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MADRAS RECORD OFFICE.

Government of Madras.

Public **DEPARTMENT.**

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47

*Proceedings of the Madras Government, Public Department,
5th February 1869.*

No. 48. Read the following letter from the Sanitary Commissioner for Madras, to the Chief Secretary to Government, Fort Saint George ; dated Madras, 19th January 1869, No. 68.

I have the honor to forward, herewith, for submission to Government, the accompanying four copies of Reports on the Mortality in the Districts of the Madras Presidency for the first, and second and third quarters of 1868, compared with those of 1867, by my Secretary.

—

Report on the Mortality in the Districts of the Madras Presidency during the first quarter of 1867 and that of 1868.

The population, as given in the latter table, gives the results of the census of 1867, showing an increase upon the total in the former table, derived from the previous census, of 3,887,116. These numbers are not, of course, strictly accurate, being founded on the means of the three monthly returns of the quarter, and these, in many cases, only including population of villages from which Death Registers had been received when the returns were prepared. Such as they are, however, they indicate an annual increment of population of about 777,500 ; about 3·6 *per cent*.

The only district in which it would appear from these returns that the population has *diminished* in the quinquennial interval is Bellary. In this case there seems to be a decrease of nearly 22,000.

The deaths in the first quarter of 1868 are less than those of the corresponding period of 1867 by 25,451. The death-rate is lower by 1·7 per mille in the quarter. 1867 was a year of famine in many parts of the country.

The disproportion between the death-rates of the sexes was considerable in both years, but greater in 1867. In that year the proportion of males to females was 122 to 100 ; in 1868, 118 to 100.

“ Part of the superiority in healthfulness of this period of 1868 is due to the comparative mildness of the cholera epidemic. Only 6,449 deaths are attributed to this disease, 0·2 per mille of population ; while the corresponding number for 1867 is 18,645, and the rate per mille 0·8.

On the other hand, small-pox was more destructive in 1868 than in 1867. In the first quarter of the current year, the deaths due to this disease were 10,366, but in the corresponding part of 1867, only 8549. This latter number represents a rate per mille of 0·3, while in 1868 the rate has been 0·4.

Fevers destroyed 0·9 per 1000 of the population in the first quarter of this year, the rate in the corresponding quarter of 1867 having been 1·3.

“ Suicides account for 138 deaths, and murders for 45. The corresponding numbers for 1867 were 163 and 32.

The most healthy district during the quarter under review was Coimbatore (2·1 per 1000); Ganjam (2·2), North Arcot (2·3), and Madura (2·3) coming next. In 1867, however, the healthiest Zillah was Salem (3·2) ; followed by Vizagapatam (3·4), and Coimbatore (3·4).

South Canara shows the highest death-rate of the quarter (5·2) Tanjore (4·8) and Trichinopoly (4·8) ranking next to it Malabar (4·4) Madras (4·3) and North Arcot (4·2) come next. In the corresponding period of 1867, Madura suffered most (9·2), and then came Madras (8·6), North Arcot (7·5) and Kistna (6·6).

No cases of cholera are registered for the quarter in Nellore, Cuddapah, Bellary, or Kurnool. Trichinopoly and Tanjore were the only districts which suffered appreciably from this disease ; the former losing 2·0 and the latter 1·2 per mille of population. In the same quarter of the previous year, Madras (3·2), North Arcot (2·1), South Arcot (2·1), Tanjore (1·9), and Madura (1·7) suffered severely.

Small-pox was most destructive in Madras (1·0), Malabar (1·0), and North Arcot (0·9), but cases occurred in every district. In the previous year also every Zillah suffered more or less, Ganjam most severely (1·3).

Fevers were most fatal in Godavery (2·4), Kurnool (2·2), and South Canara (2·1). In the first quarter of 1867 also, Kurnool suffered severely from this cause (4·0), so did Ganjam (2·1), North Arcot (2·0), South Canara (2·0), and Malabar (2·0).

(Signed) H. KING, A. B., M. B.,
Ag. Secy. to the Sany. Commr.

Proceedings of the Madras Government, Public Department,
5th February 1869.

Deaths among the Civil population of the Madras Presidency during the 1st Quarter of 1867.

Districts.	Population at last Census.	Total deaths.	Males.	Females.	From diseases.				From violence.										Ratio per mille of population.			Remarks.	
					Cholera.	Small-pox.	Fevers.	Age.	Other diseases.	Accidents.			Suicides.				Total deaths.	Cholera.	Small-pox.	Fevers.			
										Drowning.	Snake-bite.	Wild beasts.	Other acci- dents.	Hanging.	Drowning.	Poison.					Other sui- cides.		Murders.
Ganjam ...	1,139,267	5,989	3,370	2,619	157	1,700	2,486	211	1,389	14	5	11	10	5	...	...	...	1	5.1	0.01	1.3	2.1	
Vizagapatam ...	1,424,652	5,032	2,853	2,179	73	545	1,718	1,050	1,525	58	10	10	25	2	8	2	3	3	3.4	0.05	0.3	1.0	
Godavery ...	1,356,386	5,145	2,906	2,239	91	738	2,418	323	1,486	46	11	6	8	5	11	...	2	...	3.6	...	0.4	1.6	
Kistna ...	608,463	4,107	2,334	1,863	398	311	850	587	1,986	33	8	12	4	...	2	...	6	...	6.6	0.5	0.3	...	
Nellore ...	979,737	4,880	2,747	2,133	948	195	512	705	2,406	78	10	1	19	...	3	...	...	3	4.8	0.3	0.4	0.3	
Cuddapah ...	1,040,747	3,805	2,169	1,636	198	69	1,805	392	1,223	79	18	4	16	...	...	...	1	3.5	0.1	...	...	...	
Bellary ...	1,326,946	4,847	2,714	2,133	6	247	2,473	438	1,570	23	4	1	35	3	39	...	...	8	3.5	0.004	0.01	1.7	
Kurnool ...	718,865	3,959	2,145	1,814	97	80	2,945	202	645	23	1	2	7	...	6	...	...	1	5.4	0.1	0.004	4.0	
Madras ...	664,836	5,783	3,170	2,613	2,211	178	533	597	2,192	48	11	...	7	1	2	...	1	8.6	3.2	0.1	0.6	0.6	
North Arcot ...	1,069,685	8,123	4,451	3,672	2,343	611	2,280	636	2,131	95	9	12	3	...	...	1	2	7.5	2.1	0.3	2.0	0.5	
South Arcot ...	1,128,430	5,826	3,238	2,588	2,495	199	741	553	1,725	60	31	7	11	2	...	...	...	5.0	2.1	...	...	0.5	
Tanjore ...	1,572,733	9,633	5,009	4,624	3,252	507	1,109	1,330	3,307	55	45	3	20	2	...	...	1	2	5.9	1.9	0.3	0.6	
Trichinopoly ...	835,887	4,395	2,364	2,031	780	305	670	600	1,952	28	24	1	32	2	...	...	1	5.1	0.8	0.2	0.6	1.2	
Madura ...	997,367	8,811	4,887	3,924	1,828	707	1,207	363	4,627	41	20	1	14	2	...	...	1	9.2	1.7	0.6	1.2	0.3	
Tinnevely ...	1,363,651	7,396	3,968	3,428	2,052	472	588	534	3,693	42	5	2	5	2	...	...	...	5.3	1.4	0.2	0.3	0.8	
Coimbatore ...	1,232,599	4,317	2,395	1,922	579	196	1,100	863	1,462	67	24	7	16	1	...	...	1	3.4	0.3	...	...	0.9	
Salem ...	1,493,221	5,043	2,696	2,347	706	602	1,546	284	1,892	78	8	1	16	...	...	...	...	3.2	0.3	0.2	...	2.0	
South Canara ...	781,232	4,688	2,524	2,164	266	92	1,699	537	1,948	32	13	17	63	12	4	1	...	4	5.8	0.2	...	...	
Malabar ...	1,716,852	8,104	4,533	3,551	165	843	3,803	729	2,308	68	49	4	14	17	4	1	6	3	5.0	0.09	0.4	2.0	
Total ...	21,369,260	109,973	60,493	49,480	18,645	8,549	30,483	10,933	39,467	968	396	102	325	56	80	8	19	32	5.0	0.3	1.3	...	

Proceedings of the Madras Government, Public Department,
5th February 1869.

Deaths among the Civil population of the Madras Presidency during the 1st Quarter of 1868.

Deaths among the Civil population of the Madras Presidency during the 1st quarter of 1906.																							
Districts.	Population at last Census.	Total deaths.	From diseases.				From violence.						Ratio per mille of population.				Remarks.						
			Cholera.	Small-pox.	Fevers.	Age.	Other diseases.	Accidents.			Suicides.			Total deaths.	Cholera.	Small-pox.		Fevers.					
								Drowning.	Snake-bite.	Other acci- dents.	Hanging.	Drowning.	Poison.						Other sui- cides.	Murders.			
Ganjam ...	1,233,537	2,798	1,538	1,260	52	87	1,544	99	974	7	3	8	18	2	...	...	...	4	2.2	0.04	0.07	1.2	Exclusive of certain hill villages.
Vizagapatam...	1,497,504	3,899	2,099	1,800	18	209	1,550	399	1,672	22	2	...	20	2	4	...	1	...	2.6	0.01	0.1	1.0	
Godavery ...	1,420,229	4,947	2,859	2,088	9	408	3,424	178	1,004	10	3	3	5	...	3	...	...	7	3.4	0.006	0.2	2.4	Exclusive of certain Ryotwary and Zemindary villages.
Kistna ...	1,296,652	4,182	2,278	1,904	9	361	924	946	1,844	41	11	...	26	1	12	...	...	...	3.2	0.007	0.2	0.7	
Nellore ...	1,107,618	3,928	2,126	1,802	...	573	421	582	2,232	52	15	2	18	1	7	2	1	...	3.4	...	0.4	0.3	Exclusive of certain Ryotwary and Zemindary villages.
Cuddapah ...	1,144,739	3,929	1,728	1,301	...	331	1,274	291	1,056	47	13	...	14	1	...	...	...	2	2.6	...	0.2	1.1	
Bellary ...	1,304,998	4,604	2,556	2,048	...	502	2,053	345	1,605	34	5	...	39	3	11	...	2	5	3.5	...	0.3	1.5	
Kurnool...	771,062	2,752	1,509	1,243	...	119	1,754	186	629	15	5	9	26	...	6	1	1	1	3.5	...	0.1	2.2	
Madras ...	804,949	3,480	1,786	1,694	13	933	416	359	1,704	19	13	...	20	...	1	1	...	1	4.8	0.01	1.1	0.5	
North Arcot...	1,586,204	6,757	3,572	3,185	295	1,500	1,475	564	2,750	83	23	23	34	1	6	1	2	1	4.2	0.1	0.9	0.9	
South Arcot ...	1,261,846	2,933	1,548	1,385	278	380	427	415	1,315	49	40	8	14	...	1	...	3	3	2.3	0.2	0.3	0.3	
Tanjore ...	1,707,943	8,253	4,275	3,978	2,195	842	1,061	1,014	2,997	55	61	4	17	4	...	2	...	1	4.8	1.2	0.4	0.6	
Trichinopoly...	1,006,826	4,833	2,474	2,359	2,069	207	505	455	1,529	25	20	1	21	1	...	...	...	...	4.8	2.0	0.2	0.5	
Madura ...	1,777,067	4,006	2,187	1,819	192	555	853	238	2,051	43	40	4	22	1	1	...	...	1	2.3	0.1	0.3	0.4	
Tinnevelly ...	1,523,642	3,953	2,067	1,886	20	463	550	356	2,472	46	16	...	16	4	...	...	2	3	2.5	0.01	0.3	0.3	
Coimbatore ...	1,430,738	3,062	1,723	1,339	229	405	679	608	1,054	52	16	4	10	4	...	...	...	1	2.1	0.1	0.3	0.4	
Salem ...	1,619,233	4,413	2,386	2,027	975	496	1,102	220	1,514	58	14	2	13	4	7	1	1	6	2.7	0.6	0.3	0.6	
South Canara.	836,019	4,404	2,359	2,045	45	97	1,756	518	1,848	44	8	12	64	8	1	2	...	1	5.2	0.05	0.1	2.1	
Malabar ...	1,850,800	8,229	4,762	3,527	50	1,891	2,249	791	3,096	45	74	1	66	14	2	...	2	8	4.4	0.02	1.0	1.2	
Total...	35,247,376	84,522	45,832	38,690	6,449	10,266	24,017	8,564	33,266	752	381	81	463	51	62	10	15	45	3.3	0.2	0.4	0.9	

Report on the Mortality in the Districts of the Madras Presidency during the second and third quarters of 1867 and those of 1868.

For the reasons specified in the last Report (*vide* Proceedings in this Volume, page 581,) it is useless to institute any comparison between the population of the whole Presidency for the second and third quarters of the years 1867 and 1868, respectively. It seems advisable, therefore, that, as the returns for the present year are calculated to the more or less complete exclusion of the population of villages from which no Death Returns are received, we should confine our observations to the comparison of the actual mortality recorded within the limits of the several districts. It is improbable that any material change in the population has actually occurred during the second and third quarters, as compared with the first quarter of the present year.

During the three quarters cholera existed throughout the whole limits of the Presidency so as to cause the mortality shown in the margin.

First quarter ... 6,449
Second do. ... 972
Third do. ... 400

The wide existence of cholera during the first quarter was contemporaneous with a remarkable absence of this disease from the Presidency Town. The second quarter exhibited a marked diminution in the prevalence of the disease, and the third quarter a still further diminution. In the corresponding quarters of 1867, the mortality from this cause was recorded as 18,650, 5575, and 6222. The conclusions to be arrived at, therefore, are, first, that, although cholera was existent in the first quarter to a considerable extent, yet it was far less fatal than in the previous year; that it rapidly declined in the second quarter of 1868, in this respect being identical with the experience of the previous year; that in the third quarter of 1868, the mortality was remarkably small, actually amounting to only 400 persons among a supposed population of 25,000,000.

From the general purport of the foregoing observations it will be seen that the second and third quarters indicated a general absence of cholera which must be regarded as highly satisfactory; but in other respects the public health cannot be considered to have been good. The mortality from small-pox has reached a very high figure, the comparative and actual amounts of mor-

	1867.	1868.	Difference.
First quarter	8,549	10,366	1,817
Second do.	6,532	9,845	3,313
Third do.	5,706	7,708	2,002
	20,787	27,919	7,132

tality being as in the margin. Supposing the amount of mortality shown in these tables to be persistent in each year an increase of nearly 10,000 deaths would be apparent from this disease, which cannot be regarded as other than

the most preventible of all known causes of deaths. From the recent Proceedings of Government, it is evident that the exertions of the Vaccine Department, and the numbers of persons vaccinated, have largely and steadily increased for the last two years. But it is to be regretted that there is still afforded such ample evidence of the very imperfect protection from small-pox enjoyed by the general population of the country. It is undoubtedly a matter for grave reflection whether it is not the incumbent duty of Government to render vaccination compulsory. Two objections, however, suggest themselves which are worthy of consideration; first, that the Government Vaccine Department is inadequate to carry out fully the provisions of such an Act without an increase of establishment involving very considerable expense in addition to that already incurred; secondly,

that the goddess of small-pox (Mariatha) is also supposed to be the goddess of cholera, and a popular belief is prevalent that, during a year when small-pox is markedly fatal, cholera is equally remarkable for the rarity of its occurrence; and *vice versa*. The supposed mutual antagonism of these two diseases is, however, not founded alone upon popular superstition. A highly intelligent Officer of the Medical Establishment of this Presidency some years since suggested a theoretical opinion to the same effect founded on his own personal experience that no patient ever died of cholera who bore indications of having had small-pox. An examination of the Mortuary Tables of Madras, for the last two years, affords a singular apparent confirmation of the opinion of Natives as recorded above. The subject is one of such vast importance, in a scientific point of view, that I purpose making it one of the more important points of investigation in a report on the health of Madras for the ten years, which will conclude at the end of next month. But I may premise that my own conviction is not favorable to the supposition in question, nor am I able to recognise any mutual auxiliant or antagonistic influence between the two diseases. They both appear to me to be distinctly propagable by intercommunication; but here, I believe, the connexion between them terminates.

	1867.	1868.	Difference
First quarter	30,483	24,017	- 6,466
Second do.	21,463	21,533	+ 70
Third do.	22,351	27,612	+ 4,261
	75,297	73,162	- 2,135

The extreme prevalence of fevers in the third quarter of the present year is very remarkable, as noted in the margin. In this respect the general population seems to have suffered in the same way as the population of Madras itself, as noted in my report on the causes of death in Madras for the same period.

The per mille rate of mortality during the periods under review, as shown in the table in the

Districts.	Quarterly Rate.				Annual Rate.	
	Second quarter 1867.	Second quarter 1868.	Third quarter 1867.	Third quarter 1868.	1867.	1868.
Ganjam ...	2.2	2.7	2.2	3.5	8.8	12.4
Vizagapatam ...	2.02	3.0	2.1	3.5	8.2	12.8
Godavery ...	2.4	3.1	3.07	3.9	10.8	14.0
Kistna ...	8.2	4.2	6.8	5.5	30.0	19.2
Nellore ...	3.4	3.9	2.8	4.5	12.4	16.8
Cuddapah ...	3.09	3.3	2.4	4.6	10.8	15.6
Bellary ...	3.2	4.7	2.9	6.6	12.2	22.4
Kurnool ...	3.9	4.6	3.1	5.5	14.0	20.2
Madras ...	3.4	5.6	4.2	7.6	15.2	26.4
North Arcot ...	3.6	3.7	3.3	5.06	13.6	17.2
South Arcot ...	2.8	2.2	4.4	5.2	14.4	14.8
Tanjore ...	4.3	3.7	5.8	5.3	20.2	18.0
Trichinopoly ...	3.2	3.6	3.8	4.06	14.0	15.2
Madura ...	4.4	2.1	3.9	2.5	16.4	9.2
Tinnevely ...	2.2	2.8	2.4	3.2	9.2	12.0
Coimbatore ...	1.9	2.6	2.04	2.3	7.6	9.6
Salem ...	1.9	2.2	2.4	3.8	8.4	12.0
South Cauara ...	6.6	4.8	10.04	6.02	33.2	21.6
Malabar ...	4.09	4.2	4.9	4.1	17.8	16.6

these probable sources of undoubted inaccuracy will soon cease, and that I may be in a position henceforward to furnish more reliable reports than those now submitted can possibly be.

(Signed) H. B. MONTGOMERY, M.D.,

Secy. to the San'y. Commr.

Deaths among the Civil population of the Madras Presidency during the 2nd Quarter of 1867.

Deaths among the Civil population of the Madras Presidency during the 2nd Quarter of 1897.																								
Districts.	Population at last Census.	Total deaths.	Males.	Females.	From diseases.				From violence.						Ratio of deaths per 1,000 from			Remarks.						
					Cholera.	Small-pox.	Fevers.	Age.	Other diseases.	Accidents.				Suicides.					All causes.	Cholera.	Small-pox.	Fevers.		
										Drowning.	Snake-bite.	Wild beasts.	Other accidents.	Hanging.	Drowning.	Poison.	Other suicides.						Murdres.	
Ganjam...	1,155,221	2,656	1,515	1,141	65	421	1,800	73	721	27	22	7	13	2	2	1	1	1	1	12.2	0.05	0.3	1.1	
Vizagapatam...	1,424,652	2,883	1,649	1,234	86	472	945	376	934	58	13	7	29	4	6	1	1	1	1	12.02	0.02	0.3	0.6	
Godavery...	1,416,912	3,432	1,899	1,533	169	930	730	264	1,224	57	15	9	23	8	7	1	1	1	1	12.4	0.1	0.6	0.5	
Kistna...	633,275	5,200	2,766	2,434	2,060	295	320	602	1,821	35	17	6	27	1	18	1	1	1	1	18.2	3.2	0.4	0.5	
Nellore...	979,737	3,321	1,788	1,544	138	148	372	429	2,025	139	26	5	2	1	1	1	1	1	1	23.4	0.1	0.1	0.3	
Cuddapah...	1,040,747	3,221	1,761	1,460	99	37	1,539	255	1,073	93	32	8	86	2	1	1	1	1	1	23.09	0.09	0.03	1.4	
Bellary...	1,326,946	4,303	2,349	1,954	228	191	2,009	340	1,646	26	11	1	30	4	1	1	1	1	1	13.2	0.001	0.1	1.5	
Kurnool...	718,865	2,850	1,614	1,236	228	38	1,633	165	722	22	7	7	20	6	1	1	1	1	1	3.9	0.3	0.05	2.2	
Madras...	664,836	2,267	1,182	1,085	40	261	380	267	1,215	56	23	4	15	1	1	1	1	1	1	3.4	0.06	0.3	0.5	
North Arcot...	1,148,298	4,153	2,254	1,899	72	534	1,671	362	1,406	85	11	4	3	1	2	1	1	1	1	23.6	0.06	0.4	1.4	
South Arcot...	1,128,430	3,218	1,688	1,530	224	234	956	327	1,342	69	39	8	13	3	1	1	1	1	1	2.8	0.1	0.2	0.8	
Tanjore...	1,572,703	6,841	3,488	3,353	1,844	578	910	856	2,517	45	67	16	4	1	2	1	1	1	1	14.3	1.1	0.3	0.5	
Trichinopoly...	885,887	2,751	1,504	1,247	82	222	537	870	1,435	32	45	2	23	1	1	1	1	1	1	13.2	0.09	0.2	0.6	
Madura...	735,171	3,286	1,814	1,472	134	499	753	155	1,640	44	41	2	16	1	1	1	1	1	1	14.4	0.1	0.6	1.02	
Tinnevely...	1,363,051	3,056	1,683	1,373	154	322	420	232	1,816	68	17	2	17	3	1	1	1	1	1	32.2	0.1	0.2	0.3	
Coimbatore...	1,232,599	2,368	1,311	1,037	9	160	677	421	945	110	23	3	12	4	1	1	1	1	1	31.9	0.007	0.1	0.5	
Salem...	1,493,221	2,745	1,485	1,260	86	402	835	141	1,130	84	33	1	27	3	1	1	1	1	1	11.9	0.05	0.2	0.5	
South Canara...	783,937	5,179	2,804	2,375	59	99	2,771	421	1,683	32	18	13	71	4	4	2	1	1	1	26.6	0.07	0.1	3.5	
Malabar...	1,716,852	7,036	4,007	3,029	74	689	2,695	605	2,742	81	47	4	68	17	1	2	1	1	1	104.09	0.04	0.4	1.5	
Total...	21,371,360	70,777	38,561	32,216	5,575	6,532	21,468	6,661	28,087	1,163	507	81	554	58	89	15	10	32	3	3	0.2	0.3		1.004

Deaths among the Civil population of the Madras Presidency during the 2nd Quarter of 1868.

Deaths among the Civil population of the Madras Presidency during the 2nd Quarter of 1886.																							
Districts.	Population at last Census.	Total deaths.	Males.	Females.	Cholera.	Small-pox.	From diseases.				From violence.						Ratio of deaths per 1,000 of population from				Remarks.		
							Fevers.	Age.	Other diseases.	Drowning.	Snake-bite.	Wild beasts.	Other accidents.	Suicides.			Murd.	All causes.	Cholera.	Small-pox.		Fevers.	
														Drowning.	Snake-bite.	Wild beasts.							Other accidents.
Ganjam ..	1,233,590	3,377	1,791	1,586	55	56	1,649	78	1,465	18	24	6	19	...	1	...	3	3	27	0.04	0.04	1.3	Exclusive of certain villages from which no returns have been received.
Vizagapatam..	1,505,045	4,646	2,461	2,185	78	144	1,598	399	2,326	42	25	2	22	3	3	1	2	1	3.0	0.05	0.09	1.0	Do.
Godavery ..	1,423,657	4,541	2,393	2,148	...	868	1,048	213	2,271	48	26	10	45	4	5	...	1	2	3.1	...	0.6	0.7	Do.
Kistna ..	1,040,518	4,466	2,307	2,159	6	437	394	895	2,586	72	13	3	44	2	11	...	1	2	4.2	0.005	0.4	0.3	Do.
Nellore ..	1,157,108	4,578	2,451	2,127	6	634	446	626	2,677	123	28	6	14	2	12	...	1	3	3.9	0.005	0.5	0.3	Do.
Cuddapah ..	1,144,759	3,780	1,984	1,796	5	496	1,138	334	1,855	63	25	1	57	5	...	...	1	3	3.3	0.04	0.4	0.9	Do.
Bellary ..	1,304,998	6,208	3,206	3,002	...	897	2,135	375	2,640	79	15	...	56	2	3	4	2	4	7	...	0.6	1.6	Do.
Kurnool ..	770,815	3,610	1,838	1,772	...	419	1,601	218	1,293	41	12	7	19	...	1	4	...	1	5.6	0.01	0.5	2.07	Do.
Madras ..	630,205	3,574	1,827	1,747	8	765	472	316	1,935	25	20	...	27	1	4	...	1	3	3.7	0.06	0.6	0.7	Do.
North Arcot..	1,787,134	6,771	3,398	3,373	12	1,121	1,368	559	3,515	97	51	11	26	6	1	1	1	2	2	0.1	0.2	0.3	Do.
South Arcot..	1,261,846	2,847	1,428	1,419	237	342	439	266	1,459	48	31	5	16	1	2	...	1	1	3.7	0.08	0.5	0.6	Do.
Tanjore ..	1,730,628	6,443	3,247	3,196	155	953	1,121	810	3,249	47	88	...	14	4	1	...	1	3	2.6	0.08	0.2	0.6	Do.
Trichinopoly..	996,029	3,606	1,786	1,820	82	202	620	399	2,155	49	49	1	31	...	1	...	3	2.1	0.02	0.1	0.5	Do.	
Madura ..	1,680,244	3,608	1,947	1,661	42	302	942	191	2,001	34	36	4	40	4	9	...	1	2.8	0.2	0.3	0.3	Do.	
Tinnevelly ..	1,524,270	4,360	2,302	2,058	36	556	575	1,089	1,962	62	38	...	26	...	1	...	1	2.6	0.09	0.2	0.5	Do.	
Coimbatore ..	1,414,903	3,791	2,109	1,682	129	368	794	627	1,758	68	33	5	13	...	1	...	1	4	2.2	0.04	0.2	0.6	Do.
Salem ..	1,619,233	3,574	1,887	1,687	66	75	1,786	379	1,719	31	19	3	41	10	1	...	...	2.4	0.02	0.08	2.1	Do.	
South Canara..	836,019	4,086	2,168	1,918	20	796	2,430	694	3,693	69	58	6	68	13	2	...	4	8	4.2	0.01	0.4	1.3	Do.
Malabar ..	1,850,800	7,876	4,324	3,552	35	796	2,430	694	3,693	1084	626	70	602	5956	53033	3.4	0.03	...	...	...	0.8	...	
Total...	24,911,801	85,742	44,854	40,888	972	9,845	21,533	8,603	42,224	1084	626	70	602	5956	53033	3.4	0.03	...	...	...	0.8	...	

Exclusive of certain villages from which no returns have been received.

Proceedings of the Madras Government, Public Department,
5th February 1869.

Deaths among the Civil population of the Madras Presidency during the 3rd Quarter of 1867.

Districts.	Population at last Census.	Total deaths.	Males.	Females.	From diseases.						From violence.						Ratio of deaths per 1,000 of population from				Remarks.		
					Cholera.	Small-pox.	Fevers.	Age.	Other diseases.	Accidents.			Suicides.			All causes.	Cholera.	Small-pox.	Fever.				
										Drowning.	Snake-bite.	Wild beasts.	Other accidents.	Hanging.	Drowning.					Poison.		Other suicides.	Murders.
Ganjam	1,200,165	2,692	1,430	1,262	148	112	1,298	91	987	31	8	7	9	...	1	...	...	3	22	0.1	0.09	1.08	
Vizagapatam...	1,424,652	3,124	1,670	1,454	26	220	1,084	399	1,204	60	18	6	30	...	12	1	3	1	2.1	0.01	0.1	0.7	
Godavary	1,413,521	4,344	2,292	2,052	274	602	1,087	312	1,967	40	31	10	7	210	1	1	...	3	3.07	0.1	0.4	0.7	
Kistna	771,368	5,292	2,726	2,566	1,111	243	433	1,061	2,323	50	28	...	25	4	8	1	3	2	6.8	1.4	0.3	0.5	
Nellore	1,139,160	3,240	1,731	1,509	3	136	339	444	2,185	72	34	3	21	2	...	...	1	...	2.8	0.002	0.1	0.2	
Cuddapah	1,141,426	2,844	1,585	1,259	20	52	1,086	286	1,267	74	33	1	25	...	...	...	...	2.4	0.01	0.04	0.9		
Bellary	1,291,932	3,792	2,043	1,749	2	149	1,491	361	1,673	41	21	2	30	215	...	4	1	2.9	0.001	0.1	1.1		
Kurnool	753,663	2,369	1,322	1,047	43	38	1,194	185	844	15	20	5	17	...	...	4	4	3.1	0.05	0.05	1.5		
Madras	664,836	2,845	1,449	1,396	18	421	457	297	1,570	33	27	...	17	...	...	...	1	4.2	0.02	0.6	0.6		
North Arcot...	1,187,134	4,004	2,121	1,883	11	588	1,321	306	1,669	78	20	1	3	...	...	...	...	4.4	0.009	0.4	1.1		
South Arcot...	1,172,902	5,269	2,700	2,569	1,489	275	822	387	2,164	71	42	12	6	...	...	...	...	1.5	0.5	0.8			
Tanjore	1,572,703	9,226	4,561	4,665	2,434	824	1,313	1,035	3,463	54	77	...	22	...	...	...	...	1.5	0.5	0.8			
Trichinopoly...	892,861	3,470	1,748	1,722	454	156	581	425	1,765	28	29	...	28	...	...	...	...	3.8	0.5	0.1	0.6		
Madura	755,784	2,991	1,607	1,384	53	390	634	186	1,636	34	28	3	15	4	3	...	2	3.9	0.07	0.5	0.8		
Timnevelly	1,363,051	3,252	1,708	1,544	29	386	379	318	2,044	45	15	4	15	6	4	1	2	2.4	0.02	0.2	0.2		
Coimbatore...	1,232,599	2,522	1,375	1,147	4	152	550	579	1,149	58	14	2	13	1	...	...	...	2.04	0.003	0.1	0.4		
Salem	1,493,221	3,592	1,960	1,632	5	459	1,174	241	1,595	59	29	2	23	1	2	1	...	1.2	0.003	0.3	0.7		
South Canara.	835,393	8,394	4,273	4,121	79	71	5,212	560	2,345	80	8	6	44	3	11	1	...	4.0	0.09	0.8	6.2		
Malabar	1,716,852	8,560	4,630	3,930	19	432	2,896	995	4,047	59	37	1	33	6	2	...	...	3.4	0.01	0.2	1.6		
General Total.	22,023,223	81,822	42,931	38,891	6,222	5,706	23,351	8,468	35,957	982	519	65	380	347	77	919	33	3.7	0.2	0.2	1.06		

Proceedings of the Madras Government, Public Department,
5th February 1869.

Deaths among the Civil population of the Madras Presidency during the 3rd Quarter of 1868.

Deaths among the Civil population of the Madras Presidency during the 3rd Quarter of 1898.

Districts.	Population at last Census.	Total deaths.	Males.	Females.	From diseases.					From violence.							Ratio of deaths per 1,000 of population from			Remarks.			
					Cholera.	Small-pox.	Fevers.	Age.	Other diseases.	Accidents.				Suicides.			All causes.	Cholera.	Small-pox.		Fevers.		
										Drowning.	Snake-bite.	Wild beasts.	Other accidents.	Hanging.	Drowning.	Poison.						Other suicides.	
Ganjam ...	12,10,517	4,316	2,294	2,022	80	70	1,920	279	1,878	38	20	6	15	3	2	1	...	4	3.5	0.06	0.05	1.5	Exclusive of villages from which death returns have not been received. Do

Exclusive of villages from which death returns have not been received.

*Proceedings of the Madras Government, Public Department,
5th February 1869.*

No. 49.

ORDER THEREON, 5th February 1869, No. 163.
To be recorded.
(True Extract).

R. S. ELLIS,
Chief Secretary.

1754

OFFICE OF SANITARY COMMISSIONER,
Madras, 17 January 1869.

No. 68

From

Sanitary Commissioner for Madras,

To

The Secretary to Government,
Public Department,
Fort Saint George.

Enclosures 4.

Sir, I have the honor to forward herewith for submission to Government the accompanying 4 Reports on the Mortality in the Districts of the Madras Presidency for the first, second and third quarters of 1868 compared with those of 1867, by my Secretary.

I have the honor to be,

Sir,
Your most Obedt. Servant.

James Montgomery
Secretary
for Sanitary Comm.

Dist. of 1868 Mortality.

PUBLIC.

Dated February, 5th.

Recd.

Encl.

G. O., 5th February 1869, No. 163.

FEBRUARY.
Nos. 48-49.

Recording letter from the Sanitary Commissioner, forwarding copies of Reports on the Mortality in this Presidency during the first, second, and third quarters of 1868 compared with those of 1867.

Public Works Dept

From

Sanitary Commissioner

for Madras,

To

*The Secy to Government
Public Works Dept
Fort St. George*
Dated *10.11.1884*
Despatched *21.11.1884*
Received *21.11.1884*

No. 68.

Enclosures. *20*

*Forwarded 44 copies of Report
on the Mortality in the District
of the Madras Presidency for
the first and second and third
quarters of 1868 compared with
those of 1867 & 1863 - viz
1867 1868 1863 - viz
1867 1868 1863 - viz
1867 1868 1863 - viz*

*Copy sent
1884*

Court of 1869 Madras.
Public

Feby. 5

Re:

G. O. 5 Feby 1869, No. 163.

Nos. 48. 49.

Recording letter from the
Sanitary Commr: forwarding
Copies of Reports on the Morta-
lity in this Presidency -
during the first, second,
& third quarters of 1868 com-
pared with those of 1867.