

Public

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28/2

Vital Statistics.

Recording the Sanitary
Commissioner's remarks
on the returns of —
in the districts & Municipalities
of the Madras
Presidency for September
1888 & ordering their publication
in the Fort St. George Gazette.

Forwarding copy of
Proceedings — — — — —
for the month of Sept 1888.

on 2-9-86

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OF 188

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188 , No.

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OF 188

ENCLOSURES.

CURRENT No.

Gobt. of {1889} Madras.
PUBLIC.

Issued

Recd.

Encl.

Letter, 28th February 1889,
No. 204.

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Vital Statistics.

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Sanitary Commissioner's remarks on the returns
of — for the month of September 1888.

31
32-1-8-f

28TH FEBRUARY 1889, No. 204, PUBLIC.

PUBLIC DEPARTMENT.

LETTER—to

THE UNDER SECRETARY OF STATE FOR INDIA.

SIR,

I am directed to forward, for the information of the Right Honorable the Secretary of State for India, copy of the Proceedings of this Government, No. 203, Public, of to-day's date, recording the Sanitary Commissioner's remarks on the returns of vital statistics in the several districts in this Presidency for the month of September 1888.

2. The statistics are annexed.

I have the honor to be,
Sir,
Your most obedient servant,

FORT ST. GEORGE,
28th February 1889.

Chief Secretary.

Ed. A. Raitt.

Govt. of {1889} Madras.
PUBLIC.

Issued

Recd.

Encl.

G.O., 28th February 1889, No. 203.

FEBRUARY.

Vital Statistics.

Recording the Sanitary Commissioner's remarks on the returns of — in the districts and municipalities of the Madras Presidency for September 1888, and ordering their publication in the *Fort St. George Gazette*.

GOVERNMENT OF MADRAS.
PUBLIC DEPARTMENT.

READ—the following paper :—

From Surgeon-Major J. A. LAING, Sanitary Commissioner for Madras, to the Chief Secretary to Government, dated Madras, 20th February 1889, No. 187.

I have the honor to submit, for the information of Government and publication in the *Fort St. George Gazette*, the usual abstract statements of births and deaths in the districts and municipalities of the Madras Presidency, for the month of September 1888.

2. In both districts and towns, the events recorded were less than the preceding month. The total number of births registered was 74,860, against 77,522 in the previous month, and the total deaths 44,615, against 48,569. Of these, 4,904 births and 4,001 deaths occurred in the municipal towns. Proportionally considered with the population, the total district birth-rate was 32·2 per mille per annum, and the death-rate 19·2 per mille. In the towns, the rates were 31·6 and 25·8 per 1,000, respectively.

3. In the following table, the results are contrasted with those obtained in the past months of the year, the corresponding month of the past year, and the average of five previous corresponding periods; and in the table subjoined, the events are given as they occurred among the different sexes and the several classes of the community :—

	Districts.				Municipalities.			
	Births.	Deaths.	Birth-rate.	Death-rate.	Births.	Deaths.	Birth-rate.	Death-rate.
Average of 5 previous Septs. ..	77,694	48,230	32·9	20·4	5,128	4,272	32·6	27·2
September 1887	78,978	51,341	33·7	21·9	5,304	4,754	34·4	30·8
January 1888	80,230	74,173	26·3	32·4	6,003	8,035	32·4	52·1
February	55,293	53,350	24·3	23·5	4,453	5,819	28·9	37·7
March	65,164	48,407	28·0	21·0	4,977	4,890	32·3	31·7
April	64,233	43,092	27·5	18·5	5,048	4,410	32·6	28·4
May	70,351	43,732	30·1	18·7	5,245	4,304	33·9	27·7
June	73,093	46,454	31·9	20·3	5,018	4,656	32·4	30·0
July	81,307	50,652	34·9	21·7	5,256	4,605	33·9	29·7
August	77,522	48,569	33·7	21·1	5,138	4,755	33·1	30·7
September	74,860	44,615	32·2	19·2	4,904	4,001	31·6	25·8

	Males.	Females.	Percentage of males to females.	Christians.	Hindus.	Muhammadians.	Total.	Christians.	Hindus.	Muhammadians.	Total.
<i>Districts.</i>											
Births	38,392	36,468	105·2	1,287	69,468	4,105	74,860	23·8	32·7	27·1	32·2
Deaths	22,878	21,737	105·2	737	40,904	2,974	44,615	13·6	19·3	19·7	19·2
<i>Municipalities.</i>											
Births	2,542	2,362	107·6	350	3,922	632	4,904	34·2	31·8	29·3	31·6
Deaths	2,005	1,993	100·7	265	3,162	574	4,001	25·9	25·7	26·6	25·8

4. The district mortality-rates, compared with those of Bengal, North-Western Provinces and Punjab for the same period, stand thus :—

	Death-rate per mille per annum.
Bengal	22.2
North-Western Provinces	33.4
Punjab	31.2
Madras	19.2

5. The maximum birth-rate recorded in any single district was 42.0 in Kistna and Salem, and the minimum 21.5 in the Nilgiris. The highest death-rate occurred in Madras (town) 33.5, and the lowest, 14.6, in Coimbatore. In the towns, both the birth and death rates were far more divergent than in the districts, the difference between the maximum and minimum rates being 66.3 and 40.7, respectively. The highest ratio of births, 71.7, was recorded in Ongole, and the lowest, 5.4, in Tirupati; and of deaths, Bezvada returned the highest ratio, 53.9, and Cuddalore the lowest, 13.2. Registration seems to be still defective in some districts and towns, Tirupati town standing pre-eminent in this respect.

6. In the following tables, the birth and death rates for each district and town are given arranged in the order of sequence:—

Districts.	Birth-rate per mille per annum.	Districts.	Birth-rate per mille per annum.	Districts.	Death-rate per mille per annum.	Districts.	Death-rate per mille per annum.
Kistna	42.0	Coimbatore	30.8	Madras	33.5	Trichinopoly	19.0
Salem	42.0	Vizagapatam	30.1	Kurnool	27.1	Salem	18.6
Bellary	41.9	Tinnevely	29.7	Bellary	26.2	Ganjam	18.1
Madras	39.7	Tanjore	29.2	South Canara	26.2	Nellore	17.6
North Arcot	38.3	Trichinopoly	28.0	Chingleput	24.9	Malabar	17.0
South Arcot	36.3	Cuddapah	27.8	Cuddapah	24.3	Madura	15.8
Kurnool	36.1	South Canara	26.5	Anantapur	23.6	Nilgiris	15.8
Anantapur	35.3	Godavari	23.8	Kistna	21.4	Godavari	15.5
Chingleput	34.9	Malabar	23.3	Tanjore	19.9	Vizagapatam	15.3
Nellore	33.5	Ganjam	22.3	North Arcot	19.2	Tinnevely	15.1
Madura	33.1	Nilgiris	21.5	South Arcot	19.0	Coimbatore	14.6

Municipalities.	Birth-rate per mille per annum.	Municipalities.	Birth-rate per mille per annum.	Municipalities.	Death-rate per mille per annum.	Municipalities.	Death-rate per mille per annum.
Ongole	71.7	Bimlipatam	32.1	Bezvada	53.9	Madura	22.4
Bezvada	56.5	Máyavaram	31.2	Anantapur	53.8	Vellore	22.0
Gudiyatam	49.6	Masulipatam	30.8	Coonoor	45.2	Adoni	21.9
Wáájápet	46.2	Tuticorin	30.2	Cochin	38.9	Erode	21.8
Conjeeveram	45.7	Kurnool	30.1	Cuddapah	35.4	Kumbakonam	21.3
Dindigul	45.6	Anantapur	29.3	Dindigul	34.6	Nellore	20.6
Karár	43.0	Nellore	29.2	Calicut	34.2	Periyakulam	20.4
Tirupatúr	42.0	Pálni	27.9	Madras	33.5	Tirupati	19.9
Pálgat	41.6	Coonoor	27.6	Wáájápet	33.5	Trichinopoly	19.8
Erode	41.3	Bellary	27.3	Mangalore	32.8	Karár	19.6
Vániyambádi	40.6	Rajahmundry	25.4	Gudiyatam	32.3	Ootacamund	19.4
Madras	39.7	Srirangam	24.8	Bimlipatam	32.1	Palacottah	19.3
Vizagapatam	38.0	Chicacole	24.2	Berhampore	32.0	Tellicherry	19.0
Vellore	38.0	Tinnevely	24.2	Rajahmundry	31.7	Negapatam	18.9
Anakápalie	37.7	Berhampore	23.8	Srirangam	31.5	Cocanada	18.6
Cochin	37.4	Kumbakonam	23.4	Kurnool	31.2	Vániyambádi	18.5
Chidambaram	36.9	Ellore	21.9	Vizagapatam	30.5	Masulipatam	18.4
Salem	36.0	Cannanore	20.4	Bellary	30.3	Tirupatúr	15.9
Vizianagrum	36.1	Tanjore	18.6	Vizianagrum	29.2	Ellore	15.7
Tellicherry	35.1	Mannargudi	18.5	Conjeeveram	28.6	Parlakimedi	15.6
Madura	34.9	Cuddapah	18.3	Pálgat	28.0	Máyavaram	15.6
Adoni	34.7	Cocanada	18.1	Coimbatore	26.1	Cannanore	15.4
Calicut	34.6	Guntúr	17.7	Salem	25.7	Guntúr	14.6
Coimbatore	34.4	Negapatam	17.1	Ongole	24.7	Tinnevely	14.4
Periyakulam	34.2	Parlakimedi	14.8	Chicacole	24.2	Tanjore	14.0
Mangalore	34.0	Cuddalore	14.6	Chidambaram	23.5	Tuticorin	14.0
Ootacamund	33.0	Trichinopoly	12.5	Palni	23.4	Mannargudi	13.6
Palacottah	32.7	Tirupati	5.4	Anakápalie	22.4	Cuddalore	13.2

7. In the following table, the principal causes of death during the month are given compared with those of past periods. It is satisfactory to observe a still further diminution in the deaths from cholera and small-pox in both districts and towns than that noted in the preceding month. There is a decrease in the deaths from bowel-complaints also compared with the previous month, while the mortality from fevers in the districts is greater:—

	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injuries.	All other causes.	Total deaths.
Districts—							
September 1887	1,724	1,462	20,293	2,416	986	24,460	51,341
January 1888	18,772	1,740	20,576	3,167	810	29,108	74,173
February	9,397	2,291	15,870	2,154	772	22,866	53,350
March	4,423	2,562	16,525	1,823	989	22,085	48,407
April	2,237	2,248	15,487	1,790	1,065	20,265	43,092
May	1,699	1,729	15,935	1,919	1,108	21,342	43,732
June	2,562	1,591	16,347	2,131	1,013	22,810	46,454
July	4,588	1,733	16,869	2,471	922	24,069	50,652
August	3,559	1,499	16,292	2,601	970	23,648	48,569
September 1888	1,803	1,418	16,375	2,141	1,104	21,774	44,615
Municipalities—							
September 1887	191	120	1,128	726	49	2,510	4,754
January 1888	2,760	207	1,222	769	50	3,027	8,035
February	1,284	273	1,047	588	45	2,582	5,819
March	412	302	1,087	508	57	2,524	4,890
April	308	247	912	499	52	2,392	4,410
May	184	221	894	505	55	2,445	4,304
June	520	232	819	579	48	2,428	4,656
July	636	204	814	579	46	2,326	4,605
August	403	168	927	772	50	2,495	4,755
September	120	122	895	519	48	2,297	4,001

8. Cholera caused 1,803 deaths, small-pox 1,418, fevers 16,375, and bowel-complaints 2,141. The greatest cholera mortality occurred in Cuddapah 332, that from small-pox in North Arcot 161, from fevers in Malabar 1,431, and from bowel-complaints in Chingleput 340. Cholera was entirely absent in four districts, while small-pox, fevers and bowel-complaints prevailed in all the districts. Injuries caused 1,104 deaths, and "All other causes" 21,774. Of the deaths from injuries, 238 were suicidal, 574 were from wounds and accidents, and 292 were caused by snakes and wild beasts.

9. The following tables show the deaths from each of the principal specified causes of death arranged in order from highest to lowest in both districts and towns:—

Districts.	Cholera.	Districts.	Small-pox.	Districts.	Fevers.	Districts.	Bowel-complaints.
Cuddapah	332	North Arcot	161	Malabar	1,431	Chingleput	340
North Arcot	270	South Arcot	142	Cuddapah	1,374	Malabar	325
Chingleput	248	Tanjore	132	Vizagapatam	1,298	Madras	197
Malabar	230	Madura	127	Kistna	1,183	South Canara	192
South Canara	138	Ganjam	126	Godavari	1,103	North Arcot	104
Ganjam	112	Salem	116	North Arcot	1,103	Nellore	103
South Arcot	84	Trichinopoly	116	Kurnool	1,101	Coimbatore	96
Trichinopoly	76	Kurnool	83	Salem	1,011	Tanjore	90
Anantapur	73	Bellary	75	South Arcot	1,006	South Arcot	79
Bellary	50	Cuddapah	73	Ganjam	893	Bellary	79
Salem	44	South Canara	55	Coimbatore	876	Cuddapah	77
Nellore	36	Malabar	47	Nellore	681	Salem	73
Madras	28	Nellore	34	South Canara	575	Godavari	54
Tanjore	21	Coimbatore	32	Madura	467	Ganjam	50
Vizagapatam	20	Chingleput	25	Chingleput	423	Madura	49
Godavari	19	Vizagapatam	24	Bellary	421	Tinnevely	49
Madura	14	Anantapur	23	Trichinopoly	419	Vizagapatam	45
Kistna	8	Tinnevely	12	Tinnevely	274	Kistna	41
Tinnevely	8	Tanjore	8	Tanjore	266	Trichinopoly	36
Kurnool	4	Godavari	4	Madras	244	Anantapur	34
Coimbatore	3	Nilgiris	3	Anantapur	142	Kurnool	19
Nilgiris	1	Madras	1	Nilgiris	84	Nilgiris	9

Municipalities.	Cholera.	Municipalities.	Small-pox.	Municipalities.	Fever.	Municipalities.	Bowel-complaints.
Madras ..	28	Salem ..	22	Madras ..	244	Madras ..	197
Calicut ..	24	Trichinopoly ..	16	Madura ..	35	Calicut ..	26
Cuddapah ..	14	Srirangam ..	13	Berhampore ..	29	Negapatam ..	24
Anantapur ..	14	Tanjore ..	10	Rajahmundry ..	28	Madura ..	21
Vellore ..	8	Kurnool ..	8	Trichinopoly ..	28	Trichinopoly ..	19
Cochin ..	8	Gudiyátam ..	8	Bellary ..	28	Rajahmundry ..	12
Wárajápet ..	7	Conjeeveram ..	4	Vizagapatam ..	23	Vellore ..	12
Salem ..	7	Madura ..	4	Conjeeveram ..	22	Salem ..	12
Vizianagrum ..	3	Dindigul ..	4	Kurnool ..	21	Cuddalore ..	11
Tellicherry ..	3	Tellicherry ..	4	Vellore ..	21	Kumbakonam ..	11
Berhampore ..	2	Negapatam ..	3	Pálghat ..	20	Tinnevely ..	11
Conjeeveram ..	1	Mangalore ..	3	Cuddapah ..	19	Tanjore ..	10
Tirupati ..	1	Calicut ..	3	Chicacole ..	18	Mangalore ..	10
Chicacole ..	..	Vizagapatam ..	2	Parlákimedi ..	18	Berhampore ..	9
Parlákimedi ..	..	Kumbakonam ..	2	Chidambaram ..	18	Vizagapatam ..	9
Vizagapatam ..	..	Mannárgudi ..	2	Adóni ..	18	Conjeeveram ..	9
Bimlipatam ..	..	Adóni ..	2	Salem ..	18	Tuticorin ..	9
Anakápallo ..	..	Vellore ..	2	Vizianagrum ..	15	Coimbatore ..	9
Cocanada ..	..	Coimbatore ..	2	Kumbakonam ..	15	Bimlipatam ..	8
Rajahmundry ..	..	Cannanore ..	2	Coimbatore ..	15	Vizianagrum ..	8
Ellore ..	..	Berhampore ..	1	Cuddalore ..	14	Chidambaram ..	8
Masulipatam ..	..	Parlákimedi ..	1	Mangalore ..	14	Bezvada ..	8
Guntúr ..	..	Madras ..	1	Negapatam ..	13	Chicacole ..	7
Bezvada ..	..	Cuddalore ..	1	Gudiyátam ..	13	Mannárgudi ..	6
Nellore ..	..	Palni ..	1	Vaniyambádi ..	13	Máyavaram ..	5
Ongole ..	..	Tirupati ..	1	Tanjore ..	11	Periyakulam ..	5
Cuddalore ..	..	Chicacole ..	1	Nellore ..	10	Cocanada ..	4
Chidambaram ..	..	Bimlipatam ..	..	Máyavaram ..	10	Tirupatúr ..	4
Trichinopoly ..	..	Vizianagrum ..	..	Ootacamund ..	10	Pálghat ..	4
Srirangam ..	..	Anakápallo ..	..	Calicut ..	10	Ellore ..	3
Tanjore ..	..	Cocanada ..	..	Guntúr ..	9	Ongole ..	3
Kumbakonam ..	..	Rajahmundry ..	..	Anakápallo ..	8	Bellary ..	3
Máyavaram ..	..	Ellore ..	..	Ellore ..	7	Erode ..	3
Negapatam ..	..	Masulipatam ..	..	Srirangam ..	7	Coonoor ..	3
Mannárgudi ..	..	Guntúr ..	..	Dindigul ..	7	Tellicherry ..	3
Madura ..	..	Bezvada ..	..	Palni ..	7	Cochin ..	3
Periyakulam ..	..	Nellore ..	..	Cochin ..	7	Palamcottah ..	2
Dindigul ..	..	Ongole ..	..	Cocanada ..	6	Vaniyambádi ..	2
Palni ..	..	Chidambaram ..	..	Cannanore ..	6	Parlákimedi ..	1
Tinnevely ..	..	Máyavaram ..	..	Bezvada ..	6	Srirangam ..	1
Palamcottah ..	..	Periyakulam ..	..	Masulipatam ..	5	Cuddapah ..	1
Tuticorin ..	..	Tinnevely ..	..	Mannárgudi ..	5	Gudiyátam ..	1
Kurnool ..	..	Palamcottah ..	..	Periyakulam ..	5	Tirupati ..	1
Bellary ..	..	Tuticorin ..	..	Tuticorin ..	5	Ootacamund ..	1
Adóni ..	..	Cuddapah ..	..	Tirupati ..	5	Anakápallo ..	..
Vaniyambádi ..	..	Bellary ..	..	Bimlipatam ..	4	Masulipatam ..	..
Tirupatúr ..	..	Anantapur ..	..	Tinnevely ..	4	Guntúr ..	..
Coimbatore ..	..	Wárajápet ..	..	Coonoor ..	4	Nellore ..	..
Erode ..	..	Vaniyambádi ..	..	Wárajápet ..	3	Dindigul ..	..
Karúr ..	..	Tirupatúr ..	..	Tirupatúr ..	3	Palni ..	..
Ootacamund ..	..	Erode ..	..	Karúr ..	3	Kurnool ..	..
Coonoor ..	..	Karúr ..	..	Tellicherry ..	3	Adóni ..	..
Mangalore ..	..	Ootacamund ..	..	Erode ..	2	Anantapur ..	..
Pálghat ..	..	Coonoor ..	..	Ongole ..	1	Wárajápet ..	..
Cannanore ..	..	Pálghat ..	..	Palamcottah ..	1	Karúr ..	..
Gudiyátam ..	..	Cochin ..	..	Anantapur ..	1	Cannanore ..	..

10. *Towns of 25,000 Inhabitants and upwards.*—The registered events in the towns (Ootacamund included) in a population of 902,913 amounted, in September, to 2,108 births and 1,729 deaths, yielding ratios of 28·0 and 22·9 per mille per annum, respectively. Compared with the registered results of the twenty-eight great towns of England and Wales and the first-class towns of Bengal, they stand thus :—

	Birth-rate per mille per annum.	Death-rate per mille per annum.
Twenty-eight great towns of England and Wales ..	27·9	16·5
First-class towns of Bengal ..	20·3	29·5
Do. of Madras ..	28·0	22·9

11. The following table gives the particulars for each of the towns :—

	Popula- tion.	Cholera.	Small- pox.	Fever.	Bowel- complaints.	Injuries.	All other causes.	Total deaths.	Total births.
Trichinopoly ..	84,449	..	16	28	19	3	74	140	88
Madura ..	76,847	..	4	35	21	2	107	169	224
Calicut ..	69,631	7	22	18	12	..	69	128	182
Salem ..	57,085	24	3	10	26	..	100	163	165
Tanjore ..	54,745	..	10	11	10	..	33	64	85
Negapatam ..	53,776	..	3	13	24	..	36	76	77
Bellary ..	53,460	..	..	28	3	..	104	135	122
Kumbakonam ..	50,098	..	2	15	11	..	61	89	98
Cuddalore ..	43,545	..	1	14	11	..	22	48	53
Coimbatore ..	38,967	..	2	15	9	1	58	85	112
Vellore ..	37,491	8	2	21	12	1	26	69	190
Conjeeveram ..	37,275	1	4	22	9	..	53	89	142
Pálghat ..	36,339	..	..	20	4	4	57	85	126
Masulipatam ..	35,056	..	..	5	..	..	43	48	90
Mangalore ..	32,099	..	3	14	10	7	54	88	91
Cocanada ..	30,441	..	..	6	4	..	32	42	46
Vizagapatam ..	30,291	..	2	23	9	1	42	77	96
Nellore ..	27,505	..	..	10	..	..	33	47	67
Cannanore ..	26,386	..	2	6	..	..	26	34	45
Ellore ..	25,092	..	..	7	1	..	22	33	46
Ootacamund ..	12,335	..	..	10	1	..	9	20	34
Total ..	902,913	40	76	331	198	24	1,060	1,729	2,108

ORDER—dated 28th February 1889, No. 203, Public.

Recorded.

2. The returns will be published in the *Fort St. George Gazette*.

(True Extract.)

Chief Secretary.

To the Revenue Department.

Board of Revenue.

Surgeon-General with the Government of Madras.

Sanitary Commissioner for Madras.

Exd. A. Raitt.

Public {188 } , Dept.

PROCEEDINGS OF THE MADRAS GOVT.

Dated 188 , No.

PUBLIC DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

letter from the Sanitary Commissioner, dated 20th Feb. 1889, No. 187.

ORDER THEREON, 28th Feb/89. No. 203

Recorded.

The returns will be published in the Fort
St. George Gazette.

H. E.

PUBLIC DEPARTMENT.

(Sanitary).

To the Revenue Department.

„ Board of Revenue. L 1

„ Surgeon-General with the Government of Madras. 6

„ Sanitary Commissioner. 22

No. 204 of 188

28 Feb/89.

To

THE UNDER SECRETARY OF
STATE FOR INDIA.

SIR,

I AM directed to forward, for the information of the Right Honorable the Secretary of State for India, copy of the Proceedings of this Government, No. 203 Public, of to-day's date, recording the Sanitary Commissioner's remarks on the returns of vital statistics in the several districts in this Presidency, for the month of September 1888.

2. The statistics are annexed.

Chief Secretary.

C No 46

Public Department

From

Surgeon Major J. A. Loring
Sanitary Commissioner

To

The Chief Secretary
to Government

Public Department
Fort St. George

Dated 20th }
Despd 22 } February 1889
Recd

RECEIVED
SECRETARY
GOVERNMENT OF MADRAS
12 1889

Enclosed

Subject

Forwards vital statistical reports of the districts & municipalities of the Madras Presidency for September 1888

25/2

... corresponding periods, in
table subjoined the events are given as
they occurred among the different sexes
and the several classes of the community.

	Districts				Municipalities			
	Births	Deaths	Birth rate	Death rate	Births	Deaths	Birth rate	Death rate
Average of 5 previous years	7764	4823	32.9	20.4	5128	4272	32.6	27.2
September 1887	7897	5734	33.7	21.9	5304	4751	34.4	30.2
January 1888	6822	4703	26.3	32.4	5003	8035	32.4	52.1
February	5529	3350	24.3	23.5	4453	5819	28.9	37.7
March	6114	4840	28.0	21.0	4977	4890	32.3	31.7
April	6220	4302	27.5	18.5	5048	4410	32.4	28.4
May	7035	4373	30.1	18.7	5245	4304	33.9	27.7
June	7309	4645	31.9	20.3	5018	4656	32.4	30.0
July	6117	5052	34.9	34.7	5256	4605	33.9	29.7
August	7721	4809	33.4	21.1	5738	4783	33.4	30.7
September	7660	4468	32.2	19.2	4904	4001	31.6	25.0

	Births	Deaths	Birth rate	Death rate	Births	Deaths	Birth rate	Death rate	Total	Birth rate	Death rate	Total
Births	7764	4823	32.9	20.4	5128	4272	32.6	27.2	7764	32.9	20.4	32.2
Deaths	4823	5734	33.7	21.9	5304	4751	34.4	30.2	4823	33.7	21.9	27.2
Births	6822	4703	26.3	32.4	5003	8035	32.4	52.1	6822	26.3	32.4	31.6
Deaths	4703	3350	24.3	23.5	4453	5819	28.9	37.7	4703	24.3	23.5	25.9
Births	6114	4840	28.0	21.0	4977	4890	32.3	31.7	6114	28.0	21.0	31.6
Deaths	4840	4302	27.5	18.5	5048	4410	32.4	28.4	4840	27.5	18.5	25.9
Births	7035	4373	30.1	18.7	5245	4304	33.9	27.7	7035	30.1	18.7	31.6
Deaths	4373	4645	31.9	20.3	5018	4656	32.4	30.0	4373	31.9	20.3	25.9
Births	6117	5052	34.9	34.7	5256	4605	33.9	29.7	6117	34.9	34.7	31.6
Deaths	5052	4809	33.4	21.1	5738	4783	33.4	30.7	5052	33.4	21.1	25.9
Births	7660	4468	32.2	19.2	4904	4001	31.6	25.0	7660	32.2	19.2	31.6
Deaths	4468	5734	33.7	21.9	5304	4751	34.4	30.2	4468	33.7	21.9	25.9

4. The annual mortality rate, compared with those of Bengal, North West Provinces and Punjab for the same period stand thus:-

	Death rate per male per annum
Bengal	22.2
Northwest Provinces	33.4
Punjab	31.2
Madras	19.2

5. The maximum birth rate recorded in any single district was 42.0 in Krishna and the minimum 21.5 in the Nilgiris. The highest death rate occurred in Madras (town) 33.5, and the lowest 14.6 in Tirupati. In the towns both the birth and death rates were far more divergent than in the districts, the difference between the maximum and minimum rates being 66.3 and 13.2 respectively. The highest ratio of births 41.7 was recorded in Ongole and the lowest 13.2 in Tirupati, and of deaths Bezawada retained the highest ratio 53.9 and the lowest 13.2. Registration seems to be still defective in some districts and towns. Tirupati town standing pre-eminent in this respect.

6. In the following tables the birth and death rates for each district and town are given arranged in the order of

In the following table the principal causes of death during the month are given compared with those of past periods. It is satisfactory to observe a still further diminution in the deaths from cholera and small-pox in both districts and towns than that noted in the preceding month. There is a decrease in the deaths from bowel complaints also compared with the previous month while the mortality from fevers in the districts is greater.

	Cholera	Small-pox	Fevers	Bowel Complaints	Injuries	All other causes	Total deaths
Districts							
September 1887	1724	1462	20293	2416	986	24460	51341
January 1888	18772	1740	20576	3167	810	29108	74173
February "	9397	2291	15870	2154	772	22866	52350
March "	4423	2562	16525	1823	989	22085	48407
April "	2237	2248	15497	1790	1065	20265	43092
May "	1699	1729	15935	1919	1108	21342	43732
June "	2562	1591	16347	2131	1013	22810	46454
July "	1578	1733	16869	2471	922	24069	50652
August "	3589	1499	16292	2601	970	23648	48569
September "	1803	1418	16375	2141	1104	21774	44655
Municipalities							
September 1887	191	120	1128	726	49	2540	4754
January 1888	2760	207	1222	769	50	3027	8835
February "	1284	273	1047	588	45	2582	5819
March "	412	302	1087	508	57	2524	4890
April "	308	247	912	499	52	2392	4410
May "	184	221	894	505	53	2445	4304
June "	520	232	849	579	48	2428	4656
July "	636	204	814	579	46	2326	4605
August "	403	168	927	712	50	2495	4755
September "	120	122	895	519	48	2297	4001

8. Cholera ^{non inhabited} caused 1803 deaths small 1418, fevers 16375 and bowel complaints 214. The greatest cholera mortality occurred in Cuddapah 332, that from small-pox in North Arcot 161. from fevers in Malabar 1431 and from bowel complaints in Chingleput 340. Cholera was entirely absent in four districts while small-pox fevers and bowel complaints prevailed in all the districts. Injuries caused 1104 deaths and "all other causes" 21774. Of the deaths from injuries 238 were suicidal. 574 were from wounds and accidents and 292 were caused by snakes and wild beasts.

9. The following tables show the deaths from each of the principal specified causes of death arranged in order from highest to lowest in both districts and towns.

Districts	Cholera	Districts	Small-pox	Districts	Fevers	Districts	Injuries
Cuddapah	332	North Arcot	161	Malabar	1431	Chingleput	340
North Arcot	278	South Arcot	142	Cuddapah	1374	Malabar	338
Chingleput	243	Tanjore	132	Vizagapatnam	1299	Madras	197
Malabar	232	Madras	127	Tirichinopoly	1188	South Canara	192
South Canara	133	Ganjam	126	Godavari	1183	North Arcot	161
Ganjam	112	Bellary	116	North Arcot	1103	Nellore	104
North Arcot	84	Tirichinopoly	115	Tumacoor	1101	Bombay	104
Tirichinopoly	76	Tumacoor	83	Salem	1011	Tanjore	100
Anantapur	73	Bellary	75	South Arcot	1006	South Arcot	100
Bellary	50	Cuddapah	43	Ganjam	893	Bellary	89
Salem	44	South Canara	43	Mysore	876	Cuddapah	87
Nellore	36	Malabar	47	Nellore	681	Salem	77
Madras	28	Nellore	34	South Canara	675	Godavari	72
Tanjore	21	Coimbatore	32	Madras	667	Ganjam	59
Vizagapatnam	20	Chingleput	25	Chingleput	623	Madras	49
Godavari	19	Vizagapatnam	24	Bellary	621	Tirumvelly	49
Madras	18	Anantapur	23	Tirichinopoly	419	Vizagapatnam	45
Tirumvelly	8	Tirumvelly	12	Tirumvelly	274	Tirichinopoly	38
Tirumvelly	8	Tirumvelly	8	Tanjore	266	Anantapur	34
Tumacoor	4	Godavari	4	Madras	264	Tumacoor	19
Coimbatore	3	Nellore	3	Anantapur	142	Nellore	19
Nellore	1	Madras	1	Nellore	84	Nellore	9

Municipalities	Cholera	Municipalities	Small pox	Municipalities	Fever	Municipalities	Bowel Complaints
Madras	28	Salem	22	Madras	24	Madras	197
Calicut	24	Trichinopoly	16	Madura	35	Calicut	28
Cuddalore	14	Srirangam	13	Berhampore	29	Negapatam	24
Anantapur	14	Tanjore	10	Rajamundry	28	Madura	21
Vellore	8	Tirunool	8	Trichinopoly	28	Trichinopoly	19
Cochin	8	Gudiyalam	8	Bellary	28	Rajamundry	18
Walajapet	7	Conjeveram	4	Viragapatam	23	Vellore	12
Salem	7	Madura	4	Conjeveram	22	Salem	12
Viraganagar	7	Indigul	4	Tirunool	21	Cuddalore	11
Tellicherry	3	Tellicherry	4	Vellore	21	Kumbakonam	11
Berhampore	2	Negapatam	3	Palghat	20	Tinnevely	11
Conjeveram	1	Mangalore	3	Cuddalore	19	Tanjore	10
Tirupati	1	Calicut	3	Chicacole	18	Mangalore	10
Chicacole	"	Viragapatam	2	Parlakimedi	18	Berhampore	9
Kumbakonam	"	Kumbakonam	2	Chellambaram	18	Viragapatam	9
Viragapatam	"	Mannargudi	2	Adoni	18	Conjeveram	9
Brillipatam	"	Adoni	2	Salem	18	Tuticorin	9
Anantapur	"	Vellore	2	Viraganagar	15	Coimbatore	9
Coimbatore	"	Coimbatore	2	Kumbakonam	15	Brillipatam	8
Rajamundry	"	Coimbatore	2	Coimbatore	15	Viraganagar	8
Ellore	"	Berhampore	1	Cuddalore	14	Chellambaram	8
Masulipatam	"	Parlakimedi	1	Mangalore	14	Bezawada	8
Quintur	"	Madras	1	Negapatam	13	Chicacole	7
Bezawada	"	Cuddalore	1	Gudiyalam	13	Mannargudi	6
Vellore	"	Palni	1	Mannargudi	13	Mayavaram	5
Angole	"	Tirupati	1	Tanjore	11	Periyakulam	5
Cuddalore	"	Chicacole	"	Nellore	10	Coimbatore	4
Chellambaram	"	Brillipatam	"	Mayavaram	10	Tirupathi	4
Trichinopoly	"	Viraganagar	"	Ottacamund	10	Palghat	4
Srirangam	"	Anantapur	"	Calicut	10	Ellore	3
Tanjore	"	Coimbatore	"	Quintur	9	Angole	3
Berhampore	"	Rajamundry	"	Anantapur	8	Bellary	3
Mayavaram	"	Ellore	"	Ellore	7	Erode	3
Negapatam	"	Masulipatam	"	Srirangam	7	Coimbatore	3
Mannargudi	"	Quintur	"	Indigul	7	Tellicherry	3
Madura	"	Bezawada	"	Palni	7	Cochin	3
Periyakulam	"	Nellore	"	Cochin	7	Palamcottah	2
Indigul	"	Angole	"	Coimbatore	6	Tanjore	2
Palni	"	Chellambaram	"	Berhampore	6	Viraganagar	2
Quintur	"	Mayavaram	"	Madulipatam	5	Cuddalore	2
Periyakulam	"	Periyakulam	"	Mannargudi	5	Gudiyalam	2
Tirunool	"	Palamcottah	"	Periyakulam	5	Tirupati	1
Nellore	"	Tuticorin	"	Tuticorin	5	Ottacamund	1
Angole	"	Tirupati	"	Tirupati	5	Anantapur	"
Bezawada	"	Cuddalore	"	Brillipatam	4	Quintur	"
Mayavaram	"	Brillipatam	"	Tinnevely	4	Nellore	"
Negapatam	"	Coimbatore	"	Coimbatore	4	Indigul	"
Mannargudi	"	Walajapet	"	Walajapet	3	Palni	"
Madura	"	Tirupathi	"	Tirupathi	3	Tirunool	"
Periyakulam	"	Erode	"	Tanjore	3	Adoni	"
Indigul	"	Thiruvannamalai	"	Tellicherry	3	Anantapur	"
Palni	"	Thiruvannamalai	"	Erode	2	Walajapet	"
Quintur	"	Palamcottah	"	Palamcottah	1	Thiruvannamalai	"
Periyakulam	"	Anantapur	"	Anantapur	1	Coimbatore	"
Tirunool	"	Coimbatore	"	Coimbatore	"		
Nellore	"	Palghat	"	Palghat	"		
Angole	"	Coimbatore	"	Coimbatore	"		
Bezawada	"	Coimbatore	"	Coimbatore	"		
Mayavaram	"	Coimbatore	"	Coimbatore	"		
Negapatam	"	Coimbatore	"	Coimbatore	"		
Mannargudi	"	Coimbatore	"	Coimbatore	"		
Madura	"	Coimbatore	"	Coimbatore	"		
Periyakulam	"	Coimbatore	"	Coimbatore	"		
Indigul	"	Coimbatore	"	Coimbatore	"		
Palni	"	Coimbatore	"	Coimbatore	"		
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