskirk.—				
Population, 7,575.				
<i>Mean of 10 years</i>				
1914-1923	20.3	15.5	1.20	80
1923.....	17.2	13.3	0.66	30
1924.....	20.7	15.3	0.79	63
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	+0.4	—0.2	—0.41	—17
Previous Year	+3.5	+2.0	+0.13	+33
Orrell.—				
Population, 7,126.				
<i>Mean of 10 years</i>				
1914-1923	22.5	13.1	0.69	113
1923.....	20.1	12.7	0.85	112
1924.....	17.5	12.0	0.70	128
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—5.0	—1.1	+0.01	+15
Previous Year	—2.6	—0.7	—0.15	+16

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Oswaldtwistle.—				
Population, 15,310.				
<i>Mean of 10 years</i>				
1914-1923	18·4	13·9	0·72	101
1923.....	18·4	13·0	0·32	74
1924.....	17·2	14·6	0·39	90
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1·2	+0·7	—0·33	—11
Previous Year	—1·2	+1·6	+0·07	+16
Padiham.—				
Population, 12,550.				
<i>Mean of 10 years</i>				
1914-1923	17·6	14·4	0·97	105
1923.....	15·8	11·7	0·94	79
1924.....	15·8	15·2	0·39	115
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1·8	+0·8	—0·58	+10
Previous Year	nil.	+3·5	—0·55	+36
Poulton-le-Fylde.—				
Population, 2,803.				
<i>Mean of 10 years</i>				
1914-1923	16·6	14·9	0·66	74
1923.....	17·4	14·5	nil.	83
1924.....	17·4	17·4	nil.	61
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	+0·8	+2·5	—0·66	—13
Previous Year	nil.	+2·9	nil.	—22

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Preesall.—				
Population, 1,788.				
<i>Mean of 10 years</i>				
1914-1923	17.1	11.6	0.60	56
1923.....	21.3	12.6	0.57	54
1924.....	16.7	15.1	0.55	nil.
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0.4	+3.5	—0.05	—56
Previous Year	—4.6	+2.5	—0.02	—54
Prescot.—				
Population, 9,830.				
<i>Mean of 10 years</i>				
1914-1923	24.1	14.6	1.04	95
1923.....	21.2	10.4	0.93	39
1924.....	18.5	10.4	0.91	109
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—5.6	—4.2	—0.13	+14
Previous Year	—2.7	nil.	—0.02	+70
Prestwich.—				
Population, 19,450.				
<i>Mean of 10 years</i>				
1914-1923	15.4	11.7	0.93	62
1923.....	14.3	9.8	0.78	36
1924.....	13.7	8.3	0.35	37
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.7	—3.4	—0.58	—25
Previous Year	—0.6	—1.5	—0.43	+1

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Radeliffe.—				
Population, 25,290.				
<i>Mean of 10 years</i>				
1914-1923	16.9	14.9	0.84	106
1923.....	16.5	13.6	0.63	74
1924.....	15.4	14.1	0.47	102
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.5	—0.8	—0.37	—4
Previous Year	—1.1	+0.5	—0.16	+28
Rainford.—				
Population, 3,705.				
<i>Mean of 10 years</i>				
1914-1923	22.6	12.1	0.24	67
1923.....	19.4	10.9	nil.	115
1924.....	19.4	12.9	0.80	83
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—3.2	+0.8	+0.56	+16
Previous Year	nil.	+2.0	+0.80	—32
Ramsbottom.—				
Population, 15,230.				
<i>Mean of 10 years</i>				
1914-1923	14.9	14.1	0.82	85
1923.....	13.7	13.0	0.45	51
1924.....	15.3	13.5	0.65	72
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	+0.4	—0.6	—0.17	—13
Previous Year	+1.6	+0.5	+0.20	+21

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Rawtenstall (Borough).—				
Population, 29,200.				
<i>Mean of 10 years</i>				
1914-1923	16.5	14.1	0.76	87
1923.....	17.4	13.5	0.51	75
1924.....	16.4	14.5	0.78	104
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0.1	+0.4	+0.02	+17
Previous Year	—1.0	+1.0	+0.27	+29
Rishton.—				
Population, 7,147.				
<i>Mean of 10 years</i>				
1914-1923	15.5	11.9	0.62	73
1923.....	14.1	11.2	0.42	79
1924.....	13.8	14.5	0.55	60
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.7	+2.6	—0.07	—13
Previous Year	—0.3	+3.3	+0.13	—19
Royton.—				
Population, 17,640.				
<i>Mean of 10 years</i>				
1914-1923	18.7	15.4	0.89	113
1923.....	16.1	14.3	0.62	104
1924.....	16.4	13.1	0.79	89
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.3	—2.3	—0.10	—24
Previous Year	+0.3	—1.2	+0.17	—15

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Skelmersdale.—				
Population, 7,019.				
<i>Mean of 10 years</i>				
1914-1923	25.0	14.3	0.75	115
1923.....	19.4	10.2	0.43	133
1924.....	16.2	9.2	0.56	52
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—8.8	—5.1	—0.19	—63
Previous Year	—3.2	—1.0	+0.13	—81
Standish-with-Langtree.—				
Population, 7,657.				
<i>Mean of 10 years</i>				
1914-1923	21.7	13.6	0.67	119
1923.....	20.6	11.2	0.66	96
1924.....	18.9	14.1	0.65	117
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.8	+0.5	—0.02	—2
Previous Year	—1.7	+2.9	—0.01	+21
Stretford.—				
Population, 48,670.				
<i>Mean of 10 years</i>				
1914-1923	15.8	11.8	0.91	67
1923.....	16.7	12.1	0.68	75
1924.....	15.0	12.3	0.98	66
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0.8	+0.5	+0.07	—1
Previous Year	—1.7	+0.2	+0.30	—9

	PER 1,000 OF POPULATION.			Rate of Deaths under year to 1,000 Births.
	Birth- rate.	Death- rate.	Death-rate from Tuberculosis of Respiratory System.	
Swinton and Pendlebury.—				
Population, 32,660.				
<i>Mean of 10 years</i>				
1914-1923	19·4	13·4	1·01	109
1923.....	17·0	12·3	0·90	104
1924.....	15·8	12·4	0·73	121
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—3·6	—1·0	—0·28	+12
Previous Year	—1·2	+0·1	—0·17	+17
Thornton.—				
Population, 5,910.				
<i>Mean of 10 years</i>				
1914-1923	18·2	12·5	0·87	74
1923.....	19·8	13·2	1·09	64
1924.....	17·2	11·5	0·33	49
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1·0	—1·0	—0·54	—25
Previous Year	—2·6	—1·7	—0·76	—15
Tottington.—				
Population, 6,883.				
<i>Mean of 10 years</i>				
1914-1923	14·0	13·6	1·00	87
1923.....	14·2	11·1	0·29	92
1924.....	13·8	15·2	0·87	73
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0·2	+1·6	—0·13	—14
Previous Year	—0·4	+4·1	+0·58	—19

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Trawden.—				
Population, 2,727.				
<i>Mean of 10 years</i>				
1914-1923	15.7	12.5	0.72	86
1923.....	14.0	16.5	0.72	76
1924.....	11.3	13.2	0.36	129
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—4.4	+0.7	—0.36	+43
Previous Year	—2.7	—3.3	—0.36	+53
Turton.—				
Population, 12,290.				
<i>Mean of 10 years</i>				
1914-1923	13.9	13.2	0.71	75
1923.....	14.7	11.2	0.48	38
1924.....	15.0	9.8	0.48	43
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	+1.1	—3.4	—0.23	—32
Previous Year	+0.3	—1.4	nil.	+5
Tyldesley-with-Shakerley.—				
Population, 16,180.				
<i>Mean of 10 years</i>				
1914-1923	23.0	14.3	0.90	101
1923.....	19.0	13.0	0.49	90
1924.....	18.7	10.6	0.61	75
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—4.3	—3.7	—0.29	—26
Previous Year	—0.3	—2.4	+0.12	—15

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Ulverston.—				
Population, 9,992.				
<i>Mean of 10 years</i>				
1914-1923	20·4	14·3	0·64	84
1923.....	16·4	13·0	0·59	66
1924.....	16·4	13·2	1·10	48
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—4·0	—1·1	+0·46	—36
Previous Year	nil.	+0·2	+0·51	—18
Upholland.—				
Population, 5,599.				
<i>Mean of 10 years</i>				
1914-1923	24·2	13·5	0·88	85
1923.....	22·5	10·5	0·35	87
1924.....	20·3	9·8	0·17	78
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—3·9	—3·7	—0·71	—7
Previous Year	—2·2	—0·7	—0·18	—9
Urmston.—				
Population, 8,383.				
<i>Mean of 10 years</i>				
1914-1923	16·2	10·7	0·84	48
1923.....	15·7	9·8	0·59	37
1924.....	15·9	10·0	0·23	59
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0·3	—0·7	—0·61	+11
Previous Year	+0·2	+0·2	—0·36	+22

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Walton-le-Dale.—				
Population, 12,220.				
<i>Mean of 10 years</i>				
1914-1923	17.5	13.3	0.79	89
1923.....	17.3	11.4	0.48	60
1924.....	16.3	13.8	0.98	70
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.2	+0.5	+0.19	—19
Previous Year	—1.0	+2.4	+0.50	+10
Wardle.—				
Population, 4,571.				
<i>Mean of 10 years</i>				
1914-1923	14.9	18.4	1.27	103
1923.....	17.4	13.0	0.44	75
1924.....	14.4	12.6	0.43	75
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0.5	—5.8	—0.84	—28
Previous Year	—3.0	—0.4	—0.01	nil.
Waterloo-with-Seaforth.—				
Population ... { For Birth-rate 30,220. For Death-rate 30,020.				
<i>Mean of 10 years</i>				
1914-1923	20.3	13.9	1.00	85
1923.....	19.1	12.0	0.86	83
1924.....	19.0	10.1	1.16	59
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.3	—3.8	+0.16	—26
Previous Year	—0.1	—1.9	+0.30	—24

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Westhoughton.—				
Population, 16,600.				
<i>Mean of 10 years</i>				
1914-1923	21·5	13·3	0·59	109
1923.....	18·3	12·3	0·86	103
1924.....	18·3	11·8	0·12	82
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—3·2	—1·5	—0·47	—27
Previous Year	nil.	—0·5	—0·74	—21
 Whitefield.—				
Population, 7,179.				
<i>Mean of 10 years</i>				
1914-1923	16·5	13·5	0·68	96
1923.....	15·7	12·9	0·56	98
1924.....	14·6	11·5	1·53	28
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1·9	—2·0	+0·85	—68
Previous Year	—1·1	—1·4	+0·97	—70
 Whitworth.—				
Population, 8,801.				
<i>Mean of 10 years</i>				
1914-1923	15·7	17·4	1·24	104
1923.....	15·4	16·0	0·90	102
1924.....	15·4	13·7	0·79	66
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0·3	—3·7	—0·45	—38
Previous Year	nil.	—2·3	—0·11	—36

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Widnes (Borough).—				
Population, 41,890.				
<i>Mean of 10 years</i>				
1914-1923	27·3	16·2	1·21	103
1923.....	25·3	11·1	0·78	68
1924.....	22·8	13·2	1·00	106
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—4·5	—3·0	—0·21	+3
Previous Year	—2·5	+2·1	+0·22	+38
Withnell.—				
Population, 3,498.				
<i>Mean of 10 years</i>				
1914-1923	16·4	12·4	0·78	67
1923.....	13·8	12·1	1·15	104
1924.....	15·4	9·4	0·28	74
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1·0	—3·0	—0·56	+7
Previous Year	+1·6	—2·7	—0·87	—30
Worsley.—				
Population, 14,430.				
<i>Mean of 10 years</i>				
1914-1923	16·0	12·5	0·54	92
1923.....	13·5	11·3	0·41	61
1924.....	14·7	12·9	0·83	79
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1·3	+0·4	+0·29	—13
Previous Year	+1·2	+1·6	+0·42	+18

RURAL DISTRICTS.

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Barton-upon-Irwell.—				
Population, 10,090.				
<i>Mean of 10 years</i>				
1914-1923	17·6	12·0	0·97	59
1923.....	13·7	11·3	0·69	57
1924.....	13·2	12·2	0·69	67
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—4·4	+0·2	—0·28	+8
Previous Year	—0·5	+0·9	nil.	+10
Blackburn.—				
Population, 10,330.				
<i>Mean of 10 years</i>				
1914-1923	16·7	13·0	0·66	77
1923.....	16·1	10·3	0·79	67
1924.....	14·5	11·7	0·38	73
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2·2	—1·3	—0·28	—4
Previous Year	—1·6	+1·4	—0·41	+6
Burnley.—				
Population, 19,520.				
<i>Mean of 10 years</i>				
1914-1923	15·3	13·1	0·65	84
1923.....	14·7	11·7	0·46	62
1924.....	13·6	13·6	0·71	101
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1·7	+0·5	+0·06	+17
Previous Year	—1·1	+1·9	+0·25	+39

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Bury.—				
Population, 9,725.				
<i>Mean of 10 years</i>				
1914-1923	16.4	14.1	0.79	88
1923.....	15.2	11.6	1.03	68
1924.....	14.7	12.7	0.61	97
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—1.7	—1.4	—0.18	+9
<i>Previous Year</i>	—0.5	+1.1	—0.42	+29
 Chorley.—				
Population, 22,510.				
<i>Mean of 10 years</i>				
1914-1923	18.8	13.0	0.62	101
1923.....	17.7	12.5	0.31	82
1924.....	17.1	12.1	0.66	64
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—1.7	—0.9	+0.04	—37
<i>Previous Year</i>	—0.6	—0.4	+0.35	—18
 Clitheroe.—				
Population, 6,906.				
<i>Mean of 10 years</i>				
1914-1923	15.6	13.0	0.62	67
1923.....	15.0	14.3	0.87	58
1924.....	16.0	10.1	0.43	45
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	+0.4	—2.9	—0.19	—22
<i>Previous Year</i>	+1.0	—4.2	—0.44	—13

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Fylde.—				
Population, 13,160.				
<i>Mean of 10 years</i>				
1914-1923	18.5	12.8	0.52	87
1923.....	16.9	11.6	0.54	68
1924.....	17.0	11.3	0.37	80
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.5	—1.5	—0.15	—7
Previous Year	+0.1	—0.3	—0.17	+12
Garstang.—				
Population, 11,150.				
<i>Mean of 10 years</i>				
1914-1923	17.9	13.0	0.47	72
1923.....	18.4	12.0	0.27	79
1924.....	17.7	10.4	0.26	25
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0.2	—2.6	—0.21	—47
Previous Year	—0.7	—1.6	—0.01	—54
Lancaster.—				
Population, 9,252.				
<i>Mean of 10 years</i>				
1914-1923	18.1	14.2	0.60	81
1923.....	17.4	13.3	0.53	36
1924.....	18.6	16.5	0.54	92
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	+0.5	+2.3	—0.06	+11
Previous Year	+1.2	+3.2	+0.01	+56

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Leigh.—				
Population, 11,560.				
<i>Mean of 10 years</i>				
1914-1923	22.4	13.3	0.53	100
1923.....	19.1	11.2	0.61	78
1924.....	18.5	11.2	0.60	65
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—3.9	—2.1	+0.07	— 35
<i>Previous Year</i>	—0.6	nil.	—0.01	— 13

Limehurst.—

Population ...	{ For Birth-rate 9,471. For Death-rate 9,271.			
<i>Mean of 10 years</i>				
1914-1923	19.2	14.6	0.96	100
1923.....	18.7	12.4	0.85	78
1924.....	16.9	11.9	0.75	99
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.3	—2.7	—0.21	—1
Previous Year	—1.8	—0.5	—0.10	+21

Lunesdale.—

Population, 6,469.				
<i>Mean of 10 years</i>				
1914-1923	16.7	12.2	0.51	75
1923.....	18.5	11.5	0.92	82
1924.....	16.2	10.3	0.15	28
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—0.5	—1.9	—0.36	—47
Previous Year	—2.3	—1.2	—0.77	—54

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Preston.—				
Population, 24,000.				
<i>Mean of 10 years</i>				
1914-1923	16.8	12.7	0.74	75
1923.....	15.9	10.1	0.72	67
1924.....	13.9	9.6	0.33	56
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.9	—3.1	—0.41	—19
Previous Year	—2.0	—0.5	—0.39	—11
Sefton.—				
Population, 4,513.				
<i>Mean of 10 years</i>				
1914-1923	16.4	12.3	1.04	73
1923.....	14.5	9.3	1.08	44
1924.....	14.8	15.2	0.88	164
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.6	+2.9	—0.16	+91
Previous Year	+0.3	+5.9	—0.20	+120
Ulverston.—				
Population, 17,580.				
<i>Mean of 10 years</i>				
1914-1923	18.8	13.6	0.68	67
1923.....	15.8	13.1	0.38	56
1924.....	16.4	12.5	0.68	48
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.4	—1.1	nil.	—19
Previous Year	+0.6	—0.6	+0.30	—8

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Warrington.—				
Population, 12,830.				
<i>Mean of 10 years</i>				
1914-1923	20.3	12.1	0.84	87
1923.....	18.6	9.1	0.63	85
1924.....	17.7	10.6	0.62	57
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—2.6	—1.5	—0.22	—30
Previous Year	—0.9	+1.5	—0.01	—28
West Lancashire.—				
Population, 22,010.				
<i>Mean of 10 years</i>				
1914-1923	18.2	12.7	0.65	73
1923.....	15.0	11.7	0.59	58
1924.....	16.4	11.9	0.45	58
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—1.8	—0.8	—0.20	—15
Previous Year	+1.4	+0.2	—0.14	nil.
Whiston.—				
Population, 20,570.				
<i>Mean of 10 years</i>				
1914-1923	21.2	13.2	0.96	83
1923.....	16.2	9.5	0.64	36
1924.....	15.8	10.0	0.68	73
<i>Increase or Decrease in 1924 on—</i>				
Ten Years' Average	—5.4	—3.2	—0.28	—10
Previous Year	—0.4	+0.5	+0.04	+37

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Wigan.—				
Population, 6,354.				
<i>Mean of 10 years</i>				
1914-1923	18·8	13·0	0·68	108
1923.....	16·0	10·9	0·15	138
1924.....	16·5	13·5	0·47	66
<i>Increase or Decrease in 1924 on—</i>				
<i>Ten Years' Average</i>	—2·3	+0·5	—0·21	—42
<i>Previous Year</i>	+0·5	+2·6	+0·32	—72

ADMINISTRATIVE COUNTY.

	PER 1,000 OF POPULATION.			Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Death-rate from Tuberculosis of Respiratory System.	
Aggregate of County Urban Districts.—				
Population ...	{ For Birth-rate 1,536,000. For Death-rate 1,535,000.			
Mean of 10 years				
1914-1923	18.86	14.07	0.89	98
1923.....	17.42	12.44	0.72	82
1924.....	16.62	12.66	0.70	84
Increase or Decrease in 1924 on—				
Ten Years' Average	—2.24	—1.41	—0.19	—14
Previous Year	—0.80	+0.22	—0.02	+2
Aggregate of County Rural Districts.—				
Population ...	{ For Birth-rate 248,000. For Death-rate 247,800.			
Mean of 10 years				
1914-1923	18.29	13.13	0.71	82
1923.....	16.48	11.45	0.59	67
1924.....	16.05	11.77	0.54	68
Increase or Decrease in 1924 on—				
Ten Years' Average	—2.24	—1.36	—0.17	—14
Previous Year	—0.43	+0.32	—0.05	+1
Administrative County.				
Population ...	{ For Birth-rate 1,784,000. For Death-rate 1,782,800.			
Mean of 10 years				
1914-1923	18.84	13.94	0.87	96
1923.....	17.29	12.30	0.70	80
1924.....	16.54	12.53	0.68	81
Increase or Decrease in 1924 on—				
Ten Years' Average	—2.30	—1.41	—0.19	—15
Previous Year	—0.75	+0.23	—0.02	+1

*EXTRACT FROM THE METEOROLOGICAL REPORT

BY THE

REV. A. L. CORTIE, S.J., D.Sc., F.R.A.S., F. Inst. P.,
F.R.Met.S.,*Of Stonyhurst College Observatory.*SUMMARY OF OBSERVATIONS
FOR 1924.

Results of Observations taken during the Year.					Mean for the last 77 years.
<i>Readings of Barometer in inches.</i>					
Mean of the year	...	...	...	29.454	29.493
Highest Monthly Mean (February)	...	...	...	29.620	29.742
Lowest " " (August)	...	...	...	29.351	29.226
Highest Reading (February 16th)	...	...	...	30.182	30.290
Lowest " (December 27th)	...	...	...	28.470	28.209
Range	...	...	...	1.712	2.081
<i>Thermometer, Fahrenheit.</i>					
Highest Monthly Mean Temperature					
(July)	...	...	...	56.8	58.6
Lowest " " (Feb. & Mar.)	...	...	...	37.5	35.7
Highest Reading of a Max. Therm.					
(July 12th)	...	...	...	80.4	81.3
Lowest Reading of a Min. Therm.					
(March 3rd)	...	...	...	21.1	15.1
Range of Thermometer Readings	...	...	...	59.3	66.2
Mean of Highest Daily	...	...	...	52.6	54.4
Mean of Lowest Daily	...	...	...	42.2	41.0
Mean Daily Range	...	...	...	10.4	13.4
Deduced Mean Temperature (from mean					
of Max. and Min.)	...	...	...	46.4	46.7
Mean Temperature from Dry Bulb	...	...	...	47.5	47.1
Adopted Mean Temperature of the Year	...	...	...	47.0	47.0
Mean Temperature of Evaporation	...	...	...	44.9	44.6
Mean Temperature of Dew Point	...	...	...	42.6	42.1
Mean elastic force of Vapour	...	...	inches	0.281	0.274
Mean weight of Vapour in a cubic foot of					
air	...	...	...	grains	3.2
Mean additional weight required for					
saturation	...	...	...	grains	0.6
Mean degree of Humidity (saturation 100)	...	...	...	85	83

* Introduced by kind permission.

Results of Observations taken during the Year.		Mean for the last 77 years.
Mean weight of a cubic foot of air., grains	537.8	539.1
Mean amount of Cloud (0—10)	7.9	7.3
Total fall of Rain . ... ..inches	49.739	47.317
Greatest Monthly Rainfall (August),,	7.533	7.591
Least " " (Feb.) ,,	1.405	1.245
Greatest Rainfall in one day (August 20th) ,,	1.996	1.634
No. of days per Month on which .005 inch or more Rain fell	20.2	17.2

SUMMARY OF WIND.

Prevailing direction	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
No. of days for each	24	34	45	6	53	56	131	17
Mean Velocity in miles per hour ...	5.6	5.4	8.0	10.1	10.3	10.3	9.2	8.4
Total No. of miles for each direction .	3242	4437	5652	1548	13053	13837	28970	3427
							Mean for the last 57 years.	
Total No. of miles registered	77166						85373.7	
Greatest Monthly Total (December) ...	8730						9940.9	
Least " " (March)	4097						4945.8	
Greatest hourly velocity (Dec. 27th) ...	47						50.4	
Prevailing Direction of Wind	W							



R 6/66.

