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FOURTH ANNUAL REPORT,  
1861.

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THE  
SANITARY CONDITION  
OF  
GLOUCESTER AND ITS VICINITY.  
BY  
DR. WASHBOURN.

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# FOURTH ANNUAL REPORT.

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THE

## SANITARY CONDITION

OF

### THE CITY OF GLOUCESTER,

TOGETHER WITH THE SUBURBAN AND RURAL DIVISIONS  
OF THE GLOUCESTER UNION,

DURING THE YEAR 1861.

BY

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THE ANNUAL REPORT

OF THE

THE GREAT BRITAIN DISTRICT

THE ANNUAL REPORT

1861

THE GREAT BRITAIN DISTRICT



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# THE SANITARY CONDITION

OF

# THE URBAN DISTRICT

OF THE

## GLOUCESTER UNION.

1862.

THE population in 1861 was returned at 16,220 ; including the inmates of the Infirmary, Workhouse, and Almshouses at 16,765. The registered births were 613—317 males and 296 females ; of these 4·89 per cent. were illegitimate ; in 1860 they were 535—264 males and 271 females. The registered deaths in 1861 were 344—182 males and 162 females—of these deaths 5·52 per cent. were uncertified. In 1860, 351 deaths were registered. These numbers do not include the mortality in the Workhouse, Infirmary, and Alms-houses. The death-rate of the city-proper, including the deaths in the above mentioned Institutions, was 22·29 per thousand, exclusive of that mortality 21·20 per thousand. At this rate there would be 47 living to every death, and under the best sanitary conditions there should be 58 living to every death.

By the kindness of Mr. S. R. T. Mayer I have been furnished with the mortality in urban parishes during the years 1840, 1841, and 1842. On comparing the death-rate in these years with the death-rate of 1861, it will be seen that notwithstanding very many drawbacks, the health of the city has undergone gradual improvement—attributable, without doubt, to the increased efficiency of sanitary regulations.

	Deaths from all causes.	Death-rate per 1000.	Proportion of lives to deaths
Population, 1841	1840— 447	30·01	33 to 1
14,869,	1841— 393	26·43	37 to 1
	1842— 430	28·91	34 to 1
Population, 1861	1861— 344	21·20	47 to 1
16,220.			

Taking the average of the 3 first years the death-rate is as high as 28·45 per thousand. We have thus been enabled, although the provisions of the Public Health Act have been most negligently and imperfectly carried out, to reduce the death-rate of the city-proper upwards of 7 in the thousand, and to have obtained, consequently, an annual saving of 13 lives.

Satisfactory as such a condition of things is, it must not lead us to relax our efforts in the cause of sanitary progression ; on the contrary, it must stimulate us to fresh exertions. If the public would put their shoulders to the wheel every obstacle in the pathway of public health would be overcome.

But it is inconceivable how apathetic the public are—the triumphs <sup>of</sup> death and disease take place so noiselessly as not to attract the attention of the crowd, and it is only amid the miseries and horrors of an epidemic that we begin to bestir ourselves and to awake to a sense of our negligence in permitting so many inducements to disease to accumulate around us. Nothing is more difficult than to imbue the minds of the poorer classes with the necessity of precaution—their motto is always, “sufficient for the day is the evil thereof,” and they are content to live on in the hope that what killed their neighbours will spare them; too lazy and too careless to go a step out of the usual course to forestall the enemy and prevent his approaches.

The following table shews the distribution of deaths:—

PARISH OR HAMLET.	Males.	Females.	under 5.	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	Over 80.	Both Sexes.	Average 10 years.
St. John .....	54	38	{ 25M 12F	1	2	2	5	4	2	5	4	4	..	{ 92	89.
Saint Nicholas (with Pool Meadow) .. }	28	21	{ 17M 12F	..	1	..	..	1	3	1	3	1	1	{ 49	58.
St. Catherine .....	15	19	{ 8M 6F	..	1	1	1	1	..	1	..	2	..	{ 34	29.2
Saint Mary-de-Lode (with Coll. Prec'ts) }	17	14	{ 11M 7F	..	..	2	..	1	1	..	2	1	..	{ 31	31.7
South Hamlet.....	16	15	{ 3M 6F	1	..	2	1	2	2	3	1	1	..	{ 31	23.2
St. Michael .....	6	12	{ 1M 6F	..	1	..	..	1	..	2	..	..	1	{ 18	19.9
St Mary-de-Crypt ....	10	7	{ 7M 1F	..	..	1	..	..	1	..	1	1	..	{ 17	18.4
Barton St. Mary ....	5	11	{ 4M 5F	..	1	..	2	..	1	..	1	..	..	{ 16	13.1
St. Owen.....	9	5	{ 4M 2F	..	..	..	..	1	3	..	1	..	..	{ 14	19.
St Aldate.....	5	5	{ 2M 2F	1	..	..	1	..	..	1	..	1	1	{ 10	15.9
Barton St Michael....	5	4	{ 3M 2F	..	..	1	..	..	1	..	..	..	..	{ 9	7.6
Littleworth.....	5	3	{ 1M 1F	..	..	..	2	..	..	..	1	1	..	{ 8	10.9
Holy Trinity .....	2	6	{ 1M 2F	..	..	..	2	..	..	1	1	..	..	{ 8	10.7
St Mary-de-Grace ....	5	2	{ 3M 0F	..	..	..	..	..	..	1	1	..	..	{ 7	2.9
Totals .....	182	162	{ 90M 64F	3	5	7	9	11	12	14	16	12	3	{ 344	
Deaths in Infirmary, from City Parishes }	1	1	{ .. ..	154	7	5	12	25	21	19	27	42	24	{ 8	..
Ditto in Almshouses ..	1	1	{ .. ..	..	..	..	..	..	..	..	1	..	..	{ 2	..
Ditto in Workhouse ..	11	9	{ 1M 3F	1	..	1	..	1	..	3	2	2	..	{ 20	..
Totals .....	195	173	{ 91M 67F	4	5	9	9	12	12	17	18	14	4	{ 368	
			{ .. ..	158	8	5	14	27	23	19	30	45	28	{ 11	

The death-rate in 1861 of the different Parishes is as follows; it is compared with the average annual death-rate for the last ten years:—

Position 1861.	PARISH OR HAMLET.	Estimat'd Popula- tion in 1861.	Death- rate 1861 per 1000.	Death- rate on 10 years per 1000.	Above the Average.	Below the Average.	Position 1860.
1	St. Michael .....	1372	13·11	14·72	..	1·61	5
2	St. Aldate .....	710	14·08	20·83	..	6·75	11
3	Holy Trinity .....	539	14·84	18·60	..	3·76	3
4	St. Mary-de-Crypt.....	953	17·83	18·45	..	·62	10
5	Littleworth .....	426	18·77	19·69	..	·92	4
6	South Hamlet.....	1634	18·95	16·90	2·05	..	8
7	Barton St. Mary.....	810	19·75	16·35	3·40	..	1
8	St. Nicholas (including Pool Meadow).....	2410	20·33	21·93	..	1·60	7
9	St. Owen .....	614	22·80	32·04	..	9·24	13
10	Barton St. Michael.....	383	23·49	19·89	3·60	..	14
11	St. John .....	3681	24·99	20·31	4·68	..	9
12	St. Mary-de-Lode (with College Precincts) ....	1167	26·56	25·11	1·45	..	12
13	St. Catherine .....	1270	26·77	24·01	2·76	..	2
14	St. Mary-de-Grace.....	251	27·88	10·62	17·26	..	6

The following table shews the distribution of births:—

PARISH OR HAMLET.	Males.	Females.	Both Sexes.	Both Sexes 1860.	Both Sexes 10 years
St. John .....	77	77	154	123	141
St. Nicholas (with Pool Meadow) .....	38	39	77	87	94
South Hamlet.....	34	27	61	54	40
St. Mary-de-Lode (with College Precincts) ..	32	20	52	54	44
St. Catherine .....	27	23	50	31	50
St. Michael .....	22	20	42	30	36
Barton St. Mary .....	22	18	40	33	30
St. Mary-de-Crypt.....	10	22	32	30	26
St. Aldate .....	13	11	24	25	25
St. Owen.....	11	12	23	20	17
Littleworth .....	12	10	22	12	13
Holy Trinity .....	8	7	15	18	15
Barton St. Michael ....	6	8	14	13	14
St. Mary-de-Grace.....	5	2	7	6	5
	317	296	613	536	550

The birth-rate in 1861 of the different Parishes is as follows; it is compared with the average annual birth-rate for the last ten years:—

Position 1861.	PARISH OR HAMLET.	Estimated Population.	Birth-rate per 1000.	Birth-rate, 10 years, per 1000.	Above the Average.	Below the Average.	Position 1860.
1	Littleworth .....	426	51·64	29·64	22·00	..	11
2	Barton St. Mary .....	810	49·38	37·70	11·68	..	2
3	St. Mary-de-Lode (with } College Precincts) .. }	1167	44·55	35·10	9·45	..	1
4	St. John .....	3681	41·83	36·40	5·43	..	6
5	St. Catherine .....	1270	39·37	41·69	..	2·32	12
6	St. Owen .....	614	37·45	30·52	6·92	..	9
7	South Hamlet .....	1634	37·33	29·81	7·52	..	8
8	Barton St. Michael ....	383	36·55	37·17	..	1·02	5
9	St. Aldate .....	710	33·80	33·55	·25	..	4
10	St. Mary-de-Crypt .....	953	33·57	26·37	7·20	..	10
11	St. Nicholas (with Pool } Meadow) .....	2410	31·53	35·61	..	4·08	3
12	St. Michael .....	1372	30·61	26·70	3·91	..	14
13	St. Mary-de-Grace .....	251	27·88	19·77	8·11	..	13
14	Holy Trinity .....	539	27·82	26·60	1·22	..	7

Death-rate per 1000, 1861, whole district.	Males.	Females.	Death-rate per 1000, whole district 10 years.
21·20	23·99	18·75	20·67

Birth-rate per 1000, 1861, whole district.	Males.	Females.	Birth-rate per 1000, whole district, 10 years
37·79	41·79	34·27	33·57

Proportion of births to deaths in 1861.	Proportion of births to deaths, 10 years.
1·78 to 1.	1·62 to 1.

The illegitimate births were, in

St. John .....	7	Barton St. Mary ....	2	South Hamlet .....	1
St. Michael .....	6	St. Mary-de-Crypt .....	2	Littleworth .....	1
St. Mary-de-Lode ..	5	St. Aldate .....	2	St. Owen .....	1
St. Catherine .....	4	St. Nicholas .....	1	Union Workhouse ..	6

*Zymotic Diseases.* The deaths from these diseases in 1861 were 64. In 1860, 68 were registered. No death took place from Small Pox; but Measles proved fatal in 1 case, and Scarlet Fever in 5 cases. Diphtheria proved fatal in 3 cases. The deaths from Diarrhœa were 22. Hooping Cough proved fatal in 16 cases.

## MORTALITY FROM ZYMOTIC DISEASES.

PARISH OR HAMLET.	Deaths from all causes at all ages.	Deaths from Zymotic Diseases at all ages.	Deaths from Zymotic Diseases under 5 years.	Per-centage of Zymotic Mortality.	Annual per-centage Deaths at all ages from Zymotic Diseases on an average of 3 years.
St. Mary-de-Crypt.....	17	1	1	5	14
St. Catherine .....	34	3	3	8	21
Holy Trinity .....	8	1	1	12	16
Barton St. Mary.....	16	2	2	12	17
South Hamlet.....	31	5	5	16	23
St. Michael.....	18	3	3	16	27
St. John .....	92	16	13	17	19
St. Mary-de-Lode (with } College Precincts) .. }	31	6	6	19	32
St. Owen.....	14	3	2	21	20
Littleworth .....	8	2	1	25	37
St. Nicholas (with Pool } Meadow)..... }	49	14	9	28	32
St. Mary-de-Grace... ..	7	2	2	28	14
St. Aldate .....	10	3	2	30	21
Barton St. Michael .....	9	3	2	33	9
	344	64	52	18	23

The following table gives the per-centage of death at various ages:—

	Under 5 years.	5—10	10—15	15—20	20—30	30—40	40—50	50—60	60—70	70—80	Over 80.
Males .....	49·45	1·64	2·74	3·84	4·94	6·04	6·59	7·69	8·79	6·59	1·64
Females .....	39·50	2·46	..	3·08	9·87	6·17	4·32	8·02	16·04	7·40	3·08
Both Sexes ..	44·47	2·05	2·74	3·46	7·40	6·10	5·45	7·85	12·41	6·99	2·36
Both Sexes } 1860. .. }	44·73	3·11	1·70	1·70	6·27	7·99	5·96	7·41	9·95	7·10	3·99

The per-centage of the infant mortality is shewn as follows, and compared with the annual per-centage deduced from an average of ten years :—

Position 1861.	PARISH OR HAMLET.	Per-centage of Infant Mortality 1861.	Per-centage of Infant Mortality 1860.	Per-centage of Infant Mortality 10 years.	Position 1860.
1	Littleworth .....	25·00	25·00	42·69	1
2	South Hamlet .....	29·03	42·85	34·48	8
3	Holy Trinity .....	37·50	40·00	44·85	7
4	St. Michael .....	38·88	53·84	46·96	12
5	St. Aldate .....	40·00	43·75	49·09	10
6	St. John .....	40·21	40·74	45·39	6
7	St. Catherine .....	41·17	43·47	39·04	9
8	St. Owen .....	42·85	36·84	28·57	4
9	St. Mary-de-Crypt .....	47·05	34·78	39·89	3
10	Barton St. Michael .....	55·55	33·33	42·10	2
11	Barton St. Mary .....	56·25	38·46	46·56	5
12	St. Mary-de-Grace .....	57·14	60·00	43·33	14
13	St. Mary-de-Lode (with } Coll. Precincts) }	58·06	51·29	53·31	11
14	St. Nicholas (with } Pool Meadow) .....	59·18	59·18	51·89	13
		44·84	43·10	43·43	

The following table shews the average age in years at death in the various parishes in 1861 :—

Position 1861.	PARISH OR HAMLET.	Males.	Females.	Both sexes, 1861.	Both sexes, 1860.	Both sexes, Aver. 3 years.	Position 1860.
1	St. Michael .....	41·16	35·33	37·27	21·96	25·13	12
2	South Hamlet .....	33·62	38·33	35·90	30·71	31·37	6
3	St. Aldate .....	35·20	33·00	34·10	26·31	26·90	10
4	Littleworth .....	38·00	27·00	33·87	27·25	30·95	8
5	Holy Trinity .....	34·50	29·83	31·00	26·30	28·35	11
6	St. John .....	24·07	40·57	30·89	32·43	31·63	4
7	St. Mary-de-Crypt .....	20·80	42·00	29·52	33·13	30·66	1
8	St. Owen .....	27·11	33·80	29·50	35·63	27·17	2
9	St. Mary-de-Grace .....	25·40	27·00	25·85	31·20	28·73	5
10	St. Nicholas (with Pool } Meadow) .....	24·46	25·14	23·61	20·00	19·82	14
11	St. Catherine .....	20·00	23·94	22·20	21·17	23·49	13
12	St. Mary-de-Lode (with } College Precincts) .. }	19·23	22·57	20·74	27·48	27·99	7
13	Barton St. Mary .....	14·80	23·36	20·68	27·07	24·89	9
14	Barton St. Michael .....	15·60	17·75	16·11	35·08	32·63	3
		26·56	29·97	27·94	28·62	27·83	

**THE SANITARY CONDITION**  
OF THE  
**SUBURBAN DISTRICT**  
OF THE  
**GLOUCESTER UNION.**

1861.

THE population in 1861 was returned at 9149; including the Infirmary, Workhouse, and Almshouses, it amounted to 9209. The registered births were 340—190 males and 150 females; of these 3·52 per cent. were illegitimate. In 1860 the number of births was 340—185 males and 156 females. The registered deaths in 1861 were 177—97 males and 80 females; of these deaths 8·47 per cent. were uncertified. In 1860, 160 deaths were registered. These numbers do not include the mortality in the Workhouse, Infirmary, and Almshouses. The death-rate in the suburbs, including the deaths in the above-mentioned institutions, was 20·33 per thousand, exclusive of that mortality 19·34 per thousand, or 51 living to every death.

The following table shews the distribution of deaths:—

PARISH OR HAMLET.	Males.	Females.	under 5.	5—10	10—15	15—20	20—30	30—40	40—50	50—60	60—70	70—80	Over 80	Total.
Barton St. Mary.....	40	33	{ 19M 15F	1 2	.. 2	.. ..	2 2	4 ..	1 4	4 3	4 ..	4 3	1 2	} 73
Barton St. Michael ....	23	14	{ 12M 5F	3 ..	.. ..	.. ..	1 2	.. 1	2 ..	3 2	.. 2	1 1	1 1	} 37
Kingsholm St. Mary....	12	10	{ 3M 5F	.. ..	.. 2	.. 1	2 1	1 1	2 ..	.. ..	2 ..	2 ..	.. 1	} 22
Wotton ..	7	9	{ 2M 1F	1 ..	2 ..	.. 1	.. 1	.. ..	.. 2	.. 2	1 2	1 2	.. ..	} 16
South Hamlet.....	8	6	{ 3M 3F	.. ..	.. ..	.. ..	1 ..	1 2	.. ..	2 ..	.. ..	.. 1	.. ..	} 14
Kingsholm St. Catherine	4	8	{ 3M 3F	.. 1	.. ..	.. ..	.. ..	1 ..	.. 1	.. ..	.. ..	.. 1	.. 1	} 12
North Hamlet.....	3	0	{ 2M 0F	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	1 ..	.. ..	.. ..	} 3
Totals .....	97	80	{ 44M 32F	5 3	2 2	0 3	6 7	7 4	5 5	9 7	8 4	8 8	3 5	} 177
Deaths in Infirmary } from Suburban Parishes }	0	0	{ .. ..	76 ..	8 ..	4 ..	3 ..	13 ..	11 ..	10 ..	16 ..	12 ..	16 ..	} 0
Ditto in Almshouses ....	3	2	{ .. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 2	3 ..	.. ..	} 5
Ditto in Workhouse ....	6	1	{ 0M 1F	.. ..	.. ..	.. ..	.. ..	.. 4	.. ..	.. 1	1 ..	1 ..	.. ..	} 7
Totals .....	106	83	{ 44M 33F	5 3	2 2	0 3	6 7	7 4	9 5	9 7	9 6	12 8	3 5	} 189
				77	8	4	3	13	11	14	16	15	20	8

The death-rate in 1861 of the different Parishes is as follows; it is compared with the annual average death-rate for the last ten years:—

Position 1861.	PARISH OR HAMLET.	Estimat'd Population in 1861.	Death-rate in 1861 per 1000.	Death-rate on 10 years per 1000.	Above the Average.	Below the Average.	Position 1860.
1	North Hamlet.....	244	12·29	23·28		11·59	0
2	Kingsholm St. Catherine	819	14·65	15·13		·48	2
3	Wotton .....	1075	14·88	16·97		2·09	5
4	Barton St. Michael.....	1932	19·15	19·00	·15		1
5	Barton St. Mary .....	3525	20·70	20·26	·44		3
6	Kingsholm St. Mary ....	1035	21·25	19·30	1·95		4
7	South Hamlet.....	519	26·97	28·99		2·02	6

The following table shows the distribution of births:—

PARISH OR HAMLET.	Males.	Females.	Both Sexes, 1861.	Both sexes, 1860.	Both Sexes, Average 10 years.
Barton St. Mary .....	75	55	130	143	133
Barton St. Michael ....	50	30	80	76	67
Wotton .....	21	19	40	42	31
Kingsholm St. Mary ....	13	18	31	37	35
Kingsholm St. Catherine	17	10	27	21	16
South Hamlet.....	11	15	26	18	18
North Hamlet .....	3	3	6	4	6
	190	150	340	341	306

The birth-rate in 1861 of the different Parishes is as follows; it is compared with the annual average death-rate for the last ten years:—

Position 1861.	PARISH OR HAMLET.	Estimat'd Population, 1861.	Birth-rate, per 1000.	Birth-rate, Average 10 years.	Above the Average.	Below the Average.	Position 1860.
1	South Hamlet.....	519	50·09	36·09	24·00		5
2	Barton St. Michael ....	1934	41·40	41·16	·24		2
3	Wotton .....	1075	37·20	31·69	5·51		3
4	Barton St. Mary .....	3525	34·04	49·00		14·96	1
5	Kingsholm St. Catherine	819	32·96	29·21	3·75		6
6	Kingsholm St. Mary ....	1035	29·95	36·27		6·32	4
7	North Hamlet.....	244	24·59	33·33		8·74	7

Birth-rate per 1000, 1861, whole district.	Males.	Females,	Birth-rate per 1000, 10 years, whole district.
37·16	43·16	31·59	40·81.

Death-rate per 1000, 1861, whole district.	Males.	Females.	Death-rate per 1000, 10 years, whole district.
19·34.	22·03	16·85	19·85.

Proportion of births to deaths, 1861.	Proportion of births to deaths, 10 years.
1·92 to 1.	2·05 to 1.

The illegitimate births in the different parishes were as follow :—

Barton St. Michael.. 5	Kingsholm St. Cath. 3	South Hamlet..... 1
Kingsholm St Mary.. 3	Barton St. Mary .... 1	Union Workhouse .. 4

*Zymotic Diseases.*—The deaths from these diseases in 1861 were 43. In 1860 there occurred 45. There was no fatal case of Small Pox. Diphtheria proved fatal in 7 instances, Hooping Cough in 10, and Diarrhœa in 9.

#### MORTALITY FROM ZYMOTIC DISEASES.

PARISH OR HAMLET.	Deaths from all causes at all ages.	Deaths from Zymotic Diseases at all ages.	Deaths from Zymotic Diseases under 5 years.	Per-centage of Zymotic Mortality.	Annual per-centage of Deaths at all ages for Zymotic Diseases, on an Average of 8 years.
Kingsholm St. Catherine	12	2	2	16	31
Barton St. Michael ....	37	6	4	16	34
Wotton .....	16	3	2	18	16
Kingsholm St. Mary ....	22	5	2	22	40
Barton St. Mary .....	73	20	15	27	29
North Hamlet.....	3	1	1	33	20
South Hamlet.....	14	6	4	42	30
	177	43	30	24	30

But one death took place in the North Hamlet.

The following table gives the per-centage of deaths at various ages :—

	Under 5 yrs.	5—10	10—15	15—20	20—30	30—40	40—50	50—60	60—70	70—80	Over 80.
Males .....	43·36	5·15	2·06		6·18	7·21	5·15	9·27	8·24	8·24	3·09
Females ....	40·00	3·75	2·50	3·75	8·75	5·00	6·25	8·75	5·00	10·00	6·25
Both Sexes..	42·93	4·51	2·25	3·75	7·34	6·21	5·64	9·03	6·79	9·03	4·51
Both Sexes } 1860..... }	47·41	2·51	1·24	4·38	5·01	5·56	3·74	6·21	8·75	6·83	8·10

The per-centage of the infant mortality is shewn as follows, and compared with the annual per-centage deduced from an average of ten years :—

Position 1861.	PARISH OR HAMLET.	Per-centage, 1861.	Per-centage 1860.	Per centage 10 years.	Position 1860.
1	Wotton .....	18·75	28·57	28·31	1
2	Kingsholm St. Mary ....	36·36	60·00	55·78	6
3	South Hamlet.....	42·85	46·66	41·49	3
4	Barton St. Michael ....	45·94	55·00	50·47	5
5	Barton St. Mary.....	46·57	52·38	54·54	4
6	Kingsholm St. Catherine	50·00	30·76	42·52	2
		40·07	45·56	5·51	

The following table shews the average age in years at death in the various Parishes in 1861:—

PARISH.	Males.	Females.	Both Sexes, 1861.	Both sexes, 1860.	Both Sexes, Average 10 years.
Wotton .....	25·57	48·66	38·56	34·75	33·78
South Hamlet .....	33·75	25·00	30·00	32·60	24·66
Kingsholm St. Mary .....	37·91	19·70	29·54	23·30	21·17
Barton St. Mary .....	28·80	25·93	27·50	24·93	23·00
Barton St. Michael .....	20·60	35·71	26·32	25·75	26·65
Kingsholm St Catherine	10·75	30·00	23·58	40·38	32·72
	26·23	30·83	29·25	30·28	26·98

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THE SANITARY CONDITION  
OF  
THE RURAL DISTRICT  
OF THE  
GLOUCESTER UNION.  
  
1861.

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THE population in 1861 was returned at 8153. Including the Infirmary and Workhouse it amounted to 8258. The registered births were 229—117 males and 112 females; of these, 3·49 per cent. were illegitimate. In 1860 the number of births was 236—118 males and 118 females. The registered deaths in 1861 were 132—62 males and 70 females; of these deaths 14·84 per cent. were uncertified. In 1860, 142 deaths were registered. These numbers do not include the mortality in the Infirmary and Workhouse. The death-rate in the rural division, including the deaths in the above-mentioned institutions, was 17·90 per thousand, exclusive of that mortality 15·78 per thousand; or 61 living to 1 death.

The following table shews the distribution of deaths :—

PARISH.	Males.	Females.	under 5.	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	Over 80.	Total.
Upton .....	9	8	{ 4 1	1	..	..	..	2	..	1	1	3	..	17
Sandhurst .....	6	5	{ 3 3	..	..	1	..	..	1	..	..	..	1	
Brockworth .....	3	7	{ 3 5	..	..	..	1	..	1	..	..	..	..	10
Hempsted .....	6	4	{ 1 ..	2	..	..	1	..	..	2	..	..	..	
Highnam, Over, { and Linton {	4	5	{ 2 2	..	..	1	..	1	..	..	1	2	..	9
Churchdown .....	4	4	{ 2 2	..	..	1	..	..	..	1	..	..	1	
Barnwood .....	3	5	{ 1 2	..	1	..	..	..	1	1	..	..	..	8
Quedgeley .....	4	3	{ .. ..	1	..	1	..	..	1	2	..	1	..	
Elmore .....	3	4	{ 1 2	..	..	..	..	..	..	..	2	..	..	7
Norton .....	2	5	{ 2 ..	1	..	2	..	..	..	..	1	..	1	
Longford Saint } Mary .....	5	1	{ 3 1	..	..	..	..	..	1	..	1	..	..	6
Longford Saint } Catherine .....	2	4	{ 2 2	..	..	1	..	..	1	..	..	..	..	
Ashelworth .....	2	3	{ .. ..	..	..	..	..	1	..	1	..	1	..	5
Hucclecote .....	2	3	{ 1 ..	..	..	..	..	..	..	..	2	1	..	
Maisemore .....	3	2	{ 1 ..	..	1	1	..	..	..	..	..	..	2	5
Hatherley .....	2	2	{ .. 1	..	..	..	..	..	..	..	1	1	1	
Twigworth .....	2	2	{ .. 1	..	..	..	..	..	2	..	..	..	..	4
Tuffley .....	..	2	{ .. ..	..	..	..	..	..	..	..	2	..	..	
Matson .....	..	1	{ .. ..	..	..	..	..	..	..	1	..	..	..	1
	62	70	{ 24 22	2	3	2	2	1	6	6	7	8	3	
			{ 46 ..	5	3	9	5	5	9	11	17	13	9	2
Deaths in In- } firmary .....	1	1	{ .. ..	..	..	..	..	..	..	..	..	..	1	
Deaths in Work- } house .....	9	5	{ 4 2	..	..	..	1	1	1	..	..	3	1	148
	72	76	{ 28 24	..	..	..	2	1	7	6	..	11	5	
			{ 52 ..	5	3	9	6	7	10	12	17	16	11	

In the Parishes of Lassington and Whaddon no death took place.

In my calculation of the mortality in the rural district I have collected the Parishes, with one exception, into three divisions, as in my last Report, as follows:—

HILL PARISHES .....Tuffley, Upton, Norton, Churchdown, Matson, and Lassington.

RIVER PARISHES .....Maisemore, Sandhurst, Ashelworth, Longford St. Catherine, and Elmore.

PARISHES OF THE PLAIN ..Quedgeley, Whaddon, Brockworth, Hucclecote, Barnwood, Hatherley, Twigworth, Highnam, &c., and Longford St. Mary.

The death-rate of the different divisions is as follows; it is compared with the annual average death-rate for the last ten years:—

DIVISION.	Estimated Population. 1861.	Death-rate, 1861.	Death-rate, 10 years.	Above the Average.	Below the Average.
Hill Parishes .....	2411	14·51	17·54	..	3·03
River Parishes .....	2199	15·46	15·16	·30	
Parishes of the Plain ..	3119	16·99	15·88	1·11	
Hempsted* .....	424	23·58	25·81	..	2·23

The following table shews the distribution of births:—

PARISH.	Males.	Females.	Both Sexes, 1861.	Both Sexes, 1860.	Both Sexes, 10 years
Upton St. Leonards .....	14	14	28	29	27
Sandhurst .....	12	14	26	17	19
Churchdown .....	13	9	22	21	20
Brockworth .....	6	11	17	17	15
Longford St. Mary .....	9	7	16	17	13
Ashelworth .....	7	8	15	18	15
Maisemore .....	9	5	14	13	16
Norton .....	4	9	13	14	13
Quedgeley .....	6	5	11	10	12
Hempsted .....	5	6	11	17	16
Barnwood .....	5	5	10	14	10
Hucclecote .....	7	2	9	13	11
Highnam, Over, & Linton	4	4	8	9	9
Elmore .....	5	2	7	6	9
Twigworth .....	2	2	4	2	4
Hatherley .....	2	2	4	2	5
Tuffley .....	0	4	4	4	4
Whaddon .....	3	0	3	4	3
Lassington .....	2	1	3	4	1
Longford St. Catherine ..	1	2	3	4	4
Matson .....	1	0	1	1	0
	117	112	229	236	226

\* Excluding deaths from drowning, the death-rate is 16·50 per thousand.

The birth-rate in 1861, in the different divisions, is as follows; it is compared with the average annual birth-rate for the last ten years:—

DIVISION.	Estimat'd Population, 1861.	Birth-rate, per 1000.	Birth-rate, Average 10 years.	Above the Average.	Below the Average.
River Parishes .....	2199	29·55	29·96	..	·41
Hill Parishes .....	2411	29·44	27·88	1·56	..
Parishes of the Plain....	3119	26·22	29·06	..	2·84
Hempsted .....	424	25·94	47·47	..	21·53

Birth-rate per 1000, 1861, whole district.	Males.	Females,	Birth-rate per 1000, 10 years, whole district.
28·08	28·73	27·43	29·76.

Death-rate per 1000, 1861, whole district.	Males.	Females.	Death-rate per 1000, 10 years, whole district.
16·19.	15·22	17·14	16·60.

Proportion of births to deaths, 1861.	Proportion of births to deaths, 10 years.
1·73 to 1.	1·80 to 1.

The illegitimate births in the several Parishes were as follow:—

Brockworth .....	3	Sandhurst .....	1	Upton .....	1
Maisemore .....	2	Longford St. Mary..	1	Union Workhouse ..	8

*Zymotic Diseases.* The deaths from these diseases in 1861 were 12. In 1860 there occurred 20. Two persons died from Scarlet Fever, and five from Diarrhœa.

#### MORTALITY FROM ZYMOTIC DISEASES.

DIVISION.	Deaths from all causes at all ages.	Deaths from Zymotic Diseases at all ages.	Deaths from Zymotic Diseases under 5 years.	Per-centage of Zymotic Mortality.	Annual per-centage Deaths at all ages from Zymotic Diseases on an average of 3 years.
River Parishes .....	34	7	6	20·58	13·97
Hill Parishes .....	35	2	1	5·71	14·81
Parishes of the Plain....	53	3	3	5·66	13·86
Hempsted* .....	122	12	10	9·83	14·24
	10	0	0	0	33·33

\* No Death.

The following table gives the per-centage of deaths at various ages :—

	Under 5 years	5—10	10—15	15—20	20—30	30—40	40—50	50—60	60—70	70—80	Over 80.
Males . . . .	38·70	3·22	1·61	3·22	3·22	1·61	9·67	9·67	11·29	12·90	4·83
Females ..	31·42	4·28	2·85	10·00	4·28	5·71	4·28	7·14	14·28	7·14	8·57
Both Sexes..	34·84	3·78	2·27	6·81	3·78	3·78	6·81	8·33	12·87	9·84	6·81
Both Sexes } 1860. . . }	35·42	2·68	3·22	3·66	9·21	5·36	2·86	5·00	11·63	10·64	14·39

The per-centage of the infant mortality is shewn as follows, and compared with the annual per-centage deduced from an average of ten years :—

DIVISION.	Per- centage, 1861.	Per- centage, 1860.	Average, 10 years.
Hill Parishes . . . . .	31·42	32·14	34·35
Parishes of the Plain. . . . .	37·73	29·78	27·52
River Parishes . . . . .	41·17	38·70	30·00
	36·77	33·54	30·62
Hempsted . . . . .	10·00	62·50	51·72

The following table shews the average age in years at death in the three Divisions in 1861 :—

PARISHES.	Males.	Females.	Both sexes, 1861.	Both sexes, 1860.	Both sexes, Aver. 3 years.
Hill Parishes . . . . .	27·94	45·65	38·05	40·48	33·42
Parishes of the Plain. . . . .	38·16	29·82	33·77	36·59	40·57
River Parishes . . . . .	33·93	25·11	29·26	33·96	42·16
	33·34	33·52	33·69	37·01	38·71
Hempsted . . . . .	25·00	49·50	34·80	19·30	23·49

#### METEOROLOGY.

The meteorology of Gloucester is derived from the observations taken at the County Lunatic Asylum, and kindly furnished to me by my friend Dr. WILLIAMS. The average temperature for the year was 49°·7, which was higher than the average temperature of 1860, by 2°·2. The mean daily range of temperature was 15°·5. The mean height of the barometer was 29·85. The rain-fall was 21·83 inches, and rain fell on 147 days in the year. The relative proportions of wind were—North, 82; East, 74; South, 61; West, 147.

	Average Temp.	Mean daily range.	Barom- mean.	Rain- fall.	Days on which rain fell.	WIND.			
						N.	E.	S.	W.
1861	49°·7	15°·5	29·85	21·83 in.	147	82	74	61	147
1860	47°·5	14°·5	29·75	28·01 in.	192	90	70	66	142
1859	50°·7	16°·3	29·87	23·85 in.	158	81	63	59	155
Average	49°·3	15°·4	29·82	24·56 in.	165	84	69	62	148





(TABLE I.—Continued.)

Shewing the Causes of Death at different Ages during the Year 1861.

CAUSES OF DEATH.	All Ages.	Sex.	Total under 1 yr.	1	2	3	4	5	10	15	25	35	45	55	65	75	85	95 & upwards.
ORDER IV.																		
1 Enteritis .....	2	1M	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		1F	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
2 Peritonitis.....	5	3M	..	..	..	..	1	..	..	..	..	..	..	1	1	..	..	..
		2F	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..
3 Ulceration of Intestines	1	1M	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
		0F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 Hernia .....	3	1M	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		2F	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..
5 Ileus ... ..	1	0M	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		1F	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
6 Intussusception	2	1M	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		1F	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
7 Disease of Stomach	2	0M	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..
		2F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8 Jaundice .....	1	0M	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		1F	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
9 Disease of Liver	9	7M	1	..	..	..	..	..	1	1	..	..	..	2	2	..	..	..
		2F	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..
ORDER V.																		
1 Supra-renal Disease ..	1	1M	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
		0F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ORDER VI.																		
1 Nephritis .. ...	1	0M	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		1F	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
2 Nephria.....	2	0M	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
		2F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3 Diabetes .....	2	1M	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
		1F	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
4 Disease of Kidney	4	3M	..	..	..	..	..	..	1	..	..	..	1	1	..	..	..	..
		1F	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
ORDER VII.																		
1 Ovarian Dropsy	1	0M	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		1F	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
ORDER VIII.																		
1 Arthritis .....	1	1M	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
		0F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2 Disease of Joints	3	1M	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
		2F	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
ORDER IX.																		
1 Ulcer .....	1	1M	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		0F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2 Skin Disease .....	1	0M	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		1F	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CLASS IV.—																		
ORDER I.																		
1 Premature Birth	9	3M	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		6F	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2 Teething .....	14	9M	5	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..
		5F	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ORDER II.																		
1 Childbirth.....	1	0M	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
		1F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(TABLE I.—Continued.)

Shewing the Causes of Death at different Ages during the Year 1861.

CAUSES OF DEATH.	All Ages.	Sex.	Total under 1 yr.	1	2	3	4	5	10	15	25	35	45	55	65	75	85	95 & upwards.	
ORDER III.																			
1 Old Age.....	44	{ 20M 24F	..	..	..	..	..	..	..	..	..	..	..	..	1	6	8	5	..
			..	..	..	..	..	..	..	..	..	..	..	..	2	4	12	6	..
ORDER IV.																			
1 Atrophy and Debility	51	{ 30M 21F	28	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				17	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CLASS V.—																			
ORDER I.																			
(ACCIDENTAL OR NEGLIGENCE.)																			
1 Fractures and Contusions	9	{ 8M 1F	..	..	..	..	..	..	..	1	..	2	2	..	3	..	..	..	..
				..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
2 Burns and Scalds	2	{ 2M 0F	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
				..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3 Drowning .....	8	{ 7M 1F	..	..	..	..	..	..	..	4	1	..	1	1	..	..	..	..	..
				..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
4 Suffocation .....	1	{ 0M 1F	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
				..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ORDER II.																			
(HOMICIDE.)																			
1 Murder and Manslaughter	2	{ 1M 1F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
				1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ORDER III.																			
(SUICIDE.)																			
1 Cuts and Stabs..	1	{ 1M 0F	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
				..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
2 Poison .....	1	{ 1M 0F	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
				..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3 Hanging .....	1	{ 1M 0F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ORDER IV.																			
1 Causes not specified, or ill-defined	15	{ 8M 7F	2	..	..	..	..	1	1	..	..	1	1	3	..	3	..	..	..
				2	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..
Totals .....	705	{ 373 332	112	25	17	5	4	14	6	24	14	28	14	28	22	31	43	21	7
			72	24	13	6	6	12	4	28	25	18	25	29	38	24	8	..	..

(TABLE 2.)

*Register of Births and Deaths in the Urban, Suburban, and Rural Divisions of the Gloucester Union,  
for the 52 Weeks ending 31st day of December, 1861.*

DIVISION.	Estimated Popu- lation in 1861.	BIRTHS.			DEATHS.			From all causes under 5 yrs. of age.	From Small Pox.	From Measles.	From Scarlet Fever.	From Hooping Cough.	From Diarrhoea.	From Low Fever.	From Diphtheria.
		M.	F.	M. & F.	M.	F.	M. & F.								
Urban	16220	317	296	613	182	162	344	154	....	1	5	16	22	8	3
Suburban	9149	190	150	340	97	80	177	76	....	4	1	10	9	4	7
Rural	8153	117	112	229	62	70	132	46	....	1	2	2	5	1	....
Workhouse	337	11	9	20	26	15	41	11	....	....	....	....	....	1	....
Infirmary and Almshouses	208	....	....	....	6	5	11	....	....	....	....	....	....	....	....
TOTALS	34067	635	567	1202	373	332	705	287	....	6	8	28	36	14	10

(TABLE 3.)

FIRST OR WINTER QUARTER, 1861.

*Register of Births and Deaths in the Three Divisions of the Gloucester Union, from 1st day of January to 31st day of March, 1861.*

DIVISION.	Estimated Population in 1861.	BIRTHS.			DEATHS.			From all causes under 5 years of age.	From Small Pox.	From Measles.	From Scarlet Fever	From Hooping Cough	From Diarrhoea.	From Low Fever.	From Diphtheria.
		M.	F.	M.&F.	M.	F.	M.&F.								
Urban .. .. .	16220	74	69	143	36	44	80	37	..	..	3	4	..	..	..
Suburban .. .. .	9149	53	37	90	19	25	44	16	..	1	1	..	..	1	..
Rural .. .. .	8153	28	36	64	13	22	35	9	..	..	2	..	..	..	..
Workhouse .. .. .	337	..	2	2	8	3	11	2	..	..	..	..	..	..	..
Infirmary and Almshouses .. .. .	208	..	..	..	1	2	3	..	..	..	..	..	..	..	..
<b>TOTALS .. .. .</b>	<b>34067</b>	<b>155</b>	<b>144</b>	<b>299</b>	<b>77</b>	<b>96</b>	<b>173</b>	<b>64</b>	<b>..</b>	<b>1</b>	<b>6</b>	<b>4</b>	<b>..</b>	<b>..</b>	<b>3</b>

(TABLE 4.)

SECOND OR SPRING QUARTER, 1861.

*Register of Births and Deaths in the Three Divisions of the Gloucester Union, from 1st day of April to 30th day of June, 1861.*

DIVISION.	Estimated Population, 1861.	BIRTHS.			DEATHS.			From all causes under 5 years of age.	From Small Pox.	From Measles.	From Scarlet Fever.	From Hooping Cough.	From Diarrhoea.	From Low Fever.	From Diphtheria.
		M.	F.	M.&F.	M.	F.	M.&F.								
Urban .. .. .	16220	83	65	148	49	36	85	35	..	..	..	8	..	..	..
Suburban .. .. .	9149	50	35	85	23	23	46	18	..	..	..	5	..	..	..
Rural .. .. .	8153	29	33	62	19	17	36	9	..	..	..	1	..	..	..
Workhouse .. .. .	337	3	1	4	4	6	10	3	..	..	..	..	..	..	..
Infirmary and Almshouses .. .. .	208	..	..	..	2	0	2	..	..	..	..	..	..	..	..
TOTALS .. .. .	34067	165	134	299	97	82	179	65	..	..	..	14	..	..	..

(TABLE 5.)

THIRD OR SUMMER QUARTER, 1861.

*Register of Births and Deaths in the Three Divisions of the Gloucester Union, from 1st day of July to 31<sup>st</sup> day of September, 1861.*

DIVISION.	Estimated Population, 1861.	BIRTHS.			DEATHS.			From all causes, under 5 years of age.	From Small Pox.	From Measles.	From Scarlet Fever.	From Hooping Cough.	From Diarrhoea.	From Low Fever.	From Diphtheria.
		M.	F.	M.&F.	M.	F.	M.&F.								
Urban .. ..	16220	67	68	135	37	38	75	39	..	1	..	4	16	1	2
Suburban .. ..	9149	36	37	73	27	17	44	21	..	2	..	4	8	..	1
Rural .. ..	8153	32	28	60	16	14	30	12	..	1	..	..	1	..	..
Workhouse .. ..	337	5	3	8	5	1	6	..	..	..	..	..	..	1	..
Infirmaries and Almshouses .. ..	208	..	..	..	1	..	1	..	..	..	..	..	..	..	..
<b>TOTALS</b> .. ..	<b>34067</b>	<b>140</b>	<b>136</b>	<b>276</b>	<b>86</b>	<b>70</b>	<b>156</b>	<b>72</b>	<b>..</b>	<b>4</b>	<b>..</b>	<b>8</b>	<b>25</b>	<b>2</b>	<b>3</b>

(TABLE 6.)

FOURTH OR AUTUMN QUARTER, 1861.

*Register of Births and Deaths in the Three Divisions of the Gloucester Union, from 1st day of October to the 31st day of December, 1861.*

DIVISION.	Estimated Population, 1861.	BIRTHS.			DEATHS.			From all causes, under 5 years of age.	From Small Pox.	From Measles.	From Scarlet Fever.	From Hooping Cough.	From Diarrhoea.	From Low Fever.	From Diphtheria.
		M.	F.	M.&F.	M.	F.	M.&F.								
Urban .. .. .	16220	91	96	187	60	44	104	43	..	..	2	..	6	7	1
Suburban .. .. .	9149	52	40	92	27	16	43	21	..	1	..	1	2	3	3
Rural .. .. .	8153	27	16	43	14	17	31	16	..	..	..	1	4	..	..
Workhouse .. .. .	337	3	3	6	10	4	14	6	..	..	..	..	..	..	..
Infirmary and Almshouses .. .. .	208	..	..	..	2	3	5	..	..	..	..	..	..	..	..
<b>TOTALS</b> .. .. .	<b>34067</b>	<b>173</b>	<b>155</b>	<b>328</b>	<b>113</b>	<b>84</b>	<b>197</b>	<b>86</b>	<b>..</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>12</b>	<b>10</b>	<b>4</b>

(TABLE 7.)\*

*Births, Deaths, and Temperature in the Three Divisions of the Gloucester Union during the Four Quarters of 1861.*

	Number of Deaths, 1861.	Mean Temp. of Air.	Number of Deaths, Average of 4 years.	Mean temp. of Air, 4 years.	Number of Deaths, Average of 4 years.	Number of Births, 1861.
First Quarter .....	159	40°1	159	40°9	285	297
Second Quarter ....	167	53°1	142	53°1	274	295
Third Quarter.....	149	59°7	142	60°2	264	268
Fourth Quarter ....	179	45°9	178	44°6	274	322
Sum of 4 Quarters..	654	46°7	621	49°7	1097	1182

(TABLE 8.)\*

	Births.	Deaths.	Birth-rate, per 1000.	Per-centage of illegitimate Births.	Death-rate, per 1000.	Per-centage of Zymotic Disease.	Per-centage of deaths, under 5 years.	Average ago at death.
Urban .. ..	613	344	37·79	4·89	21·20	18	44·47	27·94
Suburban ..	340	177	37·16	3·52	19·34	24	42·93	29·25
Rural (not including Hempsted)	229	122	28·08	3·49	15·78	9	34·84	33·69

\* These Tables do not include the Births and Deaths in the Union Workhouse, &c.

Report of the  
 Superintendent of the  
 State of New York  
 for the year ending  
 1881

Year	...	...	...	...	...
1877	...	...	...	...	...
1878	...	...	...	...	...
1879	...	...	...	...	...
1880	...	...	...	...	...
1881	...	...	...	...	...

...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...

