

- (1) பக்கங்களின் எண்ணிக்கை 16-30
(2) புதுக்கித் திருப்பிய நாள்
(3) ஆதாரக் குறிப்பவர் சுருக்கொய்ச்சு

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பிழை

அரசாணை எண். 100-101 மு. கோப்புத் தாள் எண்.	அச்சம் பலவகை
நாள் : 29-1-1889	1889

மடிக்கலோ தண்டபடி கையாளலோ கூடாது.

ஆவண எண். 1-18,006-69-90.

I
29/1/89.

ORDINARY, PRINTED.

Public DEPARTMENT.
G.O., DATED 29-1-89
No. 100-101.

First copy sent to Press 29.1

Returned for signature.

Despatched in print.

[Despatch Abstract.]

Vital Statistics.

Recording the Sanitary Com-
missioner's remarks on the
~~in the districts & municipalities of the Madras Presidency~~
Returns of — for the
months of August/88,
and forwarding copy of
the Proceedings to the Under
Secretary of State for
India.

Forwarding copy of
Proceedings regarding the
Sanitary Com- — — — — —
— — — — —

DEATHS—cont.

Office of Sanitary Commissioner, Madras, 23rd January 1889.

JAS. ANDERSON LAING, Surgeon-Major, Sany. Commr. for Madras.

DIRECTOR, FBI

County No.

STATEMENT WITH NOTES

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SANITARY COMMISSIONER.
 RETURN showing the BIRTHS and DEATHS in the DISTRICTS of the Madras PRESIDENCY during the month of August 1888.

RETURN showing the BIRTHS and DEATHS in the DISTRICTS.												CAUSES OF DEATH.					
Population according to Census of 1881.	District.	Population from which Returns were received.	BIRTHS.				DEATHS.				Cholera.						
			CLASS.			Total Births. †	CLASS.			TOTAL DEATHS. †							
			Christians.	Hindus.	Muham- madans.		Other Classes.	Christians.	Hindus.			Muham- madans.	Other Classes.				
														Males.	Females.	Total.	Males.
1,748,604*	Ganjam	881,336	17	1,543	16	815	1,327	561	1,576	14	1,232	15	650	601	1,251	91	83
2,483,141*	Vizagapatam.	1,198,356	6	2,650	14	1,943	2,670	1,327	2,670	5	1,136	10	617	534	1,151	8	3
2,168,680	Madura	1,294,382	81	3,438	257	3,095	5,781	2,917	5,781	22	2,226	30	1,354	1,339	2,693	84	65
1,699,747	Tinnevely	1,693,747	190	3,796	171	1,759	1,709	2,911	3,468	105	3,758	47	1,087	1,131	2,218	135	113
709,305	Kurnool	678,551	20	1,862	240	1,076	1,046	2,059	4,157	69	1,994	99	960	854	1,814	19	31
1,121,038	Cuddapah	1,121,038	8	2,899	263	1,383	1,287	2,670	2,670	12	1,615	187	1,049	1,029	2,078	29	21
736,807	Bellary	736,807	3	2,439	227	1,324	1,345	2,689	2,689	7	1,641	185	921	912	1,833	44	32
599,889	Anantapur	599,889	8	1,714	95	925	892	1,817	1,817	2	1,471	69	776	766	1,542	149	120
1,817,814	North Arcot.	1,822,873	11	5,611	167	2,908	2,841	5,789	5,789	6	2,974	106	1,607	1,479	3,086	232	167
1,599,595	Salem	1,592,899	27	5,543	118	2,876	2,812	5,688	5,688	14	2,508	62	1,345	1,239	2,584	44	39
1,657,690	Coimbatore	1,657,690	15	4,125	106	2,190	2,056	4,246	4,246	9	1,968	42	1,013	1,006	2,019	1	..
91,034	Nilgiris	91,034	15	131	4	81	69	150	150	16	95	4	68	47	115	..	..
959,514	South Canara.	955,842	154	2,098	275	1,299	1,228	2,527	2,527	128	1,871	206	1,159	1,046	2,205	4	..
2,355,035	Malabar	2,354,234	107	3,315	1,528	2,544	2,406	4,950	4,950	169	3,088	1,703	2,493	2,467	4,960	390	501
	Total	27,600,955	1,268	71,793	4,461	39,510	38,012	77,522	77,522	855	44,157	3,557	24,810	28,759	48,569	1,834	1,725

[Continued on next page.]

† Inclusive of 25 Europeans and 50 Eurasians.

[Continued on next page.]

† Inclusive of 25 Europeans and 50 Eurasians.

Govt. of {1889} Madras.

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Recd.

Encl.

Letter, 29th January 1889, No. 101.

JANUARY.

Vital Statistics.

Forwarding copy of Proceedings recording the
Sanitary Commissioner's remarks on the returns
of — in the Districts and Municipalities of the
Madras Presidency for the month of August 1888.

Govt. of {1889} Madras
PUBLIC.

29TH JANUARY 1889, No. 101, 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. 100, 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 1888.

2. The statistics are annexed.

I have the honor to be,

Sir,

Your most obedient servant,

J. F. PRICE,
Chief Secretary.

FORT ST. GEORGE,
29th January 1889.

Issued

Recd.

Encl.

G.O., 29th January 1889, No. 100.

JANUARY.

50

Vital Statistics.

Recording the Sanitary Commissioner's remarks on the returns of — in the Districts and Municipalities of the Madras Presidency for the month of August 1888, and forwarding copy of the Proceedings to the Under Secretary of State for India.

Exd. A. Raitt.

Municipalities.	Cholera.	Municipalities.	Small-pox.	Municipalities.	Fevers.	Municipalities.	Bowel-complaints.
Madras	125	Salem	46	Madras	267	Madras	276
Calicut	73	Kurnool	18	Madura	37	Calicut	48
Cannanore	59	Trichinopoly	15	Salem	33	Negapatam	35
Tellicherry	55	Tanjore	10	Bellary	32	Madura	29
Cuddapah	34	Madura	9	Berhampore	31	Vellore	27
Adoni	11	Vellore	9	Palghat	25	Mangalore	23
Vellore	9	Cuddalore	8	Vizianagrum	23	Kumbakonam	22
Conjeeveram	8	Srinangam	7	Calicut	23	Trichinopoly	20
Masulipatam	6	Mangalore	6	Trichinopoly	22	Tanjore	20
Tinnevely	5	Dindigul	6	Kurnool	22	Tinnevely	15
Anantapur	4	Adoni	5	Conjeeveram	21	Cochin	15
Walajapet	3	Berhampore	5	Negapatam	21	Berhampore	13
Cochin	3	Gudiyatam	5	Vizagapatam	20	Cuddalore	13
Berhampore	2	Cannanore	3	Vellore	20	Vizianagrum	11
Tanjore	2	Madras	2	Parlakimedi	15	Ellore	10
Kurnool	2	Tinnevely	2	Rajahmundry	14	Coimbatore	10
Parlakimedi	1	Calicut	1	Chidambaram	14	Conjeeveram	9
Mayavaram	1	Parlakimedi	1	Guntur	13	Cocanada	7
Chicacole	..	Conjeeveram	1	Nellore	13	Rajahmundry	6
Vizagapatam	..	Kumbakonam	1	Vaniyambadi	13	Periyakulam	6
Anakapalle	..	Mayavaram	1	Coimbatore	13	Tirupatir	6
Cocanada	..	Mannargudi	1	Adoni	12	Bezvada	6
Rajahmundry	..	Erode	1	Mangalore	12	Mannargudi	6
Ellore	..	Karur	1	Chicacole	11	Tuticorin	5
Guntur	..	Coonoor	1	Cuddalore	11	Bellary	5
Bezvada	..	Chicacole	..	Tanjore	11	Salem	5
Nellore	..	Vizagapatam	..	Gudiyatam	10	Bimlipatam	4
Ongole	..	Bimlipatam	..	Ellore	9	Srinangam	4
Cuddalore	..	Vizianagrum	..	Cuddapah	9	Cuddapah	4
Chidambaram	..	Anakapalle	..	Ootacamund	8	Erode	4
Trichinopoly	..	Cocanada	..	Tirupatir	7	Coonoor	4
Srinangam	..	Ellore	..	Chicacole	7	Chicacole	3
Kumbakonam	..	Masulipatam	..	Guntur	7	Srinangam	3
Negapatam	..	Guntur	..	Madura	7	Chidambaram	3
Mannargudi	..	Bezvada	..	Nellore	7	Palamcottah	3
Madura	..	Ongole	..	Tellicherry	6	Kurnool	3
Periyakulam	..	Chidambaram	..	Bimlipatam	6	Ootacamund	3
Dindigul	..	Negapatam	..	Anakapalle	6	Tellicherry	3
Palni	..	Periyakulam	..	Mannargudi	6	Palghat	2
Palamcottah	..	Tirupati	..	Tirupati	6	Nellore	2
Tuticorin	..	Palni	..	Masulipatam	5	Tirupati	1
Bellary	..	Palamcottah	..	Walajapet	5	Masulipatam	1
Gudiyatam	..	Cuddapah	..	Erode	5	Mayavaram	1
Tirupati	..	Bellary	..	Coonoor	4	Palni	1
Salem	..	Anantapur	..	Cochin	4	Adoni	1
Vaniyambadi	..	Walajapet	..	Dindigul	3	Gudiyatam	1
Tirupatir	..	Tirupati	..	Palni	3	Vaniyambadi	1
Coimbatore	..	Vaniyambadi	..	Tinnevely	3	Karur	1
Erode	..	Tirupatir	..	Anakapalle	3	Parlakimedi	..
Karur	..	Coimbatore	..	Palamcottah	3	..	..
Ootacamund	..	Bezvada	..	Ongole	3	..	..
Coonoor	..	Anantapur	..	Dindigul	2	..	..
Mangalore	..	Karur	..	Anantapur	2	..	..
Palghat	..	Ongole	..	Walajapet	1	..	..
Bimlipatam	..	Cannanore	..	..	1	..	..
Vizianagrum	..	..	..	..	..	..	..

12. Towns of 25,000 inhabitants and upwards.—The registered events in the towns, Ootacamund included, in a population of 902,913, amounted in August to 2,238 births and 2,068 deaths, yielding ratios of 29.7 and 27.4 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 for the same period, they stand thus:—

	Birth-rate per mille per annum.	Death-rate per mille per annum.
Twenty-eight great towns of England and Wales	35.0	17.2
First-class towns of Bengal	22.7	33.0
Do. of Madras	29.7	27.4

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

	Popula- tion.	Cholera.	Small- pox.	Fevers.	Bowel- complaints.	Injuries.	All other causes.	Total deaths.	Total births.
Trichinopoly	84,449	..	15	22	20	3	61	121	107
Madura	76,847	..	9	37	29	2	117	194	254
Salem	59,631	..	46	33	5	1	48	133	142
Calicut	57,085	73	2	23	48	1	132	279	203
Tanjore	54,745	2	10	11	20	1	46	89	120
Negapatam	53,776	..	..	21	35	..	46	102	89
Bellary	53,460	..	..	32	5	1	90	128	140
Kumbakonam	50,098	..	1	23	22	1	78	125	113
Cuddalore	43,545	..	8	11	13	..	24	56	78
Coimbatore	38,967	..	..	13	10	1	37	61	114
Vellore	37,491	9	9	20	27	..	31	96	121
Conjeeveram	37,275	8	1	21	9	..	58	97	130
Palghat	36,339	..	..	25	3	2	59	89	102
Masulipatam	35,056	6	..	5	1	..	60	72	86
Mangalore	32,099	..	7	12	23	1	58	101	84
Cocanada	30,441	..	..	7	7	..	39	63	75
Vizagapatam	30,291	..	..	20	11	..	33	64	88
Nellore	27,505	..	..	13	2	1	39	55	60
Cannanore	26,386	59	3	1	..	1	11	75	25
Ellore	25,092	..	..	9	10	1	38	58	84
Ootacamund	12,335	..	..	9	3	..	8	20	23
Total	902,913	157	111	368	303	17	1,112	2,068	2,238

ORDER—dated 29th January 1889, No. 100, 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. A. Raitt.

7. Among the districts, the highest birth-rate (49.8 per mille) occurred in Chingleput, and the lowest in Nilgiris. In regard to death-rate, Madras (town) heads the list with 40.7 per mille, and Vizagapatam stands at the bottom, 11.5. Among the towns, Brode returned the highest birth-rate, 55.9 per mille, and Calicut the highest death-rate, 58.6. Tirupati returned the lowest rates in both instances, viz., 9.9 and 10.8, respectively.

8. The following tables show the birth and death rates recorded in each of the districts and towns arranged in the order of occurrence from highest to lowest:—

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.
Chingleput ..	49.8	Madura ..	32.1	Madras ..	40.7	South Arcot ..	20.8
Kistna ..	44.4	South Canara ..	31.7	Kurnool ..	32.0	North Arcot ..	20.3
Bellary ..	43.4	Trichinopoly ..	31.2	Anantapur ..	30.8	Salem ..	19.4
Madras ..	42.8	Coimbatore ..	30.7	Bellary ..	29.8	Godavari ..	17.1
Salem ..	42.8	Tinnevely ..	29.3	South Canara ..	27.7	Ganjam ..	17.0
South Arcot ..	38.2	Cuddapah ..	28.5	Chingleput ..	27.3	Madura ..	16.6
North Arcot ..	38.1	Godavari ..	26.9	Malabar ..	25.3	Nellore ..	16.0
Kurnool ..	37.5	Vizagapatam ..	26.7	Kistna ..	23.4	Tinnevely ..	15.2
Anantapur ..	36.3	Malabar ..	25.2	Tanjore ..	22.7	Nilgiris ..	15.1
Tanjore ..	33.8	Ganjam ..	21.4	Cuddapah ..	22.2	Coimbatore ..	14.6
Nellore ..	32.6	Nilgiris ..	19.7	Trichinopoly ..	21.9	Vizagapatam ..	11.5

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.
Erode ..	55.9	Mangalore ..	31.4	Calicut ..	58.6	Dindigul ..	25.3
Gudiyatam ..	50.3	Guntur ..	30.5	Coonoor ..	50.2	Gudiyatam ..	25.1
Wajahpet ..	49.6	Mayavaram ..	30.2	Tellicherry ..	48.3	Rajahmundry ..	24.9
Karur ..	45.6	Cocanada ..	29.5	Cuddapah ..	48.0	Masulipatam ..	24.6
Vaniyambadi ..	45.1	Masulipatam ..	29.4	Bezvada ..	43.7	Guntur ..	24.4
Anakapalle ..	44.9	Srirangam ..	28.5	Cochin ..	42.0	Periyakulam ..	24.0
Cochin ..	44.2	Salem ..	28.5	Bimlipatam ..	41.9	Adoni ..	24.0
Dindigul ..	43.1	Chicacole ..	28.1	Kurnool ..	41.9	Nellikere ..	23.9
Madras ..	42.8	Palni ..	27.9	Madras ..	40.7	Tinnevely ..	23.7
Calicut ..	42.0	Rajahmundry ..	27.3	Wajahpet ..	39.2	Chicacole ..	23.6
Bimlipatam ..	41.9	Tellicherry ..	27.3	Mangalore ..	37.7	Palni ..	23.4
Conjeevaram ..	41.8	Kumbakonam ..	27.0	Srirangam ..	37.0	Nagapatam ..	22.7
Tirupatir ..	40.3	Periyakulam ..	26.9	Behampore ..	36.1	Vaniyambadi ..	22.6
Ellore ..	40.1	Tanjore ..	26.3	Cannanore ..	34.1	Palamcottah ..	21.3
Madura ..	39.6	Nellore ..	26.1	Conjeevaram ..	31.2	Cocanada ..	20.8
Ongole ..	39.1	Coonoor ..	25.1	Vellore ..	30.7	Ongole ..	20.8
Vellore ..	38.7	Adoni ..	24.5	Vizianagrum ..	30.2	Tuticorin ..	20.6
Bezvada ..	38.5	Ootacamund ..	22.3	Madura ..	30.2	Mannargudi ..	20.4
Kurnool ..	37.7	Tinnevely ..	21.7	Kumbakonam ..	29.9	Anakapalle ..	19.7
Vizianagrum ..	37.2	Cuddalore ..	21.4	Anantapur ..	29.3	Tanjore ..	19.5
Tuticorin ..	35.3	Cuddapah ..	21.4	Palghat ..	29.3	Parlakimedi ..	19.5
Coimbatore ..	35.0	Nagapatam ..	19.8	Erode ..	29.1	Ootacamund ..	19.4
Vizagapatam ..	34.7	Parlakimedi ..	17.9	Bellary ..	28.7	Chidambaram ..	18.7
Anantapur ..	34.2	Behampore ..	16.7	Ellore ..	27.7	Coimbatore ..	18.7
Palghat ..	33.6	Chidambaram ..	15.7	Salem ..	26.7	Karur ..	18.2
Palamcottah ..	33.4	Trichinopoly ..	15.2	Mayavaram ..	26.0	Trichinopoly ..	17.1
Mannargudi ..	31.6	Cannanore ..	11.3	Tirupatir ..	26.0	Cuddalore ..	16.4
Bellary ..	31.4	Tirupati ..	9.9	Vizagapatam ..	25.3	Tirupati ..	10.8

9. In the following table, the principal causes of death during the month under notice are compared with past periods. The main features disclosed by it are a diminution of the mortality from cholera, small-pox and fevers in the districts, which include the towns also, and an increased number of deaths from bowel-complaints and injuries.

	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injuries.	All other causes.	Total deaths.
Districts—							
August 1887 ..	2,110	1,790	19,760	2,498	950	24,562	51,670
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	48,107
April ..	2,237	2,248	15,487	1,790	1,065	20,265	43,092
May ..	1,669	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	46,154
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
Municipalities—							
August 1887 ..	239	150	1,008	795	43	2,514	4,749
January 1888 ..	2,760	207	1,222	769	50	3,027	8,035
February ..	1,284	273	1,047	588	45	2,582	5,919
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	849	579	48	2,428	4,656
July ..	636	204	814	579	46	2,326	4,605
August ..	403	168	927	712	50	2,495	4,755

10. The cholera deaths numbered 3,559, the greatest mortality occurring in Malabar. Two districts—Nilgiris and Nellore—were entirely free of the disease. Coimbatore returned only one death. In the towns, 403 cholera deaths occurred, the largest number being in Madras. Thirty-eight towns, out of a total of fifty-six, escaped altogether. Small-pox caused 1,499 deaths in the districts and 168 in the towns; fevers, 16,292 and 927 respectively; and bowel-complaints, 2,601 and 712. The deaths from injuries numbered 970, and from "all other causes" 23,648, in the districts inclusive of the towns.

11. 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.
Malabar ..	891	North Arcot ..	177	Malabar ..	1,784	Malabar ..	566
North Arcot ..	399	Tanjore ..	160	Cuddapah ..	1,281	Chingleput ..	356
Cuddapah ..	296	Salem ..	150	Kistna ..	1,240	Madras ..	276
Anantapur ..	269	Kurnool ..	142	Kurnool ..	1,192	South Canara ..	212
Chingleput ..	257	Madura ..	135	Salem ..	1,048	North Arcot ..	193
Trichinopoly ..	248	Ganjam ..	120	Godavari ..	1,042	Tanjore ..	132
Godavari ..	219	South Arcot ..	116	North Arcot ..	997	South Arcot ..	110
Ganjam ..	174	Bellary ..	87	South Arcot ..	966	Bellary ..	98
Tanjore ..	162	Trichinopoly ..	77	Vizagapatam ..	929	Coimbatore ..	95
South Arcot ..	149	Coimbatore ..	63	Coimbatore ..	850	Godavari ..	90
Madras ..	125	Cuddapah ..	53	Ganjam ..	711	Tinnevely ..	74
Kistna ..	85	Malabar ..	43	South Canara ..	668	Madura ..	67
Salem ..	83	South Canara ..	33	Nellore ..	657	Cuddapah ..	56
Bellary ..	76	Chingleput ..	28	Madura ..	471	Nellore ..	54
Madura ..	50	Nellore ..	26	Trichinopoly ..	463	Salem ..	51
Kurnool ..	50	Tinnevely ..	23	Bellary ..	449	Anantapur ..	42
Vizagapatam ..	11	Anantapur ..	13	Chingleput ..	414	Kurnool ..	39
Tinnevely ..	10	Godavari ..	3	Tinnevely ..	317	Ganjam ..	37
South Canara ..	4	Kistna ..	2	Tanjore ..	282	Trichinopoly ..	36
Coimbatore ..	1	Madras ..	2	Madras ..	267	Kistna ..	34
Nellore ..	..	Nilgiris ..	2	Anantapur ..	186	Vizagapatam ..	32
Nilgiris ..	..	Vizagapatam ..	1	Nilgiris ..	78	Nilgiris ..	11

C No 302

Public Department

From

Surgeon Major J. A. Laing

Sanitary Commissioner

for Madras

To

The Chief Secretary

to Government

Public Department

Dated 23

Despd 24

Recd 25

January 1889

No 87

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Forwards abstract
statements of Births & Deaths
in the districts and muni-
cipalities of the Madras
Presidency for the month
of August 1888

29TH JANUARY 1889, No. 100, PUBLIC.

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, 23rd January 1889, No. 87.

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 1888.

2. The registered results disclose a diminution in both the birth and death rates in the districts compared with the preceding month. In the towns, however, the death-rate was in excess, accounted for chiefly by a greater mortality from fever and bowel-complaints.

3. The total births registered numbered 77,522 and the total deaths 48,569, against 81,307 and 50,652, respectively, in the previous month. Of these totals, 5,138 births and 4,755 deaths occurred in the municipalities, against 5,256 and 4,605, respectively, in July.

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

								Ratio per mille per annum.			
								Christians.	Hindus.	Muhamma- dans.	Total.
								Christians.	Hindus.	Muhamma- dans.	Total.
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								Christians.	Hindus.	Muhamma- dans.	Total.

5. Considered with the population, the total district birth-rate stood at 33.7, and the death-rate at 21.1, per mille per annum. In the towns, the ratios were 33.1 and 30.7.

6. In the following table, the registered results during August in the districts and towns are compared with those of the past months of the year, the corresponding month of the preceding year, and the average of five previous years :—

	Districts.				Municipalities.			
	Births.	Deaths.	Birth-rate.	Death-rate.	Births.	Deaths.	Birth-rate.	Death-rate.
Average of 5 previous Augusts..	79,271	51,084	33.6	21.7	5,248	4,586	35.2	30.9
August, 1887	81,980	51,070	35.0	22.1	5,552	4,740	36.0	30.8
January, 1888	60,230	74,173	26.3	32.4	6,003	8,035	32.4	52.1
February	53,293	63,350	24.3	23.5	4,453	5,819	28.9	37.7
March	66,164	48,407	28.0	21.0	4,977	4,890	32.3	31.7
April	64,233	43,092	27.6	18.5	5,043	4,410	32.6	28.4
May	70,351	43,732	30.1	18.7	5,245	4,304	33.8	27.7
June	73,093	46,434	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

Public (188) Dept.

PROCEEDINGS OF THE MADRAS GOVT.

Dated 188 , No.

(188) 188

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

letter from the Sanitary Commissioner, dated 23rd Jan 1889, No. 87.

ORDER THEREON, 29-1-89: No. 100.

Recorded.

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

H. E.

PUBLIC DEPARTMENT.

(Sanitary).

No. 101 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. 100 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 1888.

2. The statistics are annexed.

Chief Secretary.

	Population	Cholera	Smallpox	Fever	Bowel-Complaints	Injuries	all other Causes	Total deaths	Total Births
Trichinopoly	84,449	-	15	22	20	3	61	121	107
Madurai	76,847	-	9	37	29	2	117	194	2574
Taluk	59,631	-	46	33	5	1	48	133	142
Calicut	57,085	73	2	23	48	1	132	279	203
Tanjore	54,745	2	10	11	20	1	45	89	120
Negapatam	53,776	-	-	21	35	-	46	102	89
Bellary	53,460	-	-	32	5	1	90	128	140
Rumbakomun	50,098	-	1	23	22	1	78	125	113
Buddalore	43,545	-	8	11	13	-	24	56	78
Coimbatore	38,967	-	-	13	10	1	37	61	114
Tellore	37,491	9	9	20	27	-	31	96	121
Cojaveeram	37,275	8	1	21	9	-	58	97	131
Palghat	36,339	-	-	25	3	2	59	89	102
Maculipatam	35,056	6	-	5	1	-	60	72	86
Mangalore	32,099	-	7	12	23	1	58	101	84
Cocanada	30,441	-	-	7	7	-	39	53	75
Vizagapatam	30,291	-	-	20	11	-	33	64	88
Kellore	27,505	-	-	13	2	1	39	55	60
Cannanore	26,386	59	3	1	-	1	11	75	25
Ellore	25,092	-	-	9	10	1	38	58	84
Polacamund	12,335	-	-	9	3	-	8	20	23
Total	902,913	157	111	368	303	17	1112	2068	2238

I have the honor to be

Sir

Your most obedient servant

Jas. Anderson R. A. C. G.
Surgeon Major
Sanitary Commissioner
for Madras.

28/1.

Municipalities	Population	Municipalities	Population	Municipalities	Population	Municipalities	Population	Municipalities	Population
Madras	125	Salem	46	Madras	267	Madras	276		
Baliout	73	Kummoor	18	Madras	37	Baliout	48		
Bannanore	59	Trichinopoly	15	Salem	33	Megapatam	35		
Tellicherry	55	Tanjore	10	Bellary	52	Madras	29		
Buddapath	34	Madras	9	Berhampore	31	Vellore	27		
Adoni	11	Vellore	9	Palghat	25	Mangalore	23		
Vellore	9	Buddalore	8	Vijayanagrum	23	Kumbakonum	22		
Conjeeveram	8	Srirangam	7	Kumbakonum	23	Trichinopoly	20		
Masulipatam	6	Thonipalour	7	Baliout	23	Tanjore	20		
Trinnevelly	5	Onidigul	6	Trichinopoly	22	Trinnevelly	15		
Anantapur	4	Adoni	6	Kummoor	22	Cochin	15		
Walajapet	3	Berhampore	5	Conjeeveram	21	Berhampore	13		
Cochin	3	Gudiyatam	5	Megapatam	21	Buddalore	13		
Berhampore	2	Bannanore	3	Vijayanagrum	20	Vijayanagrum	11		
Tanjore	2	Madras	2	Vellore	20	Vijayanagrum	10		
Kummoor	2	Trinnevelly	2	Parlakunedi	15	Vellore	10		
Parlakunedi	1	Baliout	2	Rajahmundry	14	Coimbatore	10		
Mayavaram	1	Parlakunedi	1	Chellumberam	14	Conjeeveram	9		
Chicacole		Conjeeveram	1	Guntur	13	Cocanada	7		
Vijayanagrum		Kumbakonum	1	Vellore	13	Rajahmundry	6		
Anakapalle		Mayavaram	1	Vijayanagrum	13	Priyankulam	6		
Cocanada		Thannargudi	1	Coimbatore	13	Tirupatir	6		
Rajahmundry		Erode	1	Adoni	12	Benjawada	6		
Vellore		Karur	1	Mangalore	12	Thannargudi	5		
Guntur		Coonoor	1	Chicacole	11	Tulicorin	5		
Benjawada		Chicacole		Buddalore	11	Bellary	5		
Vellore		Vijayanagrum		Tanjore	10	Salem	5		
Angole		Bannanore		Gudiyatam	9	Bannanore	4		
Buddalore		Vijayanagrum		Vellore	9	Buddapath	4		
Chellumberam		Anakapalle		Buddapath	9	Erode	4		
Trichinopoly		Cocanada		Coimbatore	8	Coonoor	4		
Srirangam		Rajahmundry		Coimbatore	7	Chicacole	3		
Kumbakonum		Vellore		Srirangam	7	Guntur	3		
Megapatam		Benjawada		Mayavaram	7	Chellumberam	3		
Thannargudi		Vellore		Priyankulam	7	Palamcottah	3		
Madras		Angole		Tulicorin	7	Kummoor	3		
Priyankulam		Chellumberam		Tellicherry	7	Coimbatore	3		
Onidigul		Megapatam		Bannanore	6	Tellicherry	3		
Palni		Priyankulam		Anakapalle	6	Palghat	3		
Palamcottah		Palni		Thannargudi	6	Vellore	2		
Tulicorin		Palamcottah		Tirupatir	6	Tirupatir	2		
Bellary		Tulicorin		Masulipatam	5	Masulipatam	1		
Gudiyatam		Buddapath		Walajapet	5	Mayavaram	1		
Tirupatir		Bellary		Erode	5	Palni	1		
Salem		Anantapur		Coonoor	4	Adoni	1		
Vijayanagrum		Walajapet		Cochin	4	Gudiyatam	1		
		Tirupatir		Onidigul	3	Warangal	1		
		Palni		Palni	3	Karur	1		
		Trinnevelly		Trinnevelly	3	Parlakunedi	1		
		Palamcottah		Palamcottah	3	Anakapalle			
		Benjawada		Benjawada	3	Angole			
		Anantapur		Anantapur	2	Onidigul			
		Karur		Karur	2	Anantapur			
		Angole		Angole	1	Walajapet			
		Bannanore		Bannanore	1	Bannanore			

12 Towns of 25000 inhabitants and upwards. The registered events in the towns, Coimbatore included in a population of 902,913 amounted in August to 2238 births and 2068 deaths, yielding ratios of 29.7 and 27.4 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 & Wales	35.0	17.2
First class towns of Bengal	22.7	33.0
do of Madras	29.7	27.4

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

10 The Cholera deaths numbered 3559,

the greatest mortality occurring in Malabar, two districts Nilgeris and Nellore

were entirely free of the disease. Coimbatore returned only one death. In the towns

403 cholera deaths occurred, the largest number being in Madras. Thirty-eight

towns out of a total of fifty-six escaped altogether. Small-pox caused 1499 deaths in

the districts and 168 in the towns; fevers 16292 and 927 respectively and bowel-com-

plaints 2601 and 712. The deaths from

Injuries numbered 970 and from

all other causes 23648 in the districts inclusive of the towns.

11 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
Malabar	891	North Arcot	177	Malabar	1784	Malabar	566
North Arcot	399	Tanjore	160	Buddapah	1281	Chingleput	356
Buddapah	296	Salem	150	Ristna	1240	Madras	276
Amantapur	269	Kurnool	142	Kurnool	1192	South Canara	212
Chingleput	257	Madura	135	Salem	1048	North Arcot	133
Trichinopoly	248	Gangam	120	Godavari	1042	Tanjore	132
Godavari	219	South Arcot	116	North Arcot	997	South Arcot	110
Gangam	174	Bellary	87	South Arcot	966	Bellary	98
Tanjore	162	Trichinopoly	77	Vizagapatam	929	Coimbatore	95
South Arcot	149	Coimbatore	66	Coimbatore	850	Godavari	90
Madras	125	Buddapah	63	Gangam	711	Tinnevely	74
Ristna	85	Malabar	53	South Canara	668	Madura	67
Salem	83	South Canara	43	Nellore	657	Buddapah	56
Bellary	76	Chingleput	33	Madura	471	Nellore	54
Madura	50	Nellore	28	Trichinopoly	463	Salem	51
Kurnool	50	Tinnevely	26	Bellary	449	Amantapur	42
Vizagapatam	11	Amantapur	13	Chingleput	414	Kurnool	39
Tinnevely	10	Godavari	3	Tinnevely	317	Gangam	37
South Canara	4	Ristna	2	Tanjore	282	Trichinopoly	36
Coimbatore	1	Madras	2	Madras	267	Ristna	34
Nellore	-	Nilgeris	2	Amantapur	186	Vizagapatam	32
Nilgeris	-	Vizagapatam	1	Nilgeris	78	Nilgeris	11

Municipalities	Birth rate per mille per annum	Municipalities	Death rate per mille per annum
Erudur	55.9	Kalicut	58.6
Gudiyatam	50.3	Coonoor	50.2
Malayapet	49.6	Tellicherry	48.3
Rasur	45.6	Cuddalore	48.0
Tanjambadi	45.1	Bengaloor	43.7
Anakapalle	44.9	Cochin	42.0
Cochin	44.2	Pimpriatam	41.9
Dindigul	43.1	Kummoor	41.9
Madras	42.8	Madras	40.7
Kalicut	42.6	Walayapet	39.2
Pimpriatam	41.9	Mangalore	37.7
Conjeevaram	41.8	Srirangam	37.0
Triplicat	40.3	Berhampore	36.1
Chittoor	40.1	Barinamoor	34.1
Madurai	39.6	Conjeevaram	31.2
Oncoole	39.1	Vellore	30.7
Vellore	38.7	Vizianagaram	30.2
Bengaloor	38.5	Madurai	30.2
Kummoor	37.7	Kumbakonam	29.9
Vizianagaram	37.2	Anantapur	29.3
Tellicherry	36.3	Palghat	29.3
Coimbatore	35.0	Erudur	29.1
Tirupatnam	34.7	Bellary	28.7
Anantapur	34.2	Chittoor	27.7
Palghat	33.6	Salim	26.7
Palamcottah	33.4	Mayavaram	26.0
Mannargudi	31.5	Triplicat	26.0
Bellary	31.4	Tirupatnam	25.3
Mangalore	31.4	Dindigul	25.3
Guntur	30.5	Gudiyatam	25.1
Mayavaram	30.2	Rajahmundry	24.9
Coimbatore	29.5	Madulipatam	24.6
Madulipatam	29.4	Guntur	24.4
Srirangam	28.5	Periyakulam	24.0
Salim	28.5	Adoni	24.0
Chittoor	28.1	Vellore	23.9
Palni	27.9	Tumavelli	23.7
Rajahmundry	27.3	Chittoor	23.6
Tellicherry	27.3	Palni	23.4
Kumbakonam	27.0	Tirupatnam	22.7
Periyakulam	26.9	Tanjambadi	22.6
Tanjore	26.3	Palamcottah	21.3
Vellore	26.1	Coimbatore	21.3
Coonoor	25.1	Oncoole	20.8
Adoni	24.5	Tellicherry	20.6
Coimbatore	22.3	Mannargudi	20.4
Tumavelli	21.7	Anakapalle	19.7
Cuddalore	21.4	Tanjore	19.5
Buddalore	21.4	Parlakurmedi	19.5
Tirupatnam	19.8	Coimbatore	19.4
Parlakurmedi	17.9	Chellumbesam	18.7
Berhampore	16.7	Coimbatore	18.7
Chellumbesam	15.7	Rasur	18.2
Tiruchinopoly	15.2	Tiruchinopoly	17.1
Barinamoor	11.3	Cuddalore	15.4
Triplicat	9.9	Triplicat	10.8

9 In the following table the principal causes of death during the month under notice are compared with past periods. The main features disclosed by it are a diminution of the mortality from cholera, smallpox and fevers in the districts, which include the towns also, and an increased number of deaths from bowel complaints and injuries.

		Cholera	Smallpox	Fevers	Bowel Complaints	Injuries	Other Causes	Total Deaths
<u>Districts</u>								
August 1887	1887	2110	1790	19760	2498	950	24562	51670
January 1888	1888	18772	1740	20576	3167	810	29108	74773
February	.	9397	2291	15870	2154	772	22866	63350
March	.	4423	2562	16525	1823	989	22085	48407
April	.	2237	2248	15487	1790	1065	20265	43092
May	.	1699	1729	15935	1919	1108	21342	43732
June	.	2562	1571	16347	2131	1013	22810	46654
July	.	4588	1733	16869	2471	922	24069	50652
August	.	3559	1499	16292	2601	970	23648	48569
<u>Municipalities</u>								
August 1887	1887	239	150	1008	795	43	2514	4749
January 1888	1888	2760	207	1222	769	50	3027	8035
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	.	181	221	894	505	55	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

7 Among the districts the highest birth rate 49.8 per mille occurred in Chingleput and the lowest in Nilgeris. In regard to death rate Madras (town) heads the list with 40.7 per mille and Vizagapatam stands at the bottom 11.5. Among the towns Erode returned the highest birth rate 55.9 per mille and Calicut the highest death rate 58.6. Tirupati returned the lowest rates in both instances viz. 9.9 and 10.8 respectively.

8 The following tables show the birth and death rates recorded in each of the districts and towns arranged in the order of occurrence from highest to lowest.

Districts	Birth rate per mille per annum	Districts	Death rate per mille per annum
Chingleput	49.8	Madras	40.7
Ristna	44.4	Kurnool	32.0
Bellary	43.4	Amantapur	30.8
Madras	42.8	Bellary	29.8
Salem	42.8	South Canara	29.7
South Arcot	38.2	Chingleput	27.3
North Arcot	38.1	Malabar	26.3
Kurnool	37.5	Ristna	23.4
Amantapur	36.3	Tanjore	22.7
Tanjore	33.8	Cuddapah	22.2
Kellore	32.6	Trichinopoly	21.9
Madura	32.1	South Arcot	20.8
South Canara	31.7	North Arcot	20.3
Trichinopoly	31.2	Salem	19.4
Coimbatore	30.7	Godavari	17.1
Tinnevely	29.3	Gangam	17.0
Cuddapah	28.5	Madura	16.6
Godavari	26.9	Kellore	16.0
Vizagapatam	26.7	Tinnevely	15.2
Malabar	25.2	Nilgeris	15.1
Gangam	21.4	Coimbatore	14.6
Nilgeris	19.7	Vizagapatam	11.5

for chiefly by a greater mortality from fever and bowel complaints.

3 The total births registered numbered 77,522 and the total deaths 48,569 against 81,307 and 50,652 respectively in the previous month. Of these totals 5138 births and 4755 deaths occurred in the municipalities against 5256 and 4605 respectively in July.

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

		Males	Females	Percentage of females	Christians	Hindus	Mahomedans	Total	Ratio per mille per annum			
									Christians	Hindus	Mahomedans	Total
Districts	Births	39510	38012	103.9	1268	71793	4461	77522	23.5	34.2	29.5	33.7
	Deaths	24810	23759	104.4	855	44157	3557	48569	15.8	21.0	23.5	21.1
Municipalities	Births	2680	2458	109.0	318	4129	691	5138	31.1	33.5	31.7	33.1
	Deaths	2352	2403	97.8	300	3675	780	4755	29.3	29.8	36.2	30.7

5 Considered with the population the total district birth rate stood at 33.7 and the death rate at 21.1 per mille per annum. In the towns the ratios were 33.1 and 30.7.

6 In the following table the registered results during August in the districts and towns are compared with those of the past months of the year, the corresponding month of the preceding year and the average of five previous years.

		Districts				Municipalities			
		Births	Deaths	Birth rate	Death rate	Births	Deaths	Birth rate	Death rate
Average of 5 previous Augusts		79271	51084	33.6	21.7	52148	4586	35.2	30.9
August	1887	81980	51670	35.0	22.1	5552	4749	36.0	30.8
January	1888	60230	74173	26.3	32.4	5003	8035	32.4	52.1
February	.	55293	53350	24.3	24.5	4453	5819	28.9	37.7
March	.	65164	48407	28.0	21.0	4977	4890	32.3	31.7
April	.	64233	43092	27.5	18.5	5048	4410	32.6	28.4
May	.	70351	43732	30.1	18.7	5245	4304	33.8	27.7
June	.	73073	46454	31.9	20.3	5018	4656	32.4	30.0
July	.	81307	50652	34.9	21.7	5256	4605	33.9	29.7
August	.	77522	48569	33.7	21.1	5138	4755	33.1	30.7

Office of Sanitary Commissioner

N 287

Madras 23rd January 1889
Recd 24

From

Surgeon Major J. A. Loring
Sanitary Commissioner for Madras

To

The Chief Secretary to Government
Public Department

Sir,

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

2. The registered results disclose a
diminution in both the birth and death
rates in the districts compared with the
preceding month. In the towns, however,
the death rate was in excess, accounted
for