

- (1) பத்தங்களின் எண்ணிக்கை 15-28
- (2) புதுக்கித் திருப்பிய நாள் _____
- (3) ஆதாரம் குறிப்பவர் சுருக்கொப்பம் _____

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

மொஜு துறை

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நாள் : 7-12-1889	1989

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Vital Statistics.

Forwarding to the Under
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Proceedings recording the Secretary
Commissioner's remarks on the
returns of — in the several
districts in the Presidency, for
the month of August 1889; and
publishing the returns in the
Fort St George Gazette.

Letter

omit "to the Under Secretary of State"
and "and publishing, &c."

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Letter, 7th Dec. 1889, No. 1003.

DECEMBER.

Vital Statistics.

Forwarding copy of Proceedings recording
the Sanitary Commissioner's remarks on the
returns of — in the several districts in this Presi-
dency for the month of August 1889.

REMARKS WITH DEDUCTIONS

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7TH DECEMBER 1889, No. 1008, 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. 1007, 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 August 1889.

2. The statistics are annexed.

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

Chief Secretary.

FORT ST. GEORGE,
7th December 1889.

Exd. W. H. French.

Govt. of {1889} Madras.

PUBLIC.

Issued

Recd.

Encl.

G.O., 7th December 1889, No. 1007.

DECEMBER

Vital Statistics.

Forwarding to the Under Secretary of State copy of Proceedings recording the Sanitary Commissioner's remarks on the returns of — in the several districts in this Presidency for the month of August 1889, and publishing the returns 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 Kumbakonam, 29th November 1889, No. 1941.

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 August 1889.

2. The main feature disclosed by the registered results is a diminished birth and death-rate in both districts and towns as compared with the preceding month. The reduced mortality is attributable to cholera, small-pox and bowel complaints, having been less fatal during the month under notice than in the previous month.

3. The total registered events numbered—births 80,800 and deaths 60,548. Of these, 5,187 of the former and 4,841 of the latter occurred in the Municipalities.

4. The following table shows how the different sexes and several classes of the community were affected:—

	Sexes.			Classes.				Ratio per mille per annum.			
	Males.	Females.	Number of males to every 100 females.	Christians.	Hindus.	Muham-madans.	Total.	Christians.	Hindus.	Muham-madans.	Total.
<i>Districts.</i>											
Births	41,244	39,556	104·2	1,525	74,763	4,512	80,800	28·2	34·8	29·8	34·4
Deaths	31,072	29,476	105·4	899	56,667	2,982	60,548	16·6	26·4	19·7	25·7
<i>Municipalities.</i>											
Births	2,661	2,526	105·3	389	4,062	736	5,187	38·0	32·9	33·8	33·4
Deaths	2,488	2,353	105·7	321	3,808	712	4,841	31·4	30·8	32·7	31·2

5. Proportionally considered with the population embraced by registration, the total births represent a ratio of 34·4 per mille per annum and the total deaths 25·7. The rates in the towns were 33·4 and 31·2, respectively. These results and the actual occurrences, as compared with those of past periods, stand as shown below, and

in the statement subjoined, the mortality rate of the Presidency is compared with those of Bengal, North-West Provinces and Punjab for the same period :—

	Districts.				Municipalities.			
	Births.	Deaths.	Birth-rate.	Death-rate.	Births.	Deaths.	Birth-rate.	Death-rate.
Average of 5 previous Augusts	79,162	51,197	33.9	21.9	5,239	4,588	34.7	30.4
August 1888	76,033	47,080	33.0	20.4	4,942	4,559	31.9	29.4
January 1889	63,441	65,584	27.3	28.2	4,623	6,234	29.8	40.1
February	54,075	46,818	23.5	20.3	4,152	4,959	26.7	31.9
March	63,075	47,780	27.1	20.5	4,791	4,950	30.9	31.9
April	65,941	47,513	28.5	20.6	4,874	4,859	31.4	31.3
May	72,189	50,851	31.3	22.1	5,155	5,342	33.2	34.4
June	73,315	54,216	31.7	23.4	5,091	5,137	32.8	33.1
July	83,539	64,681	35.6	27.6	5,570	5,494	35.9	35.4
August	80,800	60,548	34.4	25.7	5,187	4,841	33.4	31.2

	Death-rate per mille per annum.
Bengal	23.0
North-West Provinces	33.8
Punjab	26.3
Madras	25.7

6. In the tables appended, the birth and death-rates in each district and town are given in the order of sequence. Among the districts, Bellary kept to its position as highest on the list in regard to its birth-rate, 49.9 per mille per annum, and Kurnool 48.9, Chingleput 45.3, Kistna 44.7, Madras (town) 41.3, and Salem 40.0 followed it as in the preceding month. Ganjam as in the preceding month returned the lowest birth-rate 19.7, and highest death-rate 44.8. Next to Ganjam stands Kistna with the highest death-rate 43.5, then Madras 41.7, Bellary 38.5, Godáviri 37.9, Vizagapatam 34.2 and Kurnool 32.2. The high death-rates in Ganjam, Vizagapatam, Godáviri and Kistna are attributable to cholera.

7. Among the towns, Dindigul returned the highest birth-rate 50.7, and Tirupati the lowest, 9.9. The highest death-rate, 62.1, occurred in Vizagapatam, and the lowest in Tirupati, 11.7. Registration is very defective in this town, and the results of the month under notice show no improvement.

8. Registration may be considered to be defective in all those districts and towns in the appended list, which show a birth-rate less than 3.5 per cent. and a death-rate less than 2.5 per cent. per annum of the population :—

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.
Bellary	49.9	Anantapur	35.2	Ganjam	44.8	Salem	21.9
Kurnool	48.9	Coimbatore	34.6	Kistna	43.5	South Canara	21.7
Chingleput	45.3	Tanjore	33.4	Madras	41.7	Tanjore	20.5
Kistna	44.7	Nellore	31.9	Bellary	38.5	Cuddapah	20.4
Madras	41.3	South Canara	31.5	Godáviri	37.9	North Arcot	20.4
Salem	40.0	Tinnevely	30.2	Vizagapatam	34.2	Trichinopoly	19.8
Trichinopoly	37.9	Godáviri	26.8	Kurnool	32.2	Madura	19.4
North Arcot	37.7	Malabar	25.4	Anantapur	27.6	Nellore	19.2
Cuddapah	37.6	Nilgiris	24.1	Chingleput	27.6	Malabar	17.6
South Arcot	37.3	Vizagapatam	23.4	Coimbatore	24.0	Nilgiris	17.0
Madura	35.3	Ganjam	19.7	South Arcot	22.2	Tinnevely	16.9

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.
Dindigul	50.7	Ootacamund	33.0	Vizagapatam	62.1	Ongole	28.0
Bezváda	50.1	Coonoor	32.6	Bezváda	61.6	Srirangam	25.4
Kurnool	48.4	Bimlipatam	32.1	Chicacole	60.3	Coimbatore	25.2
Mangalore	44.8	Guntur	31.7	Rajahmundry	56.6	Ootacamund	25.2
Anantapur	44.0	Vaniyambadi	31.6	Guntur	51.9	Cuddapah	24.6
Walaipet	42.7	Palamcottah	30.7	Anantapur	48.9	Addoni	23.5
Erode	42.5	Nellore	30.5	Ellore	44.9	Karur	23.4
Coimbatore	41.8	Tuticorin	30.2	Erode	42.5	Masulipatam	23.2
Karur	41.7	Ellore	30.1	Madras	41.7	Tuticorin	22.8
Calicut	41.6	Mayavaram	29.6	Bellary	41.3	Vellore	22.8
Madras	41.3	Mannargudi	29.6	Cocanada	40.9	Nellore	22.2
Tirupatúr	41.1	Srirangam	28.5	Mangalore	38.8	Salem	21.7
Salem	40.4	Gudiyatam	28.0	Vaniyambadi	37.6	Chidambaram	20.5
Bellary	39.7	Tellicherry	26.8	Bimlipatam	36.3	Mayavaram	20.3
Ongole	39.1	Kumbakonam	25.3	Coonoor	35.1	Dindigul	20.3
Conjeeveram	38.9	Tanjore	25.2	Kurnool	34.3	Gudiyatam	20.1
Anakapalle	38.6	Vizagapatam	24.9	Palghat	34.2	Walaipet	19.6
Palghat	37.9	Masulipatam	24.9	Calicut	34.0	Parlakimedi	19.5
Rajahmundry	37.5	Vellore	24.9	Berhampore	32.5	Tellicherry	18.5
Addoni	37.4	Cocanada	24.4	Conjeeveram	31.4	Tanjore	18.1
Cochin	37.4	Parlakimedi	23.4	Anakapalle	31.4	Mannargudi	17.9
Cuddapah	37.2	Chicacole	22.9	Vizianagram	30.8	Periyakulam	17.5
Vizianagram	36.6	Chidambaram	21.1	Cochin	30.5	Cannanore	16.8
Periyakulam	35.7	Cannanore	20.0	Kumbakonam	29.2	Nagapatam	16.7
Madura	34.6	Trichinopoly	17.3	Tinnevely	28.9	Palamcottah	15.3
Palni	34.2	Nagapatam	15.8	Palni	28.8	Trichinopoly	15.0
Tinnevely	34.1	Cuddalore	13.7	Madura	28.5	Cuddalore	13.7
Berhampore	34.0	Tirupati	9.9	Tirupatúr	28.5	Tirupati	11.7

9. *Principal Causes of Death.*—In the following table the deaths under the principal specified causes are given, compared with past periods :—

	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injuries.	All other causes.	Total deaths.
<i>Districts.</i>							
August 1888	3,559	1,499	16,292	2,601	970	22,159	47,080
January 1889	10,555	3,089	19,869	3,236	883	27,552	65,584
February	5,050	3,077	15,065	2,176	793	20,557	46,818
March	3,695	4,128	16,283	2,096	949	20,629	47,780
April	5,478	3,749	15,760	1,805	965	19,756	47,513
May	6,365	2,272	16,428	2,237	1,163	22,386	50,851
June	9,734	1,985	17,259	2,428	890	21,920	64,216
July	13,203	1,957	20,187	2,976	937	25,421	64,681
August	7,547	1,746	21,743	2,860	1,034	25,618	60,548
<i>Municipalities.</i>							
August 1888	403	168	927	712	50	2,299	4,569
January 1889	1,082	170	1,171	899	53	2,859	6,234
February	619	193	1,061	618	52	2,416	4,959
March	306	290	1,095	596	55	2,608	4,950
April	500	258	1,036	513	47	3,500	4,859
May	804	183	994	671	68	2,622	5,342
June	746	122	977	767	55	2,470	5,137
July	783	113	1,040	809	57	2,692	5,494
August	222	72	1,085	840	43	2,579	4,841

10. It is satisfactory to note a diminution in the mortality from cholera, small-pox and bowel-complaints compared with the previous month in the districts, and from cholera and small-pox in the towns, considerably so from cholera; but the deaths from fevers are greater.

11. In the following tables the total deaths from each cause in each district and town are given in the order as they occurred from highest to lowest :—

Districts.	Cholera.	Districts.	Small-pox.	Districts.	Fevers.	Districts.	Bowel-complaints.
Godavari ..	1,981	South Arcot ..	293	Vizagapatam ..	2,897	Malabar ..	444
Kistna ..	1,354	Cuddapah ..	185	Ganjam ..	2,037	Chingleput ..	353
Coimbatore ..	744	Ganjam ..	170	Kistna ..	1,834	Madras ..	317
Vizagapatam ..	734	Tanjore ..	156	Malabar ..	1,688	Godavari ..	189
Ganjam ..	701	North Arcot ..	145	Godavari ..	1,598	Coimbatore ..	162
Nellore ..	576	Bellary ..	124	Kurnool ..	1,310	North Arcot ..	139
Salem ..	248	Salem ..	112	Cuddapah ..	1,284	South Canara ..	130
Bellary ..	238	Anantapur ..	75	North Arcot ..	1,271	Tinnevelly ..	114
Madura ..	206	Coimbatore ..	70	Salem ..	1,187	Bellary ..	114
South Arcot ..	185	Madura ..	64	South Arcot ..	1,095	Vizagapatam ..	111
Tanjore ..	139	Chingleput ..	61	Coimbatore ..	1,028	Kistna ..	104
Tinnevelly ..	91	Malabar ..	54	Nellore ..	618	Tanjore ..	100
North Arcot ..	71	Kistna ..	54	Bellary ..	577	Salem ..	84
Chingleput ..	65	Vizagapatam ..	37	Chingleput ..	544	South Arcot ..	81
Anantapur ..	65	Nellore ..	36	South Canara ..	544	Madura ..	73
Trichinopoly ..	63	Trichinopoly ..	31	Madura ..	520	Kurnool ..	72
Malabar ..	40	Godavari ..	30	Trichinopoly ..	468	Ganjam ..	70
Kurnool ..	27	Godavari ..	20	Madras ..	347	Nellore ..	66
Cuddapah ..	15	South Canara ..	14	Tinnevelly ..	346	Cuddapah ..	56
Madras ..	4	Tinnevelly ..	12	Tanjore ..	254	Trichinopoly ..	41
Nilgiris ..	..	Nilgiris ..	3	Anantapur ..	218	Anantapur ..	28
South Canara ..	..	Madras ..	..	Nilgiris ..	82	Nilgiris ..	12

Municipalities.	Cholera.	Municipalities.	Small-pox.	Municipalities.	Fevers.	Municipalities.	Bowel-complaints.
Chicacole ..	32	Kumbakonam ..	17	Madras ..	347	Madras ..	317
Vizagapatam ..	25	Trichinopoly ..	12	Bellary ..	44	Calicut ..	42
Vaniyambadi ..	21	Madura ..	10	Madura ..	38	Vizagapatam ..	37
Guntur ..	20	Chicacole ..	3	Rajahmundry ..	35	Madura ..	34
Erode ..	18	Bezvada ..	3	Madura ..	27	Cocanada ..	33
Conjeevaram ..	16	Chidambaram ..	3	Calicut ..	26	Rajahmundry ..	28
Rajahmundry ..	13	Tanjore ..	3	Palghat ..	26	Mangalore ..	22
Ellore ..	13	Mannargudi ..	3	Vizagapatam ..	25	Tanjore ..	21
Vizagapatam ..	12	Vizagapatam ..	2	Kurnool ..	25	Kumbakonam ..	21
Vizianagrum ..	10	Guntur ..	2	Guntur ..	24	Negapatam ..	19
Parlakimedi ..	9	Ongole ..	2	Vellore ..	24	Chicacole ..	17
Anakapalle ..	6	Conjeevaram ..	2	Ellore ..	20	Conjeevaram ..	17
Cuddalore ..	6	Vellore ..	2	Trichinopoly ..	20	Bezvada ..	16
Bimlipatam ..	4	Tirupatūr ..	2	Vizianagrum ..	19	Coimbatore ..	16
Madras ..	4	Berhampore ..	1	Conjeevaram ..	19	Vellore ..	15
Negapatam ..	3	Rajahmundry ..	1	Cuddapah ..	19	Tinnevelly ..	14
Bellary ..	3	Cuddalore ..	1	Tanjore ..	18	Tuticorin ..	13
Periyakulam ..	2	Bellary ..	1	Kumbakonam ..	17	Cuddalore ..	12
Karur ..	2	Salem ..	1	Vaniyambadi ..	17	Salem ..	12
Cochin ..	2	Ootacamund ..	1	Tirupatūr ..	16	Ellore ..	11
Bezvada ..	1	Parlakimedi ..	..	Mangalore ..	16	Kurnool ..	11
Kurnool ..	1	Bimlipatam ..	..	Chicacole ..	15	Guntur ..	10
Coimbatore ..	1	Anakapalle ..	..	Adoni ..	15	Berhampore ..	9
Berhampore ..	..	Cocanada ..	..	Bezvada ..	14	Bimlipatam ..	9
Cocanada ..	..	Ellore ..	..	Nellore ..	14	Mannargudi ..	8
Nellore ..	..	Masulipatam ..	..	Negapatam ..	14	Bellary ..	8
Ongole ..	..	Guntur ..	..	Berhampore ..	13	Srirangam ..	7
Chidambaram ..	..	Nellore ..	..	Parlakimedi ..	13	Vizianagrum ..	6
Trichinopoly ..	..	Madras ..	..	Cannanore ..	13	Cochin ..	6
Srirangam ..	..	Srirangam ..	..	Coimbatore ..	12	Ongole ..	5
Tanjore ..	..	Máyavaram ..	..	Ootacamund ..	12	Trichinopoly ..	5
Kumbakonam ..	..	Negapatam ..	..	Tellicherry ..	11	Erode ..	5
Máyavaram ..	..	Periyakulam ..	..	Masulipatam ..	10	Tirupatūr ..	4
Mannargudi ..	..	Dindigul ..	..	Cocanada ..	9	Karur ..	4
Madura ..	..	Palni ..	..	Chidambaram ..	9	Palghat ..	4
Dindigul ..	..	Tinnevelly ..	..	Mannargudi ..	9	Periyakulam ..	3
Palni ..	..	Palamcottah ..	..	Cuddalore ..	8	Ootacamund ..	3
Tinnevelly ..	..	Tuticorin ..	..	Tuticorin ..	8	Coonoor ..	3
Palamcottah ..	..	Kurnool ..	..	Tirupati ..	8	Cannanore ..	3
Tuticorin ..	..	Cuddapah ..	..	Máyavaram ..	7	Máyavaram ..	2
Cuddapah ..	..	Adoni ..	..	Anakapalle ..	6	Dindigul ..	2
Adoni ..	..	Anantapur ..	..	Cochin ..	6	Gudiyatam ..	2
Anantapur ..	..	Gudiyatam ..	..	Tinnevelly ..	5	Nellore ..	1
Vellore ..	..	Wárajápet ..	..	Palni ..	4	Anantapur ..	1
Gudiyatam ..	..	Tirupati ..	..	Palamcottah ..	4	Tirupati ..	1
Wárajápet ..	..	Vaniyambadi ..	..	Gudiyatam ..	4	Vaniyambadi ..	1
Tirupati ..	..	Coimbatore ..	..	Srirangam ..	3	Parlakimedi ..	..
Salem ..	..	Erode ..	..	Anantapur ..	3	Anakapalle ..	..
Tirupatūr ..	..	Karur ..	..	Coonoor ..	3	Masulipatam ..	..
Ootacamund ..	..	Coonoor ..	..	Bimlipatam ..	2	Chidambaram ..	..
Coonoor ..	..	Mangalore ..	..	Ongole ..	2	Palni ..	..
Mangalore ..	..	Tellicherry ..	..	Periyakulam ..	2	Cuddapah ..	..
Tellicherry ..	..	Calicut ..	..	Wárajápet ..	2	Adoni ..	..
Calicut ..	..	Palghat ..	..	Erode ..	2	Wárajápet ..	..
Palghat ..	..	Cochin ..	..	Dindigul ..	1	Palamcottah ..	..
Cannanore ..	..	Cannanore ..	..	Karur ..	..	Tellicherry ..	..

12. *Towns of 25,000 inhabitants and upwards.*—The registered events in these towns (Ootacamund included) in a population of 906,380 amounted in August to 2,247 births and 2,079 deaths, yielding ratios of 29.7 and 27.5 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 ..	34.7	21.2
First-class towns of Bengal ..	24.8	31.6
Do. of Madras ..	29.7	27.5

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

	Population.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injuries.	All other causes.	Total deaths.	Total births.
Trichinopoly ..	84,449	..	12	20	5	1	68	106	122
Madura ..	76,847	..	10	27	34	3	109	183	221
Salem ..	59,631	..	1	38	12	1	56	108	201
Calicut ..	57,085	..	..	26	42	1	93	162	198
Tanjore ..	54,745	..	3	18	21	..	41	83	115
Negapatam ..	53,776	3	..	14	19	..	39	75	71
Bellary ..	53,460	3	1	44	8	..	128	184	177
Kumbakonam ..	50,098	..	17	17	21	..	67	122	106
Cuddalore ..	43,545	5	1	8	12	..	24	50	50
Vellore ..	40,958	..	2	24	15	1	36	78	85
Coimbatore ..	38,967	1	..	12	16	1	52	82	136
Conjeevaram ..	37,275	16	2	19	17	3	44	101	121
Palghat ..	36,339	..	..	26	4	..	74	104	115
Masulipatam ..	35,056	12	..	10	..	..	46	68	73
Mangalore ..	32,099	..	..	16	22	2	64	104	120
Cocanada ..	30,291	..	9	33	1	1	61	104	62
Vizagapatam ..	30,441	25	2	25	37	..	68	157	63
Nellore ..	27,505	..	..	14	1	1	35	51	70
Cannanore ..	26,386	..	..	13	3	..	21	37	44
Ellore ..	25,092	13	..	20	11	..	50	94	63
Ootacamund ..	12,335	..	1	12	3	..	10	26	34
Total ..	906,380	78	52	412	336	15	1,186	2,079	2,247

ORDER—dated 7th December 1889, No. 1007, Public.

Recorded.

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

(True Extract.)

J. F. PRICE,
Chief Secretary.

To the Revenue Department.

Board of Revenue.

Surgeon-General with the Government of Madras.

Sanitary Commissioner for Madras.

Exd. W. H. French.

RETURN showing the BIRTHS and DEATHS registered in the MUNICIPALITIES of the MADRAS PRESIDENCY during the month of August 1889.

Districts.	Municipal Towns.	Popula- tion, Census of 1881.	BIRTHS.						DEATHS.																								Still birth or Born dead.	RATIO PER MILLE PER ANNUM.		AVERAGE RATIO OF PREVIOUS FIVE YEARS ENDING 1888.		
			CLASS.				TOTAL BIRTHS.	CLASS.				TOTAL DEATHS.	CAUSES OF DEATH.																		Total Births.	Total Deaths.		Births.	Deaths.			
			Christians.	Hindus.	Muhammadians.	Other Classes.		Christians.	Hindus.	Muhammadians.	Other Classes.		M.	F.	Total.	M.	F.	Total.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injuries.													All other Causes.		
																							Suicides.	Wounds or Accidents.	Snake-bite.	Killed by Wild Beasts.	M.	F.	M.	F.							M.	F.
Ganjam.	Chicacole	18,302	..	32	3	..	12	23	35	..	86	6	..	43	49	92	16	16	..	3	6	9	7	10	..	..	..	..	..	..	14	11	..	1	22.9	60.3	27.5	23.9
	Berhampore	23,599	2	59	6	..	47	20	67	1	60	3	..	35	29	64	..	..	..	1	8	5	5	4	..	..	..	..	..	..	22	19	..	2	34.0	32.5	31.1	36.6
	Parlakimedi	15,365	..	30	..	..	16	14	30	..	24	1	..	17	8	25	5	4	..	..	9	4	..	..	..	1	..	..	..	..	2	..	..	23.4	19.5	17.1	13.2	
Vizaga- patam.	Vizagapatam	30,291	1	61	1	..	31	32	63	4	144	9	..	90	67	157	12	13	1	1	16	9	19	18	..	..	..	..	..	..	42	26	..	..	24.9	62.1	31.2	30.4
	Bimlipatam	8,582	1	22	..	..	15	8	23	1	25	..	..	14	12	26	2	2	..	..	2	6	3	..	..	..	..	..	..	6	5	1	2	32.1	36.3	46.7	31.6	
	Vizianagrum	22,577	..	67	2	..	32	37	69	..	56	2	..	27	31	58	5	5	1	1	8	11	4	2	..	..	1	..	..	8	12	..	..	36.6	30.8	34.3	28.5	
Goda- vari.	Anakapalle	13,341	..	41	2	..	20	23	43	..	35	..	..	17	18	35	2	3	..	..	4	2	..	..	..	..	1	..	..	10	13	..	..	38.6	31.4	41.6	22.4	
	Cocanada	30,441	3	59	..	..	29	33	62	1	99	4	..	58	46	104	..	..	..	..	4	5	17	16	..	..	..	1	..	..	37	24	..	..	24.4	40.9	23.2	29.8
	Rajahmundry	24,555	..	74	2	..	42	34	76	1	107	8	..	64	52	116	7	6	1	..	20	15	13	15	..	..	1	1	..	..	22	15	..	3	37.5	56.6	26.8	25.5
Kistna..	Ellore	25,092	..	59	4	..	33	30	63	2	63	29	..	47	47	94	9	4	..	..	7	13	7	4	..	..	..	..	..	..	24	26	..	..	30.1	44.9	29.4	32.9
	Masulipatam	35,056	..	64	9	..	43	30	73	..	62	6	..	39	29	68	5	7	..	..	5	5	..	..	..	..	..	..	..	..	29	17	..	..	24.9	23.2	26.6	17.9
	Guntur	19,646	1	39	12	..	29	23	52	..	72	13	..	39	46	85	9	11	..	9	15	5	5	1	1	2	4	..	..	..	13	10	1	4	31.7	51.9	35.0	32.8
Nellore.	Bezvada	9,336	1	36	2	..	23	16	39	..	44	4	..	23	25	48	1	..	2	1	8	6	5	11	..	..	..	..	..	..	7	7	1	..	50.1	61.6	..	..
	Nellore	27,505	5	50	15	..	35	35	70	1	39	11	..	29	22	51	..	..	..	9	5	1	..	..	..	1	..	..	..	..	18	17	3	2	30.5	22.2	24.6	26.8
	Ongole	9,200	4	22	4	..	18	12	30	3	15	2	..	14	6	20	..	..	1	1	1	1	4	1	..	..	2	..	..	..	6	3	2	1	39.1	26.0	51.5	30.7
Madras ..	Madras	405,848	132	1,120	146	..	716	682	1,398	128	1,101	182	..	679	732	1,411	2	2	..	..	145	202	151	166	1	..	6	2	..	..	374	360	29	15	41.3	41.7	43.2	40.5
Chingle- put.	Conjeeveram	37,275	..	117	4	..	52	69	121	..	100	1	..	51	50	101	8	8	1	1	10	9	9	8	1	1	1	..	..	..	21	23	2	2	38.9	32.5	50.2	36.8
South Arcot.	Cuddalore	43,545	1	46	3	..	27	23	50	..	47	3	..	22	28	50	2	3	..	1	5	3	6	6	..	..	..	..	..	..	9	15	..	..	13.7	13.7	27.6	17.3
	Chidambaram	19,837	..	34	1	..	19	16	35	..	34	..	..	13	21	34	..	..	1	2	6	3	..	..	..	..	..	..	..	..	6	16	..	..	21.1	20.5	23.4	19.6
	Trichinopoly	84,449	13	94	15	..	61	61	122	11	83	12	..	59	47	106	..	..	5	7	10	10	1	4	..	..	1	..	..	..	42	26	1	..	17.3	15.0	20.2	19.7
Tanjore.	Srirangam	19,773	1	46	..	..	24	23	47	..	42	..	..	19	23	42	..	..	..	..	1	2	2	5	..	..	..	..	..	..	16	16	..	1	28.5	25.4	30.9	29.7
	Tanjore	54,745	8	104	3	..	68	47	115	4	78	1	..	42	41	83	..	..	1	2	9	9	11	10	..	..	..	..	..	..	21	20	1	1	25.2	18.1	27.2	20.2
	Kumbakonam	50,098	5	100	1	..	43	63	106	2	119	1	..	62	60	122	..	..	6	11	8	9	15	6	..	..	..	..	..	..	33	34	3	9	25.3	29.2	29.2	28.1
Madura.	Mayavaram	23,044	2	54	1	..	30	27	57	1	39	..	..	22	17	39	..	..	..	4	3	2	..	..	..	1	..	..	..	..	15	14	1	2	29.6	20.3	26.5	23.6
	Negapatam	53,776	11	45	15	..	35	36	71	9	50	16	..	39	36	75	3	..	..	7	7	10	9	..	..	..	..	..	..	..	19	20	3	1	15.8	16.7	23.2	30.8
	Mannargudi	19,409	1	46	1	..	18	20	48	..	28	1	..	14	15	29	..	..	2	1	6	3	1	7	..	..	..	..	..	..	5	4	1	1	29.6	17.9	35.9	36.0
Tinne- velly.	Madura	76,847	9	195	17	..	120	101	221	3	161	19	..	96	87	183	..	..	3	7	14	13	15	19	1	..	1	..	..	61	48	7	7	34.5	28.5	39.6	30.4	
	Periyakulam	16,446	1	47	1	..	25	24	49	1	23	..	..	14	10	24	1	1	..	..	2	..	1	2	..	..	..	..	..	..	10	7	1	4	35.7	17.5	30.6	21.1
	Dindigul	14,182	11	38	11	..	25	35	60	3	19	2	..	10	14	24	..	..	..	..	1	1	1	..	..	..	..	..	..	..	9	12	1	..	50.7	20.3	43.4	42.5
Kurnool ..	Palni	13,315	..	35	3	..	17	21	38	..	31	1	..	17	15	32	..	..	..	..	1	3	..	..	..	1	..	..	..	..	15	12	..	..	34.2	28.8	25.2	21.6
	Tinnevelly	23,221	4	59	3	..	37	29	66	..	51	5	..	28	28	56	..	..	..	2	3	10	4	..	..	..	..	..	..	..	16	21	1	..	34.1	28.0	27.6	25.7
	Palamcottah	17,964	5	38	3	..	21	25	46	4	18	1	..	13	10	23	..	..	..	2	2	..	..	..	..	..	..	..	..	..	11	8	2	1	30.7	15.3	33.0	23.0
Cuddapah.	Tuticorin	16,281	13	25	3	..	28	13	41	12	16	3	..	20	11	31	..	..	..	6	2	8	5	..	..	..	..	..	..	..	6	4	..	..	30.2	22.8	39.4	24.7
	Kurnool	20,329	..	39	43	..	48	34	82	3	23	32	..	29	29	58	1	..	..	..	13	12	3	8	..	..	..	..	..									

SANITARY COMMISSIONER.

Return showing the Births and Deaths in the Districts of the Madras Presidency during the month of August 1889.

Population according to Census of 1881.	District.	Population from which Returns were received.	BIRTHS.					DEATHS.					CAUSES OF DEATH.				
			CLASS.					CLASS.									
			Christians.	Hindus.	Muham- madans.	Other Classes.	TOTAL BIRTHS. †		Christians.	Hindus.	Muham- madans.	Other Classes.		TOTAL DEATHS. †			
							Males.	Females.						Males.	Females.		
1,749,604*	Ganjam ..	1,039,515	2	1,699	9	..	877	833	1,710	1	3,871	10	2,076	1,806	3,882	359	342
2,485,141*	Vizagapatam.	1,439,143	8	2,799	7	..	1,423	1,386	2,809	10	4,080	15	2,155	1,950	4,105	431	313
1,791,512*	Godavari ..	1,791,512	8	3,940	53	..	2,084	1,917	4,001	16	5,548	105	2,870	2,799	5,669	1,018	983
1,548,480	Kistna ..	1,548,480	87	5,396	289	..	2,942	2,832	5,774	54	5,398	168	2,797	2,823	5,620	654	700
1,220,236	Nellore ..	1,220,236	16	3,141	89	..	1,695	1,551	3,246	18	1,813	121	1,026	926	1,952	303	273
405,848	Madras ..	405,848	132	1,120	146	..	716	682	1,398	128	1,101	182	679	732	1,411	2	2
981,381	Chingleput ..	981,381	29	3,639	37	..	1,946	1,759	3,705	24	2,187	39	1,168	1,082	2,250	33	32
1,814,738	South Arcot..	1,816,375	91	5,451	111	..	2,857	2,796	5,653	36	3,268	70	1,780	1,594	3,374	105	80
1,215,033	Tirichinopoly.	1,215,033	144	3,617	53	..	1,963	1,881	3,844	68	1,906	32	1,009	997	2,006	32	81
2,130,383	Tanjore ..	2,130,383	200	5,509	224	..	3,092	2,841	5,933	73	3,428	143	1,886	1,758	3,644	70	69
2,168,680	Madura ..	1,294,382	91	3,567	151	..	1,965	1,844	3,809	32	1,977	89	1,064	1,034	2,098	116	90
1,699,747	Tinnevelly ..	1,699,747	279	3,779	219	..	2,128	2,149	4,277	141	2,136	130	1,270	1,137	2,407	48	43
709,305	Kurnool ..	678,551	30	2,455	250	..	1,493	1,272	2,765	20	1,635	164	964	855	1,819	13	14
1,121,038	Cuddapah ..	1,121,038	22	3,122	363	..	1,798	1,709	3,507	11	1,784	117	920	992	1,912	9	6
736,807	Bellary ..	736,807	11	2,737	322	..	1,596	1,474	3,070	16	2,155	196	1,160	1,207	2,367	121	117
599,889	Anantapur ..	599,889	1	1,642	116	..	858	901	1,759	5	1,301	74	683	697	1,380	34	31
1,817,814	North Arcot..	1,822,873	14	5,565	161	..	2,840	2,900	5,740	7	3,010	83	1,500	1,600	3,100	39	32
1,599,595	Salem ..	1,592,899	21	5,168	124	..	2,673	2,640	5,313	10	2,796	104	1,430	1,420	2,910	138	110
1,657,690	Coimbatore ..	1,657,690	33	4,677	83	..	2,421	2,372	4,793	10	3,253	55	1,725	1,593	3,318	418	326
91,034	Nilgiris ..	91,034	27	152	4	..	94	89	183	19	104	6	64	65	129	..	..
959,514	South Canara.	955,842	175	2,128	213	..	1,265	1,251	2,516	111	1,460	158	926	803	1,729	..	..
2,365,035	Malabar ..	2,354,234	109	3,398	1,488	..	2,518	2,477	4,995	89	2,456	921	1,860	1,606	3,466	18	22
30,868,504	Total ..	28,192,892	1,525	74,763	4,512	..	41,244	39,556	80,800	899	56,567	2,982	31,072	29,476	60,548	3,951	3,596

* Including the Hill Tracts.

† Inclusive of 23 Europeans and 86 Eurasians, but exclusive of 1,161 still-births.

‡ Inclusive of 29 Europeans and 52 Eurasians, but exclusive of 1,161 born dead.

[Continued on next page.]

Dated

188 , No.

Return showing the Births and Deaths in the Districts of the Madras Presidency during the month of August 1889—cont.

Population according to Census of 1881.		District.	Population from which Returns were received.	DEATHS—cont.																RATIO PER 1,000 OF POPULATION PER ANNUM.		AVERAGE RATIO PER 1,000 OF POPULATION FOR PREVIOUS FIVE YEARS ENDING 1888.		
				CAUSES OF DEATH—cont.																Still birth or Born dead.	Deaths.	Births.	Deaths.	Births.
				Small-pox.		Fevers.		Bowel-complaints.		Injuries.						All other Causes.								
										Suicides.		Wounds or Accidents.		Snake-bite.										
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			
1,749,604	83	87	1,116	921	44	26	3	3	15	3	3	3	3	3	3	3	3	3	3	3	3			
2,485,141	16	20	1,495	1,402	57	54	1	3	21	20	9	9	9	9	9	9	9	9	9	9	9			
1,791,512	10	10	792	804	97	92	3	8	12	9	9	9	9	9	9	9	9	9	9	9	9			
1,548,480	20	17	922	912	50	54	8	7	23	24	5	5	5	5	5	5	5	5	5	5	5			
1,220,236	14	17	318	300	40	26	19	18	21	21	21	21	21	21	21	21	21	21	21	21	21			
405,848	..	..	145	202	151	166	1	..	6	2	..	..	..	..	..	..	..	..	..	..	..			
981,381	31	23	277	267	198	155	2	6	10	6	7	7	7	7	7	7	7	7	7	7	7			
1,814,738	142	151	568	527	54	27	1	1	20	15	20	11	11	11	11	11	11	11	11	11	11			
1,215,033	14	16	239	229	18	23	3	2	8	9	12	8	1	1	1	1	1	1	1	1	1			
2,130,383	81	75	121	133	56	44	2	..	17	12	14	12	..	..	..	..	..	..	..	..	..			
2,188,680	24	37	276	244	37	36	3	7	19	16	6	6	1	1	1	1	1	1	1	1	1			
1,699,747	6	6	168	178	72	42	1	8	23	20	3	4	..	..	..	..	..	..	..	..	..			
709,305	39	31	688	622	38	34	1	2	2	4	1	4	..	..	..	..	..	..	..	..	..			
1,121,038	97	88	593	691	33	23	4	8	13	21	7	9	..	..	..	..	..	..	..	..	..			
736,807	52	72	273	304	62	52	2	6	5	3	4	1	..	..	..	..	..	..	..	..	..			
599,889	28	47	110	108	15	13	1	3	6	10	1	3	1	1	1	1	1	1	1	1	1			
1,817,814	78	67	598	673	72	67	8	17	17	27	3	5	..	..	..	..	..	..	..	..	..			
1,599,595	53	59	577	610	53	31	4	2	12	18	13	12	..	..	..	..	..	..	..	..	..			
1,657,690	37	27	544	482	90	72	5	8	11	15	9	2	1	1	1	1	1	1	1	1	1			
91,034	..	..	36	46	8	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
959,514	8	6	294	250	75	55	7	6	14	13	3	4	..	..	..	..	..	..	..	..	..			
2,365,035	31	23	914	774	228	216	3	..	25	23	9	3	..	..	..	..	..	..	..	..	..			
30,868,504	866	880	11,064	10,679	1,548	1,312	82	115	300	291	138	102	4	2	13,119	12,499	633	528	34.4	25.7	33.9			

Office of Sanitary Commissioner, Madras, 3rd December 1889.

GEO. DIQUE, Manager and Assistant, for Secy. Commr. for Madras.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

letter from the Sanitary Commissioner, dated 29th Nov: 89 No. 1941.

ORDER THEREON, 27. 12. 89 No 1007

Recorded.

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

To the Revenue Department.

„ Board of Revenue.

„ Surgeon-General with the Government of Madras.

„ Sanitary Commissioner.

H. E.

PUBLIC DEPARTMENT.

(Sanitary).

No. 1008 of 1889.

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. 1007 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

August 1889.

2. The statistics are annexed.

Chief Secretary.

Public Department

Sanitary Commissioner

Sanitary Commissioner for Madras

Sanitary Commissioner for Madras

Sanitary Commissioner for Madras

Sanitary Commissioner for Madras

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Sanitary Commissioner for Madras

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Sanitary Commissioner for Madras

Sanitary Commissioner for Madras

Sanitary Commissioner for Madras

Submit Vital Statistical Report on the districts and Municipalities of the Madras Presidency for the month of August 1889.

	Population	Cholera	Small-pox	Fever	Bowel Com-plaints	Dysentery	All other causes	Total deaths	Total births
Tirichinopoly	84449	.	12	20	5	1	68	106	122
Madurai	76847	.	10	27	34	3	107	183	221
Salem	59631	.	1	38	12	1	56	108	201
Chennai	57095	.	.	26	42	1	93	162	198
Tanjore	54765	.	3	18	21	.	41	83	115
Mysore	53777	3	.	14	19	.	39	75	71
Belary	53460	3	1	44	8	.	128	184	177
Kumbakonam	50098	.	17	17	21	.	67	122	106
Chennai	45195	5	1	8	12	.	24	50	50
Vellore	40958	.	2	24	15	1	36	78	85
Coimbatore	38967	1	.	12	16	1	52	82	136
Chennai	37275	16	2	19	17	3	44	101	121
Pondicherry	36332	.	.	26	4	.	74	104	115
Chennai	35056	12	.	10	.	.	46	58	78
Mangalore	32077	.	.	16	22	2	64	104	120
Coimbatore	30441	.	.	9	33	1	61	104	62
Vizagapatnam	30291	25	2	25	37	.	68	157	63
Vellore	27505	.	.	14	1	1	35	51	70
Bannur	26386	.	.	13	3	.	21	37	44
Chennai	25092	13	.	20	11	.	50	94	63
Chennai	12335	.	1	12	3	.	10	26	34
Total	906380	78	52	412	336	15	106	2079	2267

I have the honor to be

Sir

Your most obedient servant

Jas. Anderson Rennie
Surgeon Major
Sanitary Commissioner for
Madras

12. Towns of 25000 inhabitants and

upwards The registered events in these

towns (Chennai and included) in a population of 906380 amounted in August to 2247 births and 2079 deaths yielding ratios of 29.7 and 27.5 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	36.7	24.5
First class towns of Bengal	24.2	21.5
Chennai of Madras	29.7	27.5

The following table gives particulars for each of the towns.

Municipalities	Cholera	Municipalities	Small-pox	Municipalities	Fever	Municipalities	Small-pox & Plague
Chicacole	32	Kumbakonam	17	Madras	347	Madras	37
Vizagapatam	25	Trichinopoly	12	Bellary	44	Bellary	42
Venugambade	21	Madura	10	Salem	38	Vizagapatam	37
Quintur	20	Chicacole	5	Rajahmundry	35	Madura	34
Erode	18	Raynada	3	Madura	27	Coimbatore	33
Coimbatore	16	Chellumbarum	3	Bellary	26	Rajahmundry	28
Rajahmundry	13	Tanjore	3	Palghat	26	Changanacherry	22
Chellore	13	Mannargudi	3	Vizagapatam	25	Tanjore	21
Maunipatam	12	Vizagapatam	2	Kumoor	25	Kumbakonam	21
Vizianagaram	10	Vizianagaram	2	Quintur	24	Vizagapatam	19
Parlakimedi	9	Angola	2	Vellore	24	Chicacole	17
Anakapalle	8	Anguram	2	Chellore	23	Coimbatore	17
Buddalore	5	Vellore	2	Trichinopoly	20	Raynada	16
Bunipatam	4	Tripattur	2	Vizianagaram	19	Coimbatore	16
Madras	4	Raynada	1	Coimbatore	19	Vellore	15
Vizagapatam	3	Rajahmundry	1	Buddalore	19	Tiruvelli	14
Bellary	3	Buddalore	1	Tanjore	19	Inticorum	13
Raynada	2	Bellary	1	Kumbakonam	17	Buddalore	12
Karur	2	Madras	1	Tanjambadi	17	Madras	12
Coimbatore	2	Coimbatore	1	Tripattur	16	Chellore	10
Raynada	1	Parlakimedi	1	Changanacherry	16	Kumoor	9
Kumoor	1	Bunipatam	1	Chicacole	15	Quintur	9
Coimbatore	1	Anakapalle	1	Madras	14	Raynada	9
Coimbatore	1	Chellore	1	Raynada	14	Bunipatam	9
Vellore	1	Maunipatam	1	Chellore	14	Mannargudi	8
Angola	1	Quintur	1	Bellary	13	Bellary	8
Chellumbarum	1	Vellore	1	Srirangam	13	Vizianagaram	7
Trichinopoly	1	Madras	1	Vizianagaram	13	Chellore	6
Srirangam	1	Tanjambadi	1	Chellore	12	Angola	5
Tanjore	1	Raynada	1	Trichinopoly	12	Trichinopoly	5
Kumbakonam	1	Changanacherry	1	Erode	11	Erode	5
Changanacherry	1	Maunipatam	1	Tripattur	10	Tripattur	4
Mannargudi	1	Anakapalle	1	Karur	9	Karur	4
Madura	1	Palni	1	Palghat	9	Palghat	4
Buddalore	1	Tanjambadi	1	Raynada	9	Raynada	4
Palni	1	Inticorum	1	Chellore	8	Chellore	3
Tiruvelli	1	Kumoor	1	Tripattur	8	Kumoor	3
Palakurthi	1	Buddalore	1	Mayavaram	8	Mayavaram	3
Inticorum	1	Anakapalle	1	Anakapalle	7	Anakapalle	2
Kumoor	1	Chellore	1	Chellore	7	Chellore	2
Buddalore	1	Quintur	1	Buddalore	7	Buddalore	2
Anantapur	1	Vizagapatam	1	Tiruvelli	6	Tiruvelli	2
Vellore	1	Tripattur	1	Palni	5	Palni	1
Vizagapatam	1	Raynada	1	Palakurthi	4	Palakurthi	1
Raynada	1	Coimbatore	1	Palakurthi	4	Palakurthi	1
Salem	1	Erode	1	Amantapur	3	Amantapur	1
Tripattur	1	Karur	1	Coimbatore	3	Coimbatore	1
Coimbatore	1	Changanacherry	1	Bunipatam	2	Bunipatam	1
Changanacherry	1	Mannargudi	1	Angola	2	Angola	1
Bellary	1	Palghat	1	Palni	2	Palni	1
Palghat	1	Coimbatore	1	Buddalore	2	Buddalore	1
Coimbatore	1	Coimbatore	1	Palakurthi	1	Palakurthi	1

the districts and from cholera and small-pox in the towns, considerably as from cholera, but the deaths from fever are greater.

II. In the following tables the total deaths from each cause in each district and town are given in the order as they occurred from highest to lowest.

Districts	Deaths	Districts	Deaths	Districts	Deaths	Districts	Deaths
Madras	293	Vizagapatam	287	Malabar	40		
Kerala	285	Gangam	284	Chinglaput	38		
Coimbatore	270	Kistna	184	Madras	37		
Vizagapatam	156	Malabar	168	Godavari	13		
Gangam	145	Godavari	134	North Arcot	13		
Madras	126	Kumoor	124	South Canara	13		
Salem	112	Buddalore	124	Kumbakonam	11		
Bellary	75	North Arcot	121	Tiruvelli	11		
Madura	70	Salem	108	Bellary	11		
South Arcot	64	South Arcot	107	Vizagapatam	11		
Tanjore	61	Coimbatore	102	Kistna	10		
Tiruvelli	54	Madras	62	Tanjore	10		
North Arcot	54	Bellary	57	Salem	8		
Chinglaput	65	Kistna	37	Chinglaput	8		
Amantapur	65	Vizagapatam	36	South Canara	8		
Trichinopoly	63	Chellore	31	Madura	7		
Malabar	40	Trichinopoly	30	Kumoor	7		
Kumoor	37	Godavari	20	Madras	6		
Buddalore	15	South Canara	14	Tiruvelli	5		
Madras	14	Tiruvelli	12	Tanjore	5		
Kilgiris	3	Amantapur	218	Amantapur	28		
South Canara	82	Kilgiris	12	Kilgiris	12		

9. Principal causes of death. In the following table the deaths under the principal specified causes are given compared with past periods.

	Cholera	Small-pox	Fever	Acute inflammation	Dysentery	Other causes	Total deaths
<u>District</u>							
August 1888	3559	1499	46292	2601	970	22189	47080
January 1889	10525	3089	19209	3236	883	27952	65594
February	5050	3077	15088	2176	798	20687	46818
March	3695	4128	16283	2076	769	20629	47780
April	5478	3749	15760	1805	765	19756	47513
May	6365	2272	16428	2237	1163	22386	50351
June	9734	1985	17259	2428	770	21920	54216
July	13203	11957	20187	1970	987	25421	60685
August	7547	1746	21743	2264	1074	25618	60092
<u>Municipalities</u>							
August 1888	403	168	327	110	50	2299	4557
January 1889	1082	170	1171	392	108	2257	6234
February	619	193	1068	182	52	2416	4959
March	306	290	1092	576	55	2608	4959
April	500	258	1031	812	67	2500	4857
May	804	183	774	671	88	2622	5342
June	746	122	777	707	72	2478	5157
July	783	113	1040	807	77	2692	5994
August	222	72	1001	540	83	2577	4861

10. It is satisfactory to note a diminution in the mortality from cholera, small-pox and diphtheria compared with the previous month in the

Municipalities	Deaths per mille	Municipalities	Deaths per mille
Beindigul	50.7	Vizagapatam	62.1
Benavada	50.1	Benavada	61.6
Karnool	48.4	Chitradurga	60.8
Changabore	44.8	Rajahmundry	56.6
Amantapur	44.0	Guntur	51.9
Wajahapet	42.7	Amantapur	48.9
Conode	42.5	Ellore	44.9
Coimbatore	41.8	Conode	42.5
Karur	41.7	Madras	41.7
Calicut	41.6	Bellary	41.3
Madras	41.3	Kocanada	40.9
Tirupattur	41.1	Changabore	38.8
Salem	40.4	Vaizavabade	37.6
Bellary	39.7	Pimpipalain	36.3
Angole	39.1	Goanor	35.1
Conjiveram	38.9	Patghate	34.3
Anakapalle	38.6	Kurnool	34.2
Patghate	37.9	Calicut	34.0
Rajahmundry	37.8	Barhampur	32.5
Adoni	37.4	Conjiveram	32.5
Cochin	37.4	Anakapalle	31.4
Chandapali	37.2	Vijaynagar	30.8
Vijaynagar	36.6	Cochin	30.5
Perrakulam	35.7	Kumbakonam	29.2
Madura	34.5	Tirunelveli	28.9
Palni	34.2	Palni	28.8
Tirunelveli	34.1	Madura	28.5
Barhampur	34.0	Tirupattur	28.5
Chitradurga	33.0	Angole	26.0
Goanor	32.8	Tirunagar	25.4
Pimpipalain	32.1	Coimbatore	25.2
Guntur	31.7	Chitradurga	25.2
Vaizavabade	31.6	Chandapali	24.6
Palani-cottah	30.7	Adoni	23.5
Kelase	30.5	Karur	23.4
Patghate	30.2	Chandapali	23.2
Ellore	30.1	Tirunelveli	22.8
Mayavaram	29.6	Tirunelveli	22.8
Changabore	29.6	Tirunelveli	22.2
Tirunagar	28.5	Tirunelveli	21.7
Chandapali	28.2	Chitradurga	20.3
Chitradurga	26.8	Mayavaram	20.3
Beindigul	26.3	Beindigul	20.4
Chandapali	25.2	Chandapali	19.6
Wajahapet	24.9	Chitradurga	19.6
Chitradurga	24.9	Chitradurga	18.1
Chitradurga	24.4	Chitradurga	18.1
Chitradurga	24.4	Chitradurga	17.9
Chitradurga	22.9	Chitradurga	17.3
Chitradurga	21.1	Chitradurga	16.8
Chitradurga	17.3	Chitradurga	16.7
Chitradurga	15.8	Chitradurga	15.3
Chitradurga	13.7	Chitradurga	15.0
Chitradurga	9.9	Chitradurga	11.8

the highest birth rate, 50.7, and Tirupate the lowest 9.9. The highest death rate 42.1 occurred in Vizagapatam and the lowest in Tirupate 11.7. Registration is very defective in this town and the results of the month under notice show no improvement.

8. Registration may be considered to be defective in all those districts and towns, in the appended list, which show a birth rate less than 3.5 percent and a death rate less than 2.5 percent per annum of the population.

Districts	Birth rate per mille per annum	Districts	Death rate per mille per annum
Bellary	49.9	Gangam	40.8
Kurnool	48.9	Kistna	43.5
Chingoleput	45.3	Madras	41.3
Kistna	44.7	Bellary	38.5
Madras	40.0	Godavari	37.9
Saleem	37.9	Vizagapatam	34.2
Trichinopoly	37.7	Kurnool	32.2
North Arcot	37.7	Manitapur	32.2
Chingoleput	37.7	Chingoleput	32.2
South Arcot	37.7	Bombay	32.2
Madras	37.7	South Arcot	32.2
Manitapur	37.7	Saleem	32.2
Bombay	37.7	South Canara	32.2
Gangam	37.7	Gangam	32.2
Kistna	37.7	Chingoleput	32.2
South Canara	37.7	North Arcot	32.2
Tirunelveli	37.7	Trichinopoly	32.2
Godavari	37.7	Madras	32.2
Malabar	37.7	Kistna	32.2
Kilgiris	37.7	Malabar	32.2
Vizagapatam	37.7	Kilgiris	32.2
Gangam	37.7	Tirunelveli	32.2

6. In the tables appended the birth and death rates in each district and town are given in the order of sequence. Among the districts Bellary kept its position as highest in the list in regard to its birth rate 49.9 per mille per annum, and Kurnool, 48.9, Chingoleput, 45.3, Kistna 44.7, Madras (town) 41.3 and Saleem 40.0, followed it as in the preceding month. Gangam as in the preceding month returned the lowest birth rate 19.7 and the highest death rate 44.8. Next to Gangam stands Kistna with the highest death rate 43.5, then Madras 41.3, Bellary 38.5, Godavari 37.9, Vizagapatam 34.2 and Kurnool 32.2. The high death rates in Gangam, Vizagapatam, Godavari and Kistna are attributable to cholera.

7. Among the towns Dindigul returned the

per mille per annum and the total deaths 25.7. The rates in the towns were 33.4 and 31.2 respectively. These results and the actual occurrences as compared with those of past years stand as shown below and in the statements subjoined the mortality rate of the Presidency is compared with those of Bengal, North-west Provinces and Punjab for the same period.

	Districts				Municipalities			
	Births	Deaths	Birth rate	Death rate	Births	Deaths	Birth rate	Death rate
Average of 5 previous years	79162	51197	33.9	21.9	5237	4588	34.7	30.4
August 1888	76133	47080	32.1	20.4	4742	4859	31.9	29.4
January 1889	63441	65584	27.3	28.2	4623	6234	27.8	40.1
February	54075	46818	23.5	20.3	4153	4957	26.7	31.9
March	63075	47780	27.1	20.5	4791	4750	30.9	24.9
April	65961	47573	28.5	20.5	4874	4859	31.6	26.7
May	72189	52851	31.3	22.1	5755	5342	33.0	26.6
June	73315	54216	31.7	23.6	5091	5137	32.0	23.4
July	83539	64681	35.1	27.6	5570	5494	35.2	30.4
August	80800	40598	34.4	25.7	4787	4801	33.4	31.2

	Death rate per mille per annum
Bengal	25.7
North-west Provinces	33.8
Punjab	26.3
Madras	25.7

mortality is attributable to cholera, small-pox and bowel complaints having been less fatal during the month under notice than in the previous months.

3. The total registered events numbered, births 80,800 and deaths 10,542. Of these 5,787 of the former and 4,091 of the latter occurred in the municipalities.

4. The following table shows how the different sexes and several classes of the community were affected.

	Sexes				Castes				Ratio per mille per annum			
	Male	Female	Total	Rate	Christian	Hindoo	Muslim	Other	Christian	Hindoo	Muslim	Other
Districts												
Births	41244	37551	78795	106.2	1525	34763	46712	80800	23.2	34.8	27.0	26.4
Deaths	31071	27471	58542	76.4	899	56667	2902	4568	16.6	26.4	17.7	20.7
Municipalities												
Births	2211	2246	4457	105.3	389	4012	736	5187	28.0	32.9	33.8	33.4
Deaths	2489	2253	4742	105.7	321	3808	712	4841	31.4	30.8	32.7	31.2

5. Proportionally considered with the population embraced by registration the total births represent a ratio of 34.4 per

C. No 3782

No 1941

Office of Sanitary Commission

Camp Kumbakonam 29th December

Dec 3rd December 1889

From

Surgeon Major J. A. Langford

Sanitary Commission for Madras

Sanitary Commission for Madras

The Chief Secretary to Government

Public Department

Sir.

I have the honor to submit
for the information of your department
and publication in the Madras

Government Gazette the usual abstract

statements of births, marriages, deaths

in the districts and municipalities

of the Madras Presidency for the

month of August 1889

The Registrar General has

by the registered results is a decrease

in the birth and death rate in all

districts and towns as compared with

the preceding month. The reduced

mortality

Cal 1007 87/12/89

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