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**Contributors**

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# WITH DR. COATES' COMPLIMENTS.

Bleak House, Patrington,  
January, 1905.

To the District Council of Patrington.

I present my ninth annual report dealing with the health of this district for the year ending December 31st, 1904.

The population of the district is estimated at 6,998. The number of births has been 163. Out of this 7 were illegitimate, a proportion of 1 in 23.28, compared with 1 in 13.8 in 1903, 1 in 15.9 in 1902, and 1 in 14.1 in 1901. This is a marked improvement. The total number of males born in 1904 was 88, and the number of females 75. The birth-rate of 1904 is 23.29 per 1,000, compared with 27.76 in 1903, and 25.02 in 1902. The average for the last ten years is 23.44, and for England and Wales 28.5. The births took place as follows:—

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.
Males	11	25	19	33
Females	14	21	22	18

Ninety children were vaccinated out of these births. During the past year 106 persons have died, viz., 50 males and 56 females. This is at the rate of 15.14 per 1,000, compared with 13.39 in 1903, 13.15 in 1902, and 14.22 the average for the past ten years.

This is very favourable if compared with the rest of England, the average death-rate of the 76 large towns being 17.3. The average death-rate of Hull for the past 30 years is 19.4. The average age at death of this district is for males 48.4 years, and for females 43.91 years. The average age of all deaths is 46 years 13.7 days, compared with 44 years 2 months in 1903. The average duration of life in England is 45 years 3 months. The healthiest European nations are Sweden and Norway, where the average life is 50 years. The unhealthiest are Prussia with 39 years, Bavaria with 36 years, and Spain with 32 years.

The relative number of deaths at the various ages come out at:—

Under 1 year	19
Average per 1,000	110.42
Average for England and Wales	150
Average for East Riding	118
Average for E.R. rural districts	114
Average for 10 years	125.58
Average for E. R. 7 years (1896-1902)	123
Over 1 year and under 5 years	5
Over 5 years and under 15 years	3
Over 15 years and under 25 years	6
Over 25 years and under 65 years	27
Over 65 years	46

Seven inquests have been held during 1904, 3 from natural causes, 3 from accidents, and 1 suicide. One death was returned uncertified, at Thorgumbald; and one person not belonging to the district was washed ashore.

The following have been the chief causes of death:—Measles, 4; epidemic influenza, 1; diarrhoea, 1; phthisis, 15; other tubercular diseases, 4; cancer, 7; bronchitis, 12; pneumonia, 4; premature birth, 7; heart diseases, 22; accidents, 3; suicide, 1; and all other causes, 30. No deaths took place in Halsham, Hilston, Outnewton, Owstwick, Owthorne, or Waxholme during 1904, but 1 person died in the Hull Royal Infirmary from Waxholme. The deaths took place as follows:—

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.
Males	13	18	12	9
Females	11	17	7	19

Following my general rule, I append a table showing at a glance (1) the births, (2) the deaths, (3) the average death-rate, (4) the average birth-rate, and (5) the average age at death in the following parishes:—

	Births.	Deaths.	Death rate per 1,000.	Birth rate per 1,000.	Average age at death.
Burton Pidsea	6	8	16.80	12.60	52.50
Easington	8	2	7.04	28.16	42.64
Fradingham	10	4	11.11	27.77	49.41
Halsham	4	1	14.28	57.14	0.05
Hilston	2	0	0	9.09	0
Hollym	1	0	0	35.71	0
Hollym	6	2	9.38	28.16	58.5
Holmpton	2	7	41.17	11.76	39.28
Keyingham	11	2	3.65	20.10	49
Kilnsea	4	1	7.69	30.76	0.75
Ottringham	11	7	15.09	23.70	27.5
Outnewton	1	0	0	27.77	0
Owstwick	3	0	0	37.50	0
Owthorne	0	0	0	0	0
Patrington	26	23	21.69	24.52	48.69
Patrington Union	0	8	18.18	0	75
Paul	14	4	7.06	24.73	70
Rimswell	5	1	7.24	36.23	0.25
Roos	9	11	25.34	20.73	59.46
Ryehall	6	6	27.27	27.27	33.33
Skeffling	2	1	7.24	14.49	60
Sunk Island	6	3	8.24	16.48	74.66
Thorgumbald	5	8	29.44	18.38	34.3
Tunstall	4	1	9.80	39.21	.06
Waxholme	0	0	0	0	0
Welwick	10	5	17.85	35.71	32.58
Winstead	7	1	6.41	44.87	18

Compared with this, the following table shows the average for the past ten years, 1895-1904:—

	Avge Pop.	Avge Births.	Avge Deaths.	Avge Under One Year.
Burton Pidsea	454.2	13.6	6.5	1.3
Burton Pidsea	328.7	7.6	3.5	1.1
Easington	375.4	10.6	5.4	1.2
Fradingham	67.9	2.3	0	0
Halsham	234.8	4.3	3.1	.4
Hilston	35.1	.2	.4	0
Hollym	251.2	5.6	2.5	.6
Holmpton	190.1	3.1	2.1	.4
Keyingham	567.7	13.2	9.8	2.7
Kilnsea	152.6	3.9	2.5	.8
Ottringham	498.4	10.4	7.2	1.7
Outnewton	40.7	.8	.3	0
Owstwick	86.3	2.4	.4	0
Owthorne	90.7	2.0	.9	.2
Patrington	1,118.4	22.2	17.6	3.2
Patrington Union	48.8	2.5	6.4	.2
Paul	554.4	16.9	7.2	2.0
Rimswell	126.0	4.6	1.7	.5
Roos	475.8	10.1	6.4	.8
Ryehall	248.7	5.9	2.9	.7
Skeffling	136.7	3.2	2.2	.3
Sunk Island	422.4	8.2	2.7	.9
Thorgumbald	284.8	8.2	4.3	.7
Tunstall	114.1	2.0	.6	.1
Waxholme	67.3	1.8	1.2	.1
Welwick	304.8	6.9	4.9	1.0
Winstead	147.0	3.5	1.7	0

The number of inhabited houses in the district is 1,622; the average number of people per house is 4.31; for the whole of the East Riding 4.5. The acreage is 61,420 for this district; the density of the population is one person to 8.7 acres, compared with 7.7 the East Riding rural average, and five acres the entire Riding average.

The infantile mortality is slightly less this year, but 3 of the illegitimate children have died out of the 7 born—a much too high rate.

Only 21 cases of notifiable infectious diseases have been notified to me during 1904, viz., diphtheria 5, erysipelas 9, scarlet fever 5, enteric fever 2. These were spread over ten parishes. Death resulted in one case of measles; the percentage of mortality is .04 per 1,000, a very gratifying condition compared with the rest of the country, and a great improvement on past years, for in 1903 65 cases were notified, in 1902 61, and in 1901 40, the average being 55.5. The diphtheritic cases were sporadic, and the water could not be blamed for the enteric cases.

During the year, however, a great number of children have had whooping cough, measles, and chicken-pox. 133 cases have been notified to me by teachers, and in consequence Thorgumbald school was closed for 28 days, Paul for 14 days, and Patrington school was closed a few days before the holidays. The principle of exclusion of scholars and all children from infected houses has been carried out largely this year, and if prompt action was always taken to notify

cases it might be unnecessary to close schools. The special exclusion of scholars is preferable to closure of the schools.

Apthrax has been notified as existing during March in Patrington parish; during July in Keyingham; and during September in Ottringham.

No means of isolation exists in this district for cases of scarlet fever or small-pox, i.e., in the form of special buildings.

The question of providing free anti-diphtheritic serum is one many Councils have considered, and might with advantage be adopted by your Council. It is not a great expense, and it is advocated by the County Council.

The cancer rate this year is still very high, 1 in 15.14 of the deaths compared with 1 in 13.2 last year and 1 in 14 in 1903. The rate for Great Britain is 1 in 30.

The average age of death from cancer in this district is 58 years for males and 73 years for females; the average for both sexes is 71 years compared with 66 years last year.

The average age of death amongst heart cases is 65 years.

The lung diseases—i.e., bronchitis, pleurisy, pneumonia, and phthisis—averaged 39 years 10 months each. Consumption in this district has been very high this year; 13 cases as compared with 5 last year.

Government inspectors have visited this district during November to inquire into the water supply of this district, presumably in connection with the Withernsea district. With the exception of Sunk Island, where the conditions are such that no local supply can be obtained, the district is well supplied with water; if not of the best potable quality, yet of fair condition. If more care was exercised in the disposal of sewage matter—that is, if quantities of manure were not allowed to accumulate in close proximity to wells—there would be less cause to grumble at the waters. In nearly every case of water contaminated with sewage matter, examined during the past ten years, there has been gross carelessness in allowing the manure to be in near relationship to the water.

Fourteen nuisances were complained of during 1904, and 44 nuisances were inspected in addition. It was not necessary to proceed by summons in any case.

One well water was analysed, and found good.

Nine workshops are registered under the Factory and Workshop Act. They have been periodically inspected, and found in good sanitary condition. I have not received any complaints about them.

Thirty-four cowsheds are registered, and have been duly examined. No defects have been found.

On and after April 1st no person will be allowed to act as a midwife at all, or to call herself so, unless she shall be properly qualified, and also registered by the local authority. Such certificate of registration must be renewed every January. The penalty for practising without is 25.

Nothing has been attempted yet in the matter of flushing the drains of Patrington. The cost of doing this would not be great, and it would mean all the difference between safety and danger; at present the system is inefficient.

In spite of a decreasing birth-rate, this district is about the same in regard to population as last year, and if the high cancer-rate was excluded (it certainly does not attack early, as the average age is over 70), the area would be one of the healthiest in England. As it is, the death-rate is much lower than the rest of England, and the general health presumably higher than the average of the country.

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