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CORNWALL COUNTY COUNCIL.

Sanitary Committee.

ANNUAL REPORT,

VITAL STATISTICS

AND

METEOROLOGICAL SUMMARY

— For 1898. —

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1899.



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CORNWALL COUNTY COUNCIL.

Sanitary Committee.

REPORT, 1898.

VITAL STATISTICS.

Since 1892 no Annual Report has been prepared for various reasons. It is hoped, however, that in future an Annual Report will be regularly issued, and at an earlier date than the present one.

POPULATION.

The population of the whole County, according to the census of 1891, was 321,870. It is thought desirable for all practical purposes in calculating the various rates to adhere to this estimate without any correction whatever, notwithstanding that in some districts—notably Newquay for instance—the population has increased in the meantime. But on the other hand, it is doubtful whether the County's population on the whole has expanded, and, in the absence of any authoritative correction, it is deemed advisable to make no alteration.

BIRTHS.

During 1898 the registered births (4125 males, and 3887 females) numbered 8,012, giving a birth-rate of 24·89 per thousand. Dividing the County into Rural and Urban districts it will be seen by Table 1, that there were 4,833 births in the former, equal to a birth-rate of 24·70 per thousand, and 3,179 in the latter, equal to a birth-rate of 25·19 per thousand, which gives the advantage of 0·49 per thousand to the Urban portion.

The birth-rate in 1898 for England and Wales was 29·4 per thousand, and in 33 large towns 30·3 per thousand.

DEATHS.

The total number of deaths, from all causes, registered in 1898 was 5,551 (2763 males and 2888 females), giving a general death-rate of 17·55 per thousand. 3,181 deaths occurred in the Rural portion, equal to a death-rate of 16·25 per thousand, and 2,470 in the Urban, equal to a death-rate of 19·64 per thousand.

The death-rate in England and Wales in 1898 was 17·6 per thousand, and in 33 large towns 19·0.

ZYMOTIC DEATHS.

Deaths due to Zymotic diseases in 1898 numbered 436, equal to a death-rate for these diseases of 1·35 per thousand of the population, and included 9 from Scarlet fever, 33 from Diphtheria and Membranous Croup, 33 from Enteric fever, 2 from Continued fever, 39 from Measles, 159 from Whooping Cough, and 170 from Diarrhœa. In England and Wales the zymotic death-rate in 1898 was 2·22 per thousand, and in 33 large towns 2·85.

Of these 436 zymotic deaths the Rural districts contributed 185, equal to a death-rate of 0·95 per thousand, and the Urban 251, equal to a death-rate of 1·98 per thousand.

INFANTILE MORTALITY.

During 1898 there were 1,252 deaths of infants under 1 year, and thus comprised 22·10 per cent. of the whole deaths, and equal to a death-rate of 3·88 per thousand, and 156·24 per thousand births. The relative proportions of the Rural and Urban districts are as follows:—Rural, 635 deaths, giving a death-rate of 3·24 per thousand, 19·96 per cent. of the whole deaths, and 131·34 per thousand births; Urban, 617 deaths, giving a death-rate of 4·88 per thousand, 24·97 per cent. of the whole deaths, and 193·14 per thousand births. In 1898 the infantile mortality rate for England and Wales was 161 per thousand births, and for 33 large towns 178.

INFECTIOUS DISEASES.

Table 6 shows the number of new cases of Infectious sickness in each locality coming to the knowledge of the Medical Officer of Health during 1898. From which it will be seen that in the Rural districts were notified or ascertained 1 case of Smallpox, 314 cases of Scarletina, 105 cases of Diphtheria, 14 cases of Membranous Croup, 86 cases of Enteric or Typhoid fever, 4 cases of Continued fever, 2 cases of Puerperal fever, and 95 cases of Erysipelas.

In the Urban portion there were notified or ascertained 1 case of Smallpox, 219 cases of Scarlatina, 38 cases of Diphtheria, 2 cases of Membranous Croup, 133 cases of Enteric or Typhoid fever, 7 cases of Continued fever, 5 cases of Puerperal fever, and 68 cases of Erysipelas.

MEASLES.

Measles mortality during 1898 was very low. There were only 30 deaths—13 in the Rural and 17 in the Urban districts.

WHOOPING COUGH.

All through the year this disease was very prevalent, but not being notifiable, the number of cases is not known. Judging from the registered fatalities (159), 70 in the Rural districts and 89 in the Urban, the number of cases must have been very large, otherwise the per centage of deaths must have been high. The mortality rate for the year is 0·49 per thousand of the population.

DIARRHŒA.

Diarrhœa caused 170 deaths in 1898, equal to a mortality rate of 0·53 per thousand per annum of the population. This is a disease that principally affects young infants. Table 5 shows that no less than 156 deaths out of the total 170 were children under 5 years of age. And if a further analysis were made it would be found that the largest per centage of these 156 deaths were of infants under 1 year. There is much in the theory that a long dry summer, such as we had in 1898, when the temperature of the sub-soil is considerably raised, indirectly causes the prevalence of diarrrhœal diseases; but the main factor undoubtedly is to be found in improper feeding, neglect, and the rearing of infants on food other than maternal.

SCARLET FEVER or SCARLATINA.

Deaths during the year from Scarlatina numbered 26, equal to a rate of 0·02 per thousand of the population, and a ratio of nearly 5 per cent. of the cases notified. The Rural districts contributed 16 deaths, equal to a rate of 0·02 per thousand of the Rural population, and a ratio of 5·09 per cent. of the cases notified. The Urban districts contributed the remaining 10 deaths, which is equal to a rate of 0·03 per thousand of the Urban population, and a ratio of 4·56 per cent. of the cases notified.

DIPHTHERIA & MEMBRANOUS CROUP.

There were 33 deaths resulting from these combined diseases, equivalent to a death-rate of 0·10 per thousand of the population, and a ratio of 20·75 per cent. of the cases notified. The Rural proportion is 21 deaths, equal to a rate of 0·10 per thousand of its population, and a ratio of 10·07 per cent. of the cases notified; and the Urban contribution is 12 deaths, equal to a rate of 0·09 per thousand of its population, and a ratio of 30 per cent. of the cases notified. It will thus be seen that although these diseases were more prevalent in the Rural districts the ratio of fatalities was greater by 20 per cent. in the Urban portion.

ENTERIC or TYPHOID FEVER.

Enteric fever caused 33 deaths, and the death-rate is identical with that of Diphtheria and Membranous Croup, viz.—0·10 per thousand of the population. The ratio of deaths to the cases notified was 15·06 per cent. 20 deaths occurred in the Rural districts, equal to a rate of 0·10 per thousand of the Rural population, and a ratio of 23·25 per cent. to the cases notified, and 13 deaths in the Urban districts, equal to a similar rate of 0·10 per thousand of the Urban population, but the much smaller ratio of 9·77 per cent. to the cases notified.

INFLUENZA.

The 94 deaths shown in Table 3 under the head of Influenza is not correct by a long way. The figures are taken from the Medical Officers of Health Annual Reports, but in many instances, owing to no column being provided in the Register General's forms for deaths due to this disease, such deaths are perforce included in the column under the head of all other diseases and causes. The monthly returns of the Medical Officers of Health, on forms provided by this committee and in which a column is set out for Influenza, give no less than 214 deaths resulting from this disease during 1898, equal to a death-rate of 0·66 per thousand of the population. 179 deaths occurred in the first 3 months of the year, during which time the disease assumed the character of a severe epidemic. The following extract is taken from the Committee's Report for February, shewing the intense severity of the visitation:—"Cornwall is still in the grip of the Influenza epidemic. The disease has greatly developed since our last report, and nearly every district remains affected. The number of deaths directly due to it is returned as 110, 61 of which occurred in the Rural and 49 in the Urban portion. The origin of the disease seemed

to be involved in mystery, and is a problem well deserving the attention of the medical profession to unravel. No class of persons is exempt from its influence. It attacks the healthy and vigorous as well as the weak and delicate, and it is found where the best sanitary conditions obtain and the surroundings are all that can be desired, and it seems altogether to be uncontrolled by hygienic laws."

PHTHISIS.

Phthisis was responsible for 437 deaths during 1898, equal to a death-rate of 0·49 per thousand of the population. The rate for the Rural districts was 0·35 per thousand and for the Urban 0·70. It will thus be seen that country life has an advantage of 50 per cent. over town life in respect of this form of disease. In view of the importance just now given to the prevention of Tuberculosis in all its many forms, both in man and in cattle, it is sincerely desired that the information contained in the pamphlets sent out to the various Sanitary Authorities by this Committee will be disseminated as widely as possible, for undoubtedly such information together with the instructions and advice therein given, if acted upon, would considerably reduce the mortality rate of this clearly preventible disease.

CANCER.

During 1898 there were 103 deaths from Cancer (67 in the Rural districts and 36 in the Urban) equal to a death-rate of 0·32 per thousand of the population. The respective rates for the both divisions are : Rural, 0·34 per thousand ; Urban, 0·28.

INJURIES.

The number of deaths under the head of Injuries (on which presumably inquests were held) during 1898 was 150—111 in the Rural districts and 39 in the Urban. Thus it will be observed that about 2·65 per cent. of the total deaths formed the subject of legal inquiry. The per centage for the Rural portion was 3·46, and for the Urban 1·57.

METEOROLOGY.

The mean total rainfall for 1898 was 34·11 inches. The average for the 5 years ending December 31st was 40·05 inches. The Total rainfall registered at Greenwich was 18·85 inches. The highest amount of rainfall fell at Lanhydrock (42·57 inches), while that at Pentille Castle (42·49 inches) and Liskeard (42·11) inches is practically the same. The lowest rainfall was at the Scilly Isles (St. Mary's) 27·06

inches Mullion's total (22·20 inches) is only for two-thirds of the year. The wettest month was October, when 6·71 inches of rain fell, and the driest, July, when the rainfall just barely exceeded a half-an-inch. The mean greatest fall in one day was 1·55 inches, and occurred in October. The mean number of dries when 0·01 inches or more fell was 179.

Temperature. The mean temperature during 1898 for the whole county was 52·82 degrees. At Greenwich it was 51·6 degrees. The highest mean temperature occurred in July (62·54), and August (62·95), and the lowest in January (47·16). The mean daily range of temperature was 10·88, ranging from 14·07 in July to 7·42 in January. The absolute extremes of temperature ranged from 77·9 in August to 29·4 in February and March. The highest mean temperature for the year was at Cremyll (54·44 degrees), and the lowest at Launceston (48·72). The records for the Lizard Lights and Mullion, respectively 55·30 and 56·28, as will be seen by the foot note at end of Table, are not for the complete year—the former being the average for 11 months and the latter the average for 7 months.

Humidity. The mean relative humidity of the air was 81 per cent., and ranged from 88 in January to 75 in July.

Sunshine. From the seven stations at which records are made the total number of hours of bright sunshine for the year was 12,506, giving an average of 1,786 hours to each station. The highest accorded was at St. Mary's Scilly Isles (1,922 hours), and the lowest at Plymouth (1,701). Mullion's record (1,502 hours) is omitted from this comparison, as it was only for 8 months.

(Signed on behalf of the Committee),

JOHN R. de C. BOSCAWEN,

CHAIRMAN.

Truro, 12th Sept., 1899.

BIRTHS AND DEATHS, 1898.

Table No. 1.

No. of District in Report	SANITARY DISTRICT	Population, 1891	BIRTHS.			Birth-rate per 1,000	DEATHS.			Death-rate per 1,000	Natural Increase	Deaths under 1 year per 1,000 births	Zymotic death-rate per 1,000 of the population
			Male	Female	Total		Male	Female	Total				
RURAL													
1	Stratton ...	7,122	92	72	164	23·02	67	52	119	16·70	45	140·24	Nil
2	Launceston ...	8,937	116	76	192	21·48	52	42	94	10·51	98	93·75	0·447
3	Calstock ...	6,140	73	58	131	21·33	40	46	86	14·00	45	91·60	0·324
4	Boscastle ...	2,009	28	27	55	27·48	17	11	28	13·90	27	36·36	Nil
5	Camelford ...	4,897	81	58	139	28·38	35	41	76	15·51	63	100·77	Nil
6	Liskeard ...	20,063	254	209	463	23·07	137	142	279	13·90	184	131·74	1·046
7	St. Germans ...	15,080	215	189	404	26·79	134	96	230	15·25	174	101·48	1·326
8	Bodmin ...	11,346	139	145	284	25·03	72	76	148	13·04	136	98·59	0·352
9	St. Columb ...	11,233	157	128	285	25·37	95	76	171	15·22	114	122·80	1·065
10	St. Austell ...	27,218	443	406	849	31·19	203	229	432	15·86	417	110·71	0·404
11	Truro ...	22,557	239	237	476	21·10	199	209	408	18·08	68	136·55	1·108
12	Redruth ...	19,546	212	242	454	23·23	164	242	406	20·77	48	174·00	1·995
13	East Kerrier ...	8,510	108	92	200	23·50	84	95	179	21·03	21	160·00	1·762
14	Helston ...	18,919	221	242	463	23·94	165	175	340	17·97	123	172·18	1·162
15	West Penwith...	12,057	124	150	274	22·80	87	98	185	15·34	89	193·43	0·585
		195,634	2502	2331	4833	24·70	1551	1630	3181	16·25	1652	131·34	0·950
URBAN													
16	Launceston ...	4,345	48	38	86	19·79	31	32	63	14·49	23	116·27	0·460
17	Liskeard ...	3,984	50	49	99	24·87	47	34	81	20·33	18	101·01	0·501
18	Looe ...	2,401	20	18	38	11·86	15	18	33	10·30	5	23·68	2·154
19	Saltash ...	2,541	46	30	76	29·90	21	25	46	18·10	30	92·10	1·180
20	Bodmin ...	5,151	58	61	119	23·10	68	60	128	24·84	-9	27·52	0·580
21	Lostwithiel ...	1,496	19	20	39	26·06	7	11	18	12·03	21	102·56	2·673
22	Wadebridge †	1,800	17	19	36	30·00	8	7	15	12·50	21	83·33	0·832
23	Truro City ...	11,131	130	147	277	24·87	90	106	196	17·60	81	151·62	0·899
24	Penryn ...	3,256	35	42	77	23·64	30	29	59	18·12	18	168·83	0·307
25	Falmouth ...	12,215	142	143	285	23·33	132	121	253	20·71	32	168·41	2·210
26	Helston ...	3,198	43	37	80	25·01	34	44	78	24·39	2	212·50	2·501
27	St. Ives ...	6,094	106	94	200	32·81	69	63	132	21·66	68	215·00	0·328
28	Penzance ...	12,448	168	134	302	24·26	113	109	222	17·83	80	254·96	2·570
29	Padstow ...	1,503	21	18	39	25·94	8	14	22	14·63	17	59·28	1·988
30	Newquay ...	1,891	24	24	48	25·33	20	20	40	21·15	8	145·83	1·057
31	St. Austell ...	3,477	37	36	73	20·99	38	43	81	23·26	-8	246·57	0·287
32	Redruth ...	10,334	126	133	259	25·06	97	114	211	20·41	48	274·13	3·386
33	Camborne ...	14,700	187	186	373	25·37	166	182	348	23·67	25	300·26	4·761
34	Phillack ...	4,009	53	51	104	25·94	36	32	68	16·96	36	163·17	2·244
35	Hayle ...	1,142	12	13	25	21·89	7	14	21	18·38	4	200·00	5·341
36	Madron ...	2,810	50	48	98	34·87	44	54	98	34·87	Nil	265·30	1·779
37	Paul ...	5,961	101	88	189	31·70	57	44	101	16·94	88	121·69	1·677
38	Ludgvan ...	2,334	24	30	54	23·13	12	18	30	12·85	24	129·62	Nil
39	St. Just ...	6,119	78	76	154	25·16	48	51	99	16·17	55	201·29	0·326
40	Scilly Isles ...	1,896	28	21	49	25·84	14	13	27	14·24	22	265·30	3·691
		126,236	1623	1556	3179	25·19	1212	1258	2470	19·64	709	193·14	1·988
Rural		195,634	2502	2331	4833	24·70	1551	1630	3181	16·25	1652	131·34	0·950
Urban		126,236	1623	1556	3179	25·19	1212	1258	2470	19·64	709	193·14	1·988
County		321,870	4125	3887	8012	24·89	2763	2888	5651	17·55	2361	156·24	1·353

* For 9 months.

† For 8 months.

NOTE.—The following deaths in Workhouses, Infirmarys, Asylums, &c., and of persons dying within a district but not belonging thereto are included in above Table:—Launceston (Rural), 2; Calstock, 6; Camelford, 2; St. Columb, 12; Truro (Rural), 31; East Kerrier, 14; Launceston (Urban), 4; Liskeard (Urban), 15; Looe, 1; Saltash, 3; Bodmin (Urban), 71; Wadebridge, 1; Truro City, 6; Falmouth, 13; Helston (Urban), 12; Penzance, 13; Newquay, 6; St. Austell (Urban), 22; Madron, 10; Total 244.

MORTALITY FROM ALL CAUSES,

at subjoined Ages—1898.

Table No. 2.

No. of District in Report.	SANITARY DISTRICT.	Population, 1891	Deaths at all ages	Rate per 1,000	Under 1 Year.	Rate per 1,000	1 and under 5.	Rate per 1,000	5 and under 15.	Rate per 1,000	15 and under 25.	Rate per 1,000	25 and under 65	Rate per 1,000	65 and over.	Rate per 1,000
RURAL.																
1	Stratton	7,122	119	16.70	23	3.22	10	1.40	3	0.42	10	1.40	29	4.07	44	6.16
2	Launceston	8,937	94	10.51	18	2.02	3	0.33	3	0.33	2	0.22	26	2.90	42	4.69
3	Calstock	6,140	86	14.00	12	1.95	7	1.14	8	1.30	3	0.43	24	3.90	32	5.21
4	Bosccastle	2,009	28	13.90	2	0.98	1	0.49	1	0.49	1	0.49	8	3.97	15	7.46
5	Camelford	4,897	76	15.57	14	2.85	5	1.02	3	0.61	3	0.61	13	2.65	38	7.75
6	Liskeard	20,063	279	13.90	61	3.04	22	1.09	10	0.49	8	0.39	77	3.83	101	5.03
7	St. Germans	15,089	230	15.25	41	2.71	20	1.33	16	1.06	11	0.73	61	4.04	81	5.37
8	Bodmin	11,346	148	13.04	28	2.46	14	1.23	5	0.44	12	1.05	33	2.90	56	4.93
9	St. Columb	11,233	171	15.22	35	3.11	11	0.99	8	0.72	9	0.81	36	3.20	72	6.40
10	St. Austell	27,218	432	15.86	94	3.45	36	1.32	15	0.55	16	0.58	112	4.13	159	5.83
11	Truro	22,557	408	18.08	65	2.88	30	1.33	16	0.70	16	0.70	96	4.25	185	8.20
12	Redruth	19,546	406	20.77	79	4.04	40	2.04	10	0.51	15	0.76	122	6.24	140	7.16
13	East Kerrier	8,510	179	21.03	32	3.76	9	1.05	1	0.11	14	1.64	50	5.87	73	8.57
14	Helston	18,919	340	17.97	78	4.12	21	1.11	14	0.73	18	0.95	101	5.33	108	5.70
15	West Penwith	12,057	185	15.34	53	4.38	11	0.91	2	0.16	8	0.66	28	2.32	83	6.88
		195,634	3181	16.25	635	3.24	240	1.22	115	0.58	146	0.74	816	4.12	1229	6.28
URBAN.																
16	Launceston	4,345	63	14.49	10	2.30	3	0.69	1	0.23	6	1.38	28	6.44	15	3.45
17	Liskeard	3,984	81	20.33	10	2.51	6	1.50	3	0.75	3	0.75	18	4.51	41	10.28
18	Looe	2,401	33	10.30	9	2.80	3	0.93	...	...	1	0.31	10	3.12	10	3.12
19	Saltash	2,541	46	18.10	7	2.75	4	1.57	1	0.39	2	0.78	15	5.90	17	6.69
20	Bodmin	5,151	128	24.84	3	0.58	...	...	8	1.55	5	0.97	64	12.40	48	9.30
21	Lostwithiel	1,496	18	12.03	4	2.67	2	1.33	...	...	1	0.66	3	2.01	8	5.34
22	Wadebridge	1,800	15	12.50	3	2.50	...	...	1	0.83	1	0.83	4	3.33	6	5.00
23	Truro City	11,131	196	17.60	42	3.77	18	1.61	6	0.53	10	0.89	54	4.85	66	5.92
24	Penryn	3,256	59	18.12	13	3.99	2	0.61	...	...	6	1.84	20	6.14	18	5.52
25	Falmouth	12,215	253	20.71	48	3.92	30	2.45	10	0.81	22	1.80	78	6.38	65	5.32
26	Helston	3,198	78	24.39	17	5.31	7	2.18	1	0.31	4	1.24	15	4.69	34	10.63
27	St. Ives	5,094	132	21.66	43	7.07	17	2.78	1	0.16	1	0.16	23	3.77	47	2.79
28	Penzance	12,448	222	17.83	77	6.18	15	1.20	3	0.24	9	0.72	61	4.90	57	4.58
29	Padstow	1,503	22	14.63	2	1.32	...	...	1	0.66	...	...	5	3.32	14	9.32
30	Newquay	1,891	40	21.15	7	3.70	2	1.05	2	1.05	2	1.05	15	7.93	12	6.34
31	St. Austell	3,477	81	23.26	18	5.17	6	1.72	4	1.12	1	0.28	14	4.02	38	10.92
32	Redruth	10,334	211	20.41	71	6.87	23	2.22	4	0.38	13	1.25	53	5.12	47	4.54
33	Camborne	14,700	348	23.67	112	7.61	29	1.97	1	0.06	13	0.88	102	6.93	91	6.19
34	Phillack	4,009	68	16.96	17	4.24	9	2.24	6	1.44	2	0.48	11	2.74	23	5.73
35	Hayle	1,142	21	18.38	5	4.37	5	4.37	1	0.87	...	...	3	2.62	7	6.13
36	Madron	2,810	98	34.87	25	8.90	2	6.71	1	6.35	1	0.35	24	8.55	45	16.01
37	Paul	5,961	101	16.94	23	3.85	7	1.17	6	1.00	1	0.17	27	4.52	37	6.20
38	Ludgvan	2,334	30	12.85	7	2.99	2	0.85	...	...	...	...	8	3.42	13	5.56
39	St. Just	6,119	99	16.17	31	5.06	12	1.96	...	...	4	0.65	19	3.10	33	5.39
40	Scilly Isles	1,896	27	14.24	13	6.85	...	...	...	...	...	...	4	2.10	10	5.28
		126,236	2470	19.64	617	4.88	204	1.61	61	0.48	108	0.85	678	5.37	802	6.36
	Rural	195,634	3181	16.25	635	3.24	240	1.22	115	0.58	146	0.74	816	4.12	1229	6.28
	Urban	126,236	2470	19.64	617	4.88	204	1.61	61	0.48	108	0.85	678	5.37	802	6.36
	County	321,870	5651	17.55	1252	3.88	444	1.37	176	0.54	254	0.78	1494	4.64	2031	6.31

NOTE.—Deaths in Workhouses, Infirmarys, Asylums, &c. (244) are included in the above as per details at foot of preceding Table. This will account for the high death-rates in some districts—notably Bodmin Urban, which includes the County Asylum (59 deaths), Workhouse (8), Military Depôt, Hospital, and Prison (4)—altogether 71 deaths. Newquay's death-rate, by deducting the 6 deaths of visitors and taking the estimated population at 2,900, would be 14.7 per 1,000—just two-thirds of the rate with these factors included.

MORTALITY FROM SUBJOINED CAUSES.—1899.

Table No. 3

No. of District in Report	SANITARY DISTRICT.	Smallpox	Scarlet Fever	Diphtheria	Membranous Croup	Enteric or Typhoid	Continued Fever	Erysipelas	Measles.	Whooping Cough	Diarrhoea & Dysentery	Rheumatic Fever	Phthisis.	Bron., Pneu., & Pleur.	Heart Disease.	Influenza	Cancer.	Injuries.	All other diseases and causes	Total deaths.	Total Death-rate per 1,000 of the population	Zymotic Deaths.	Zymotic Death-rate per 1,000 of the population	
	RURAL.	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z													
1	Stratton	...	...	...	...	...	...	...	...	...	...	...	1	22	6	...	...	15	75	119	16.70	...	Nil	
2	Launceston	...	...	...	...	...	...	...	1	...	3	...	5	23	16	...	...	1	45	94	10.51	4	0.447	
3	Calstock	...	...	...	...	...	...	...	1	...	1	...	3	23	10	...	5	5	38	86	14.00	2	0.324	
4	Boscastle	...	...	...	...	...	...	...	...	...	...	...	2	2	5	1	...	2	16	28	13.90	...	Nil	
5	Camelford	...	...	...	...	...	...	...	...	...	...	...	3	8	1	...	...	6	58	76	15.51	...	Nil	
6	Liskeard	...	...	5	...	1	...	1	3	10	4	2	22	52	41	...	12	5	121	279	13.90	23	1.046	
7	St. Germans	...	...	2	...	...	...	1	5	8	6	3	16	35	19	...	10	15	110	230	15.25	21	1.326	
8	Bodmin	...	...	...	2	...	...	...	...	2	...	...	10	24	15	3	...	3	89	148	13.04	4	0.352	
9	St. Columb	...	...	5	...	...	...	...	...	1	6	2	11	33	11	...	10	12	80	171	15.22	12	1.068	
10	St. Austell	...	2	1	...	1	...	...	...	2	5	...	31	86	54	...	...	12	238	432	15.86	11	0.404	
11	Truro	...	1	...	5	...	...	...	2	11	6	1	31	54	37	...	17	3	240	408	18.08	25	1.108	
12	Redruth	...	1	2	2	7	...	1	...	17	10	...	33	76	26	8	...	10	213	406	20.77	39	1.995	
13	East Kerrier	...	...	...	...	4	...	...	...	6	5	...	15	17	14	7	...	16	95	179	21.03	15	1.762	
14	Helston	...	1	...	2	...	...	...	...	12	7	...	25	51	25	...	...	4	213	340	17.97	22	1.162	
15	West Penwith	...	...	1	1	...	...	...	1	1	3	1	21	16	14	...	13	2	111	185	15.34	7	0.585	
				5	16	5	20	...	3	13	70	56	9	229	522	294	19	67	111	1742	3181	16.25	185	0.950
	URBAN.																							
16	Launceston	...	...	...	...	...	...	...	...	...	2	1	12	12	8	...	4	1	23	63	14.49	2	0.460	
17	Liskeard	...	...	...	...	...	...	...	...	2	...	...	4	15	11	...	5	2	42	81	20.33	2	0.501	
18	Looe	...	...	...	...	...	...	...	6	...	1	...	4	1	4	...	...	...	17	33	10.30	7	2.154	
19	Saltash	...	...	...	...	...	...	...	...	...	3	...	4	5	3	...	...	2	29	46	18.10	3	1.180	
20	Bodmin	...	...	...	...	2	...	...	...	...	1	...	17	13	15	4	...	4	72	128	18.84	3	0.580	
21	Lostwithiel	...	...	...	...	...	...	...	...	2	2	...	2	3	2	...	...	...	7	18	12.03	4	2.673	
22	Wadebridge	...	...	...	...	...	...	...	...	...	1	...	1	1	1	...	...	...	11	15	12.50	1	0.832	
23	Truro City	...	...	...	1	...	...	4	2	3	1	8	34	20	6	...	5	112	196	17.60	10	0.899		
24	Penryn	...	...	...	...	...	...	...	...	1	...	...	7	10	3	2	...	1	35	59	18.12	1	0.307	
25	Falmouth	...	...	1	1	...	1	6	13	5	1	32	33	14	8	...	3	135	253	20.71	27	2.210		
26	Helston	...	...	...	...	...	...	...	9	...	...	...	8	8	3	14	...	...	36	78	18.12	8	0.307	
27	St. Ives	...	...	...	...	...	...	1	1	...	...	...	7	21	...	2	4	2	94	132	21.66	2	0.328	
28	Penzance	...	1	...	1	...	1	...	9	21	1	15	37	15	1	...	3	117	222	17.83	32	2.570		
29	Padstow	...	...	1	...	...	...	...	...	...	2	...	...	5	4	...	...	1	9	22	14.63	3	1.988	
30	Newquay	...	...	...	...	...	...	...	...	...	2	...	4	8	1	4	...	1	26	40	21.15	2	1.057	
31	St. Austell	...	1	...	...	...	2	...	...	...	1	6	16	6	...	...	...	1	48	81	23.86	1	0.287	
32	Redruth	...	...	...	...	...	...	...	...	12	23	...	10	27	12	5	...	...	122	211	20.41	35	3.386	
33	Camborne	...	1	1	1	8	...	24	35	...	33	...	47	22	18	...	8	150	348	23.67	70	4.761		
34	Phillack	...	...	4	1	1	...	2	...	3	...	...	9	6	5	...	7	...	30	68	16.96	9	2.244	
35	Hayle	...	...	2	...	...	...	...	...	3	1	...	1	1	3	...	1	1	8	21	18.38	6	5.341	
36	Madron	...	...	...	...	...	...	...	...	1	3	...	4	20	16	6	4	2	42	98	34.87	4	1.779	
37	Paul	...	1	1	...	1	...	...	...	3	4	...	7	22	7	5	...	...	50	101	16.94	10	1.677	
38	Ludgvan	...	...	...	...	...	...	...	...	...	2	...	5	4	2	...	4	...	15	30	12.85	...	Nil	
39	St. Just	...	...	...	...	...	...	...	...	...	2	...	7	21	11	...	5	2	51	99	16.17	2	0.326	
40	Scilly Isles	...	...	...	...	...	...	...	...	4	3	...	1	...	1	...	2	...	16	27	14.24	7	3.691	
				4	10	2	13	2	6	17	89	114	5	208	370	189	75	36	39	1291	2470	19.64	251	1.988
	Rural	...	5	16	5	20	...	3	13	70	56	9	229	522	294	19	67	111	1742	3181	16.25	185	0.950	
	Urban	...	4	10	2	13	2	6	17	89	114	5	208	370	189	75	36	39	1291	2470	19.64	251	1.988	
	County	...	9	26	7	33	2	9	30	159	170	14	437	892	483	94	103	150	3033	5651	17.55	436	1.353	

NOTE.—Diseases marked Z at top of columns are counted at Zymotics. In addition to deaths from causes tabulated above there was 1 from Puerperal Fever in each of the following districts:—Helston (Rural), Falmouth, and Helston (Urban). These are included in the column "All other diseases and causes."

MORTALITY RATES

Per 1,000 of the population in all Tabulated Diseases.—1898.

Table No. 4.

No. of District in Report.	SANITARY DISTRICT.	Smallpox	Scarlet Fever	Diphtheria	Membranous Croup	Enteric or Typhoid	Continued Fever	Erysipelas.	Measles.	Whooping Cough.	Diarrhoea & Dysentery	Rheumatic Fever	Phthisis.	Bron., Pneu., & Pleur.	Heart Disease	Influenza	Cancer	Injuries	All other causes
	RURAL.	Z	Z	Z	Z	Z	Z		Z	Z	Z								
1	Stratton	...	...	...	...	...	...	...	...	...	...	...	0.14	3.08	0.84	...	...	2.10	10.53
2	Launceston	...	...	...	...	...	...	...	0.11	...	0.33	...	0.55	2.57	1.79	...	...	0.11	5.03
3	Calstock	...	...	...	...	...	...	...	0.16	...	0.16	...	0.48	3.74	1.62	...	0.81	0.81	6.18
4	Boscastle	...	...	...	...	...	...	...	...	...	...	...	0.98	0.98	2.48	0.49	...	0.98	7.95
5	Camelford	...	...	...	...	...	...	...	...	...	...	...	0.61	1.63	2.20	...	...	1.22	11.84
6	Liskeard	...	...	0.24	...	0.04	...	0.04	0.14	0.49	0.19	0.09	1.09	2.59	2.04	...	0.59	0.24	6.03
7	St. Germans	...	...	0.13	...	...	...	0.06	0.32	0.53	0.40	0.20	1.06	2.29	1.25	...	0.66	0.99	7.22
8	Bodmin	...	...	...	0.17	...	...	...	...	0.17	...	...	0.38	2.11	1.31	0.26	...	0.26	7.84
9	St. Columb	...	...	0.44	...	...	...	...	...	0.08	0.53	0.17	0.98	2.97	...	...	0.89	1.06	7.12
10	St. Austell	...	0.07	0.03	...	0.03	...	...	...	0.07	0.18	...	1.14	3.15	1.98	...	...	0.44	8.74
11	Truro	...	0.04	...	...	0.22	...	...	0.09	0.49	0.29	0.04	1.37	2.39	1.64	...	0.70	0.14	10.64
12	Redruth	...	0.05	0.10	0.10	0.34	...	0.05	...	0.34	0.51	...	1.68	3.88	1.33	...	...	0.40	10.89
13	East Kerrier	...	...	...	...	0.47	...	...	...	0.70	0.58	...	1.76	1.99	1.61	0.82	...	1.88	11.16
14	Helston	...	0.05	...	...	0.10	...	...	...	0.63	0.37	...	1.31	2.69	1.31	...	...	0.21	11.21
15	West Penwith	...	...	0.08	0.08	...	...	...	0.08	0.08	0.24	0.08	1.74	1.32	1.16	...	1.08	0.16	9.20
		...	0.02	0.08	0.02	0.10	...	0.01	0.06	0.35	0.28	0.04	1.16	2.77	1.50	0.09	0.34	0.56	8.90
	URBAN.																		
16	Launceston	...	...	...	...	...	...	...	...	0.46	0.23	2.76	2.76	1.84	...	0.92	0.23	5.27	
17	Liskeard	...	...	...	...	...	...	...	...	0.50	...	1.00	3.76	2.76	...	1.25	0.50	10.54	
18	Looe	...	...	...	...	...	...	...	1.86	...	0.31	...	1.24	0.31	1.24	...	...	...	5.26
19	Saltash	...	...	...	...	...	...	...	...	1.18	...	...	1.57	1.96	1.18	...	...	0.78	11.39
20	Bodmin	...	...	...	...	...	0.39	...	...	0.19	...	...	3.30	2.52	...	0.78	...	0.78	13.95
21	Lostwithiel	...	...	...	...	...	...	...	...	1.33	1.33	...	1.33	2.01	1.33	...	...	...	4.68
22	Wadebridge	...	...	...	...	...	...	...	...	0.83	...	...	0.83	0.83	0.83	...	...	...	9.16
23	Truro City	...	...	...	...	0.08	...	...	0.35	0.17	0.26	0.08	0.71	3.05	1.79	0.53	...	0.44	10.06
24	Penryn	...	...	...	...	...	...	...	...	0.30	...	...	2.14	3.07	0.92	0.61	...	0.30	10.74
25	Falmouth	...	...	0.08	...	0.08	...	0.08	0.49	1.06	0.40	0.08	2.61	2.70	1.14	0.65	...	0.24	11.05
26	Helston	...	...	...	...	...	...	...	...	2.81	...	...	2.49	2.49	0.93	4.38	...	...	11.25
27	St. Ives	...	...	...	...	...	...	...	0.16	0.16	...	...	1.14	3.44	...	0.32	0.65	0.32	15.42
28	Penzance	...	0.08	...	...	0.08	...	0.08	...	0.72	1.68	0.08	1.20	2.99	1.20	0.08	...	0.24	9.39
29	Padstow	...	...	0.66	...	...	...	...	...	...	1.32	...	...	3.32	2.66	...	...	0.66	5.98
30	Newquay	...	...	...	...	...	...	...	...	...	1.05	...	...	4.23	0.52	2.11	...	0.52	10.57
31	St. Austell	...	0.28	...	...	...	...	0.57	...	...	...	0.28	1.72	4.60	1.72	...	...	0.28	13.80
32	Redruth	...	...	...	...	...	...	...	...	1.16	2.22	...	0.96	2.61	1.16	0.48	...	...	11.80
33	Camborne	...	0.06	0.06	0.06	0.54	...	...	...	1.61	2.38	...	2.24	3.19	1.49	1.22	...	0.54	10.20
34	Phillack	...	...	0.99	0.24	0.24	...	0.48	...	0.74	...	...	2.24	1.48	1.22	...	1.74	...	7.48
35	Hayle	...	...	1.74	...	...	...	...	...	2.62	0.87	...	0.87	0.87	2.62	...	0.87	0.87	7.00
36	Madron	...	...	...	...	...	...	...	...	0.35	1.06	...	1.41	7.11	5.69	2.13	1.41	0.71	14.94
37	Paul	...	0.17	0.17	...	0.17	...	...	...	0.50	0.67	...	1.17	3.69	1.17	0.83	...	...	8.38
38	Ludgvan	...	...	...	...	...	...	...	...	...	...	...	2.14	1.71	0.85	...	1.71	...	6.42
39	St. Just	...	...	...	...	...	...	...	...	...	0.32	...	1.14	3.43	1.80	...	0.82	0.32	8.33
40	Scilly Isles	...	...	...	...	...	...	...	...	2.10	1.58	...	0.52	...	0.52	...	1.05	...	8.43
		...	0.03	0.08	0.01	0.10	0.01	0.04	0.13	0.70	0.90	0.04	1.64	2.93	1.49	0.59	0.28	0.30	10.22
	Rural	...	0.02	0.08	0.02	0.10	...	0.01	0.06	0.35	0.28	0.04	1.16	2.77	1.50	0.09	0.34	0.56	8.90
	Urban	...	0.03	0.08	0.01	0.10	0.01	0.04	0.13	0.70	0.90	0.04	1.64	2.93	1.49	0.59	0.28	0.30	10.22
	County	...	0.02	0.08	0.02	0.10	0.06	0.02	0.09	0.49	0.53	0.04	1.35	2.77	1.50	0.29	0.32	0.46	9.42

NOTE.—The total death-rate from all causes for the whole County was 17.55 per 1,000 of the population. The zymotic death-rate for the County was 1.353 per 1,000.

MORTALITY FROM SUBJOINED CAUSES

Distinguishing Deaths of Children under 5 years of age—1898.

Table No. 5.

No. of District in Report	SANITARY DISTRICT	1	2	3	4	5	6	7	8	9	10	11	12
		Small-pox	Scarlatina	Diphtheria	Membr. Group.	FEVERS.					Cholera	Erysipelas	Measles
						Typhus	Enteric or Typhoid	Continued	Relapsing	Puerperal			
		under 5 5 and over	under 5 5 and over	under 5 5 and over	under 5 5 and over	under 5 5 and over	under 5 5 and over	under 5 5 and over	under 5 5 and over	under 5 5 and over	under 5 5 and over	under 5 5 and over	under 5 5 and over
RURAL													
1	Stratton	...	...	...	...	...	...	...	...	...	...	...	...
2	Launceston	...	...	...	...	...	...	...	...	...	...	...	1
3	Calstock	...	...	...	...	...	...	...	...	...	...	...	1
4	Bosccastle	...	...	...	...	...	...	...	...	...	...	...	...
5	Camelford	...	...	...	...	...	...	...	...	...	...	...	...
6	Liskeard	...	...	2	3	...	1	...	...	...	...	1	1 2
7	St. Germans	...	...	2	...	...	...	...	...	...	...	1	5
8	Bodmin	...	...	...	1	1	...	...	...	...	...	...	...
9	St. Columb	...	...	1	4	...	...	...	...	...	...	...	...
10	St. Austell	...	1	1	1	...	1	...	...	...	...	...	...
11	Truro	...	1	...	...	...	5	...	...	...	...	...	2
12	Redruth	...	1	1	1 2	...	1 6	...	...	...	...	1	...
13	East Kerrier	...	...	...	...	...	4	...	...	...	...	...	...
14	Helston	...	1	...	...	...	2	...	...	1	...	...	...
15	West Penwith...	...	...	1	1	...	...	...	...	...	...	1	...
URBAN													
16	Launceston	...	2	3	5 11	4	1	...	2 18	...	1	...	3 11 2
17	Liskeard	...	...	...	...	...	...	...	...	...	...	...	...
18	Looe	...	...	...	...	...	...	...	...	...	...	...	6
19	Saltash	...	...	...	...	...	...	...	...	...	...	...	...
20	Bodmin	...	...	...	...	...	...	2	...	...	...	...	...
21	Lostwithiel	...	...	...	...	...	...	...	...	...	...	...	...
22	Wadebridge	...	...	...	...	...	...	...	...	...	...	...	...
23	Truro City	...	...	...	...	...	1	...	...	...	...	...	3 1
24	Penryn	...	...	...	...	...	...	...	...	...	...	...	...
25	Falmouth	...	...	1	...	...	1	...	1	1	...	1	6
26	Helston	...	...	...	...	...	...	...	...	1	...	...	...
27	St. Ives	...	...	...	...	...	...	...	...	...	...	...	1
28	Penzance	...	1	...	...	...	1	...	...	...	...	1	...
29	Padstow	...	...	...	1	...	...	...	...	...	...	...	...
30	Newquay	...	...	...	...	...	...	...	...	...	...	...	...
31	St. Austell	...	1	...	...	...	...	...	...	...	...	2	...
32	Redruth	...	...	...	...	...	...	...	...	...	...	...	...
33	Camborne	...	1	...	1	1	...	8	...	...	...	...	...
34	Phillack	...	...	3	1	1	...	1	...	...	...	1	1
35	Hayle	...	...	1	1	...	...	...	...	...	...	...	...
36	Madron	...	...	...	...	...	...	...	...	...	...	...	...
37	Paul	...	1	1	...	...	1	...	...	...	...	...	...
38	Ludgvan	...	...	...	...	...	...	...	...	...	...	...	...
39	St. Just	...	...	...	...	...	...	...	...	...	...	...	...
40	Scilly Isles	...	...	...	...	...	...	...	...	...	...	...	...
Rural													
Urban													
County													

MORTALITY FROM SUBJOINED CAUSES,

Distinguishing Deaths of Children under 5 years of age—1898.

Table No. 5—continued.

No. of District in Report	SANITARY DISTRICT	13		14		15		16		17		18		19		20		21		22	
		Whooping Cough		Diarrhoea and Dysentery		Rheumatic Fever		Phthisis		Bronchitis, Pneumonia, and Pleurisy		Heart Disease		Influenza		Cancer		Injuries		All other Diseases and Causes	
		under 5	5 and over	under 5	5 and over	under 5	5 and over	under 5	5 and over	under 5	5 and over	under 5	5 and over	under 5	5 and over	under 5	5 and over	under 5	5 and over	under 5	5 and over
RURAL																					
1	Stratton	...	...	...	...	...	...	1	13	9	...	6	...	...	...	...	3	12	28	47	
2	Launceston	...	...	3	...	...	...	5	2	21	2	14	...	...	...	...	...	1	14	31	
3	Calstock	...	...	1	...	...	...	3	5	18	...	10	...	...	...	5	...	5	12	26	
4	Bosccastle	...	...	...	...	...	...	2	1	1	...	5	...	1	...	...	...	2	2	14	
5	Camelford	...	...	...	...	...	...	3	4	4	...	1	...	...	...	...	6	15	43		
6	Liskeard	10	...	4	...	2	2	20	23	29	1	40	...	...	...	12	1	4	39	82	
7	St. Germans	7	1	6	...	3	...	16	6	29	...	19	...	...	...	10	...	15	37	73	
8	Bodmin	2	...	...	...	...	...	10	11	13	...	15	...	3	...	...	3	28	61		
9	St. Columb	1	...	2	4	...	2	11	6	27	...	11	...	...	...	10	4	8	32	48	
10	St. Austell	2	...	4	1	...	...	7	24	30	56	1	53	...	...	...	2	10	83	155	
11	Truro	11	...	4	2	...	1	30	16	38	...	37	...	...	...	17	...	3	61	179	
12	Redruth	17	...	7	3	...	...	2	31	20	56	...	26	2	6	...	10	...	66	147	
13	East Kerrier	6	...	5	...	...	...	3	12	8	9	1	13	...	7	...	...	16	18	77	
14	Helston	9	3	7	...	...	...	5	20	16	35	...	25	...	...	...	...	4	62	150	
15	West Penwith	1	...	3	...	1	5	16	11	5	...	14	...	...	...	13	...	2	41	70	
		66	4	46	10	...	9	25	204	172	350	5	289	2	17	...	67	20	91	538	1203
URBAN																					
16	Launceston	...	...	2	...	1	...	12	3	9	...	8	...	...	...	4	...	1	8	15	
17	Liskeard	2	...	...	...	...	1	3	1	14	...	11	...	...	...	5	1	1	11	31	
18	Looe	...	...	1	...	...	1	3	1	...	...	4	...	...	...	...	...	...	3	14	
19	Saltash	...	...	3	...	...	...	4	4	1	...	3	...	...	...	...	...	2	4	25	
20	Bodmin	...	...	...	1	...	...	17	...	13	...	15	...	4	...	...	...	4	3	69	
21	Lostwithiel	2	...	2	...	...	...	2	2	1	2	...	...	...	...	...	...	...	...	7	
22	Wadebridge	...	...	1	...	...	...	1	...	1	...	1	...	...	...	...	...	...	2	9	
23	Truro City	2	...	3	...	1	1	7	16	18	...	20	...	6	...	...	...	5	35	77	
24	Penryn	1	...	...	...	...	...	7	5	5	...	3	...	2	...	...	...	1	9	26	
25	Falmouth	13	...	5	...	1	2	30	8	25	...	14	1	7	...	...	...	3	42	91	
26	Helston	8	1	...	...	...	4	4	4	4	...	3	1	13	...	...	...	...	7	28	
27	St. Ives	...	1	...	...	...	...	7	...	21	...	...	...	2	...	4	...	2	60	34	
28	Penzance	8	1	20	1	1	2	13	18	19	...	15	...	1	...	...	...	3	42	75	
29	Padstow	...	...	1	1	...	...	...	1	4	...	4	...	...	...	...	...	1	...	9	
30	Newquay	...	...	2	...	...	...	4	2	6	...	1	1	3	...	...	...	1	4	16	
31	St. Austell	...	...	...	...	1	...	6	6	10	...	6	...	...	...	...	...	1	17	31	
32	Redruth	12	...	23	...	...	...	10	...	27	...	12	...	5	...	...	...	...	59	63	
33	Camborne	24	...	34	1	...	...	33	14	33	...	22	2	16	...	...	1	7	64	86	
34	Phillack	3	...	...	...	...	...	9	4	2	...	5	...	...	...	7	...	...	14	16	
35	Hayle	3	...	1	...	...	...	1	1	...	...	3	...	...	...	1	1	...	3	5	
36	Madron	1	...	3	...	...	...	4	5	15	...	16	...	6	...	4	...	2	18	24	
37	Paul	3	...	4	...	...	...	7	10	12	...	7	...	5	...	...	...	...	12	38	
38	Ludgvan	...	...	...	...	...	...	5	...	4	...	2	...	...	...	4	...	...	9	6	
39	St. Just	...	...	2	...	...	2	5	13	8	...	11	...	...	...	5	...	2	26	25	
40	Scilly Isles	4	...	3	...	...	...	1	...	...	...	1	...	...	...	2	...	...	6	10	
		86	3	110	4	...	5	13	195	118	252	2	187	5	70	...	36	3	36	458	830
	Rural	66	4	46	10	...	9	25	204	172	350	5	289	2	17	...	67	20	91	538	1203
	Urban	86	3	110	4	...	5	13	195	118	252	2	187	5	70	...	36	3	36	458	830
	County	152	7	156	14	...	14	38	399	290	602	7	475	7	87	...	103	23	127	996	2033

INFECTIOUS DISEASE.

New cases of Infectious Sickness in each locality, coming to the knowledge of the Medical Officer of Health, during 1898.

Table No. 6.

No. of District in Report	SANITARY DISTRICT.	1		2		3		4		5	6	7	8	9	10		11						
		Smallpox		Scarlatina		Diphtheria		Membranous Croup		FEVERS.										Cholera		Erysipelas	
under 5	5 and over	under 5	5 and over	under 5	5 and over	under 5	5 and over	under 5	5 and over	Typhus	Enteric or Typhoid	Continued	Relapsing	Puerperal	under 5	5 and over	under 5	5 and over					
RURAL.																							
1	Stratton					5																	
2	Launceston				8		10												1				
3	Calstock				5														3				
4	Boscastle				8														1				
5	Camelford			4	12		1																
6	Liskeard				2	4	9					10		1					4				
7	St. Germans	1			16	3	13					7							8				
8	Bodmin							1	1										3				
9	St. Columb			3	6	1	21					1							2				
10	St. Austell			24	71	3	6					5							10				
11	Truro			11	13	1	9		1			17		1			1		23				
12	Redruth				89		15		2			26		2					23				
13	East Kerrier			4	10							1	6						10				
14	Helston				28		4	1				12					1		3				
15	West Penwith...							4	4			1											
			1	46	268	17	88	6	8			1	85		4			2	—				
																		4	91				
URBAN.																							
16	Launceston				5	23	1	5											1				
17	Liskeard						1												2				
18	Looe				1							1											
19	Saltash			1	5		1					4							1				
20	Bodmin											3											
21	Lostwithiel							N	I		L												
22	Wadebridge			4	10	1	1												1				
23	Truro City			1	6							11					1		7				
24	Penryn			4	10		2					10							2				
25	Falmouth				6		1					21					3		8				
26	Helston			3	16												1						
27	St. Ives											4		3					7				
28	Penzance				5	15						2	1						13				
29	Padstow					5		1				1							1				
30	Newquay			1	15									1									
31	St. Austell				16	30													4				
32	Redruth	1			8		6					10		1					11				
33	Camborne			4	9		6	1	1			1	56		2				1				
34	Phillack				No	Notifi	cation												8				
35	Hayle					1	8					1							1				
36	Madron						1					3											
37	Paul				16		1					4											
38	Ludgvan							N	I		L												
39	St. Just					1																	
40	Scilly Isles				No	Notifi	cation																
					44	175	4	34	1	1			3	130		7			5				
																			1				
	Rural	...	1	46	268	17	88	6	8	...	...	1	85	...	4	...	2	...	4				
	Urban	...	1	44	175	4	34	1	1	...	...	3	130	...	7	...	5	...	1				
	County	...	1	1	90	443	21	122	7	9	...	...	4	215	...	11	...	7	5				

NOTE.—In the cases of Redruth (Rural), Falmouth, St. Ives, and Redruth (Urban), excepting the smallpox case in the latter district, ages were not distinguished in the M.O.H.'s reports; these have all been entered in the table as over 5 years.

BIRTHS, DEATHS, NATURAL INCREASE, AND INFANTILE AND ZYMOTIC DEATHS

Of the Population of Cornwall, during the year 1898.

Table No. 7.

	BIRTHS.			DEATHS.		NATURAL INCREASE.		INFANTILE & ZYMOTIC DEATHS.			
	Population, 1891	Births	Birth-rate per 1,000	Deaths	Death-rate per 1,000	Natural Increase	Natural Increase per 1,000 of the Population	Deaths under 1 year	Deaths under 1 year per 1,000 Births	Zymotic Deaths	Zymotic Death-rate per 1,000 of the Population
RURAL	195,634	4833	24.70	3181	16.25	1652	8.44	635	131.34	185	0.950
URBAN	126,236	3179	25.19	2470	19.64	709	5.61	617	193.14	251	1.988
COUNTY	321,870	8012	24.89	5651	17.55	2361	7.33	1252	156.24	436	1.353

REMARKS.—Comparing the Rural districts with the Urban it will be observed by the above Table that although the birth-rate was slightly lower, the natural increase was greater in the former. The death-rates,—general, infantile, and zymotic,—were considerably higher in the latter, demonstrating the advantages of the Rural life as regards health and longevity over those of the Urban.

MORTALITY OF THE POPULATION OF CORNWALL FROM ALL CAUSES

At the subjoined ages, during 1898.

Table No. 8.

	Population, 1891	Deaths at all ages	General death-rate	Deaths classified according to ages, and death-rates at each of those ages per 1,000 deaths at all ages.											
				Deaths under 1	Death-rate	1 and under 5	Death-rate	5 and under 15	Death-rate	15 and under 25	Death-rate	25 and under 65	Death-rate	65 and over	Death-rate
RURAL ..	195,634	3181	16.25	635	199.62	240	75.44	115	36.15	146	45.89	816	256.52	1229	386.37
URBAN ..	126,236	2470	19.64	617	249.79	204	82.59	61	24.69	108	43.72	678	274.49	802	324.69
COUNTY ..	321,870	5651	17.55	1252	221.55	444	78.57	176	31.14	254	44.94	1494	264.37	2031	359.40

REMARKS.—The above table shows that out of each 1,000 deaths which occurred in the County during 1898, omitting fractions—

221 were infants under 1 year.
 78 were children over 1 year and under 5.
 31 " " 5 years " 15.
 45 were aged 15 and under 25.
 264 " 25 " 65.
 359 " " 65 years and over.

The relative proportions of these deaths as occurring in Rural and Urban districts are also shown by the table.

MORTALITY RATES PER 1,000 OF THE POPULATION OF CORNWALL
from the undermentioned Diseases and Causes—1899.

Table No. 9.

	Smallpox	Scarlatina	Diphtheria	Membr. Croup	Enteric or Typhoid	Erysipelas	Measles	Whooping Cough	Diarrhoea and Dysentery	Rheumatic Fever	Phthisis	Bron. Pneu. and Pleur.	Heart Disease	Injuries	Influenza	Cancer	All other causes	Death-rate per 1,000 from all causes
RURAL ..	..	0.02	0.08	0.02	0.10	0.01	0.06	0.35	0.28	0.04	1.16	2.77	1.50	0.56	0.09	0.34	8.90	16.25
URBAN ..	..	0.03	0.08	0.01	0.10	0.04	0.13	0.70	0.90	0.04	1.64	2.93	1.49	0.30	0.59	0.28	10.22	19.64
COUNTY ..	..	0.02	0.08	0.02	0.10	0.02	0.09	0.49	0.53	0.04	1.35	2.77	1.50	0.46	0.29	0.32	9.42	17.55

REMARKS.—Diphtheria and Membranous Croup, and Enteric or Typhoid were about equally fatal in both divisions of the County; but Scarlatina, Erysipelas, Measles, Whooping Cough, Diarrhoea and Dysentery, Phthisis, Bronchitis, and Influenza, were more fatal in the Urban districts.

It will also be seen that 23.41 per cent. of the total deaths were due to Phthisis (Consumption) and Bronchitis, and its allied disorders Pneumonia and Pleurisy.

MORTALITY RATES OF ENGLAND AND WALES AND THE PRINCIPAL TOWNS COMPARED
WITH THOSE OF CORNWALL—1898.

Tabl No. 10.

MORTALITY PER 1,000 POPULATION FROM										
	All causes	The following six Zymotic diseases	Smallpox	Measles	Scarlet Fever	Diphtheria	Whooping Cough	Fever	Diarrhoea	Deaths under 1 year per 1,000 births
England and Wales	1892	19.0	2.00	0.015	0.46	0.19	0.22	0.46	0.15	0.50
	1897	17.4	2.15	0.000	0.40	0.14	0.24	0.35	0.16	0.86
	1898	17.6	2.22	0.01	0.41	0.11	0.24	0.31	0.18	0.96
Cornwall	1892	17.5	1.00	0.003	0.06	0.09	0.08	0.20	0.13	0.43
	1897	16.3	1.27	0.003	0.54	0.04	0.06	0.18	0.14	0.31
	1898	17.5	1.33	0.000	0.09	0.02	0.08	0.49	0.12	0.53
Thirty-three great Towns	1892	20.7	2.64	0.10	0.69	0.25	0.27	0.57	0.15	0.70
	1897	19.1	2.87	0.00	0.55	0.18	0.31	0.41	0.18	1.24
	1898	19.0	2.85	0.00	0.56	0.14	0.31	0.42	0.20	1.22

DISTRICT MONTHLY RAINFALL—1898.

Table No. II.

	Altitude	January	February	March	April	May	June	July	August.	September.	October.	November.	December.	Totals.
	ft.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Poughill ..	200	1.43	2.57	1.55	1.65	4.92	2.24	0.59	4.29	1.26	7.53	2.36	4.70	35.09
Bude ..	16	1.25	2.50	1.06	1.23	4.67	1.75	0.57	3.53	1.04	7.38	1.72	4.82	31.52
Launceston ..	446	0.92	2.82	1.27	2.60	4.44	2.57	0.48	3.73	1.93	8.51	3.00	5.65	37.92
Hingston Down ..	850	1.44	2.23	1.07	2.42	4.79	3.15	0.55	4.21	2.01	7.00	2.98	5.61	37.46
Pentillie Castle ..	150	1.33	1.97	1.46	2.76	5.05	2.91	0.53	3.88	2.22	8.28	4.72	7.38	42.49
Liskeard ..	375	1.28	2.59	1.49	2.27	5.34	2.52	0.43	2.92	2.06	10.39	4.30	6.52	42.11
Lanhydrock ..	390	1.29	2.63	1.94	2.93	4.87	2.32	0.77	5.01	1.78	8.00	4.67	6.36	42.57
Newquay ..	100	0.85	1.44	1.30	1.73	3.52	1.91	0.65	2.17	1.02	5.84	3.60	4.50	27.83
Plymouth (Dev.)	117	1.36	1.42	1.54	1.68	4.02	2.78	0.25	2.75	0.97	5.31	3.16	6.48	31.72
Cremyll ..	25	1.00	1.38	1.35	1.15	4.21	2.05	0.31	2.23	1.07	4.91	2.95	4.29	26.90
Menabilly ..	150	1.01	2.53	2.22	1.84	4.42	2.15	0.40	4.55	1.06	5.97	4.65	5.25	36.05
St. Austell ..	300	1.02	2.39	1.77	2.18	4.66	2.05	0.95	4.62	1.53	5.71	4.33	5.91	37.12
Heligan ..	..	2.10	1.85	1.50	2.07	4.12	1.32	0.55	4.48	1.17	5.50	4.14	5.24	34.04
St. Agnes ..	278	1.32	1.78	1.61	2.40	4.06	1.83	0.69	1.99	0.76	6.89	3.67	4.68	31.68
Probus ..	..	2.04	1.04	1.79	2.17	4.17	1.93	0.80	2.82	1.22	7.82	4.10	4.65	34.33
Truro (R.I.C.) ..	40	1.08	1.62	1.82	2.10	3.97	1.54	0.45	2.34	1.14	7.38	4.81	5.02	33.27
Redruth ..	..	0.99	2.22	2.04	2.94	4.48	2.22	0.75	2.49	1.05	6.24	5.25	5.77	36.44
St. Ives ..	60	1.07	1.58	1.30	2.53	3.90	1.82	0.42	1.88	1.19	6.35	5.10	4.40	31.54
Phillack ..	70	1.00	1.38	1.75	1.96	3.50	1.76	0.51	2.01	0.84	5.94	5.05	3.81	29.51
Falmouth (Ob.) ..	169	1.19	2.01	2.03	2.20	4.01	1.89	0.54	2.61	0.93	6.27	4.70	5.85	34.26
Marazion ..	30	0.94	1.91	1.67	2.02	4.02	1.56	0.39	2.32	0.78	6.11	4.83	3.96	30.50
Penzance ..	55	1.15	2.32	1.82	2.26	3.75	1.72	0.45	2.26	1.08	6.69	5.57	4.67	33.74
„ (Penlee) ..	..	1.32	2.41	1.82	2.37	3.86	1.89	0.49	2.22	1.20	6.68	5.51	5.26	35.03
Mullion ..	..	..	..	..	..	3.18	1.65	0.46	2.08	0.66	5.97	4.23	3.97	22.20*
Scilly (St. Mary's)	19	1.24	1.55	1.18	2.10	3.41	1.97	0.26	1.65	0.97	5.25	4.31	3.17	27.06

* For 8 months.

Table No. 12.

TEMPERATURE & HUMIDITY, 1898.

	Mean Tempera- ture.	Mean daily range of Tempera- ture).	Absolute extremes of Temperature.		Mean Relative Humidity of the Air.
			Highest.	Lowest.	
	0	0	0	0	Sat.=100
January	47.16	7.42	55.1	35.0	88
February	44.70	7.99	54.8	29.4	83
March	42.58	12.27	55.5	29.4	77
April	49.96	12.72	62.7	34.6	78
May	52.89	10.86	67.4	39.3	79
June	58.02	12.88	74.8	42.1	77
July	62.54	14.07	76.5	47.7	75
August	62.95	12.41	77.9	48.9	80
September	60.94	12.94	75.2	45.6	77
October	55.36	9.61	65.8	42.9	86
November	48.76	9.71	59.1	38.3	87
December	47.97	7.75	54.2	34.8	87
Mean ..	52.82	10.88	Highest 77.9	Lowest 29.4	81

RAINFALL, 1898.

	Mean Total Rainfall.	No. of days with rain (0.01 in. or more.)	Greatest fall in 1 day.
	Inches.		Inches.
January	1.23	11	0.38
February	2.00	20	0.29
March	1.59	14	0.38
April	2.17	12	0.64
May	4.21	18	0.88
June	2.06	11	0.69
July	0.53	6	0.18
August	3.12	14	1.16
September	1.23	9	0.47
October	6.71	22	1.55
November	4.14	20	1.20
December	5.12	22	0.98
Totals ..	34.11	179	Greatest 1.55

Table No. 13.

SUMMARY.

TEMPERATURE, HUMIDITY, & RAINFALL, 1898.

STATION.	Mean Temper- ature. — The Year	Mean Daily Range of Temper- ature.	Mean Relative Humid- ity.	Total Rainfall	Total duration of Hours of Bright Sun- shine.	Authority supplying the Monthly Returns.
	o	o	o/o	Inches.	Hours.	
Poughill ..	*	*	*	35.09	*	Colonel Field
Bude ..	52.16	11.39	85	31.52	*	Mr. J. Arthur
Launceston ..	48.72	11.19	81	37.92	*	Capt. Ching, R.N.
Hingston Down	*	*	*	37.46	*	Mr. H. Wadge
Pentillie Castle	*	*	*	42.49	*	Mr. W. T. Johnson
Liskeard ..	52.08	12.33	*	42.11	*	Mr. S. W. Jenkin
Lanhydrock ..	*	*	*	42.57	*	Preb. J. T. Every
Newquay ..	52.70	8.30	82	27.83	1742	Dr. Hardwick
Plymouth (Dev.)	52.01	11.22	83	31.72	1701	Mr. H. V. Prigg
Cremyll ..	54.44	12.31	*	26.90	*	Mr. J. Wonnacott
Menabilly ..	53.20	14.88	*	36.05	*	Mr. W. H. Bennett
St. Austell ..	*	*	*	37.12	*	Mr. W. M. Coode
Heligan ..	*	*	*	34.04	*	Mr. J. C. Tremayne
St. Agnes ..	*	*	*	31.68	*	Mr. J. Opie
Probus ..	*	*	*	34.33	*	Mr. H. Tresawna
Truro (R.I.C.) ..	52.92	14.07	77	33.27	1866	Mr. R. A. Gregg
Redruth ..	*	*	*	36.44	*	Mr. A. Lanyon
St. Ives ..	53.58	7.69	77	31.54	*	Dr. Nicholls
Phillack ..	*	*	*	29.51	*	Canon Hockin
Falmouth (Ob.)	52.85	5.12	81	34.26	1893	Mr. E. Kitto
Marazion ..	*	*	*	30.50	*	Mr. T. W. Field
Penzance ..	54.06	9.55	..	33.74	1880	Mr. C. H. Benn
do. (Penlee)	52.30	*	*	35.03	*	Mr. J. Branwell
Lizard Lights ..	§55.30	*	*	*	*	Mr. J. E. Davies
Mullion ..	†56.28	†9.91	*	¶22.20	¶1502	Mr. A. Mitchell
Scilly (S. Mary's)	53.16	8.26	84	27.06	1922	Dr. Macklin

* No Observations.

† For 7 Months.

§ For 11 Months.

¶ For 8 Months.