

*Proceedings of the Madras Government, Revenue Department,
29th January 1872.*

No. 349. Read the following letter from the Sub-Secretary to the Board of Revenue, to the Secretary to Government, Revenue Department, dated Madras, 12th December 1871, No. 4,995:—

I AM directed by the Board of Revenue to submit the following report prescribed by Government Order, 18th April 1863, No. 1,034, on the sanitary condition of the districts of this Presidency (excluding the Town of Madras) for Fasli 1280 (A. D. 1870-71).

2. The usual Abstract Statements—one of Births, the other of Deaths—are submitted.

3. The total number of Births registered during the season was 457,869, or 17·87 per mille of population.

4. The Deaths registered were 457,507, or 17·84 per mille.

5. If these ratios are correct the population of the country must be stationary or diminishing.

6. The Board are satisfied that the Returns of Births and Deaths before them

Districts.	Birth rates.	Death rates.	are neither so full nor so accurate as
Ganjam	17·37	11·14	they might well be. For the large
Vizagapatam	14·08	10·99	Zemindaris of Ramnad and Sivagunga
Godavery	14·78	23·19	in Madura, as well as large Zemindaris
Kistna	18·00	17·72	elsewhere, either very imperfect returns
Nellore	13·77	13·98	have been obtained or none at all. The
Cuddapah	13·70	17·02	very discordant results which are
Bellary	21·30	17·12	patent on comparing one district with
Kurnool	19·88	19·00	another also indicate that the returns on
Chingleput	20·58	18·40	which they are based are of very vary-
North Arcot	21·01	19·55	ing degrees of trustworthiness. In
South Arcot	14·53	18·86	reporting on these results some officers
Tanjore	27·61	22·85	have evidently discharged this duty in
Trichinopoly	17·27	19·82	a very perfunctory manner. Thus one
Madura	9·12	10·75	officer remarks with satisfaction on the
Tinnevelly	15·61	22·61	great <i>decrease</i> (South Arcot) in the num-
Coimbatore	13·06	16·95	ber of deaths from injuries, while his
Salem	24·59	23·36	figures show an <i>increase</i> . Another Collector (Tinnevelly) submits his Annual
South Canara	20·91	22·89	Returns without one word of remark. The statistics of his district show that
Malabar	22·36	15·49	while the Death rate is 22·61, the Birth rate is only 15·61. The obvious inaccuracy
Nilgiris	16·49	16·75	of the latter should have challenged attention, because, if it were an accurate state-
Total...	17·87	17·84	ment of the births, the population of the district would evidently soon disappear.

It is idle to expect accuracy in these statistics unless their importance is always kept in view, and efforts are steadily directed to ensure their faithfulness.

7. The Mortuary Returns exhibit the following results arranged, first, with reference to the classes of the population; second, with reference to the several causes of death; and thirdly, with reference to age:—

(1.) Hindus	427,767
Mahomedans	22,525
Christians	6,393
Other Classes	822
Total ...	457,507

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(2.) Cholera	...	...	...	44,989
Small-pox	...	...	...	16,831
Fever	...	...	...	186,160
Bowel-complaints	...	...	...	41,683
Injuries	...	...	...	15,215
Other Causes	...	...	...	152,629
(3.) Born dead	...	...	...	9,933
Not exceeding 1 year	...	...	...	62,307
1 to 6	...	...	...	60,736
6 to 12	...	...	...	28,532
12 to 20	...	...	...	29,974
20 to 30	...	...	...	48,583
30 to 40	...	...	...	45,315
40 to 50	...	...	...	43,720
50 to 60	...	...	...	48,903
Exceeding 60	...	...	...	79,504

Although on comparing only the totals the result is a small decrease in mortality in the year under report, there was an increase under all the most prominent diseases which the Board will now proceed to notice in detail.

8. CHOLERA.—The most active as well as the most destructive of these is cholera. From the marginal figures it

	Fasli 1279.	Fasli 1280.
Ganjam	717	403
Vizagapatam	499	259
Godavery	3,448	9,978
Kistna	90	2,436
Nellore	1,560	985
Cuddapah	1,794	610
Bellary	1,936	9
Kurnool	1,460	18
Chingleput	1,592	906
North Arcot	4,725	2,376
South Arcot	2,194	2,193
Tanjore	10,284	1,554
Trichinopoly	2,144	1,928
Madura	1,534	5,651
Tinnevelly	4,619	7,268
Coimbatore	827	2,913
Salem	2,089	3,463
South Canara	144	508
Malabar	424	1,526
Nilgiris	...	5
Total...	42,080	44,989

will be seen that, with the exception of the Nilgiris, Bellary, and Kurnool, its ravages extended over all the districts of the Presidency, carrying off nearly 3,000 more victims than in the preceding season. The various circumstances under which cholera is reported to have made its appearance in the several districts only go to show that it breaks out under the most opposite conditions, and that its real origin remains as mysterious as ever. In the Godavery District its breaking out is attributed by the Superintendent of Police to the filthy state of the villages. The Collector of Ganjam, on the other hand, reports that its ravages were confined to the cleanest and best kept part of the town, while the low-lying and densely populated localities escaped altogether. In Nellore cholera existed throughout the year in portions of the Gudur Taluq, which is by no means an unhealthy part of the district. In North Arcot a great portion of the district enjoyed perfect immunity, while certain taluqs alone suffered severely. In Tanjore during the Mussulman feast at Nagore, when an immense crowd is collected for several days together, there was absolute immunity from cholera, though it was prevalent in the contiguous villages till the feast commenced. The Collector remarks that from the small number of deaths spread over a large area it can hardly be said to have had any course of its own, or to have been at all epidemic.

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The remarks of other Collectors on the subject are of a general character, and call for no notice.

9. Wherever this disease made its appearance the district officers did not neglect to distribute Chlorodyne and Cholera-pills which saved many lives. The same faith is not placed on these medicines everywhere; for in Nellore the inhabitants of Gudur village are reported by the Collector to have obstinately refused all medical aid, or even to touch Chlorodyne.

	Fasli 1279.	Fasli 1280.
Ganjam	181	386
Vizagapatam	311	311
Godavery	534	1,009
Kistna	1,149	998
Nellore	1,368	937
Cuddapah	857	942
Bellary	816	907
Kurnool	1,088	828
Chingleput	180	285
North Arcot	474	503
South Arcot	794	1,517
Tanjore	854	1,399
Trichinopoly	194	359
Madura	626	689
Tinnevelly	1,216	1,650
Coimbatore	280	236
Salem	408	251
South Canara	220	3,499
Malabar	470	125
Nilgiris	23	...
Total	12,043	16,831

10. SMALL-POX.—Next to cholera comes small-pox. This disease prevailed in all the districts except the Nilgiris, and the mortality was greater than last year, especially in Godavery, South Arcot, Tanjore, and South Canara. In the last of these districts the number of deaths was no less than 3,499, and this notwithstanding that the vaccine Staff was increased and the number vaccinated during the year was more than double that in the year preceding.

11. The Vaccine Department appears to have worked satisfactorily during the year.

12. FEVER.—Fever comes next. Almost every district suffered severely from this disease, the total number of deaths from this cause exceeding that of last year by no less than 50,000. The unprecedentedly heavy fall of rain is the cause assigned by all the district officers for the prevalence of fever.

13. Assistant Surgeon Wright was deputed by Government in December 1870 to investigate the causes of the fever prevailing in the Godavery District where it has been the cause of fearful mortality during the last two years. His report together with those

	Fasli 1279.	Fasli 1280.
Ganjam	8,646	8,255
Vizagapatam	9,059	11,478
Godavery	20,042	11,492
Kistna	4,310	8,561
Nellore	2,375	6,935
Cuddapah	8,784	13,090
Bellary	7,001	9,143
Kurnool	7,596	10,023
Chingleput	2,868	3,793
North Arcot	9,000	15,307
South Arcot	3,813	9,858
Tanjore	7,065	7,777
Trichinopoly	3,436	9,404
Madura	4,314	6,969
Tinnevelly	3,640	7,273
Coimbatore	4,084	11,192
Salem	13,134	19,498
South Canara	5,113	4,892
Malabar	12,070	10,789
Nilgiris	439	439
Total	136,789	186,160

of the Sanitary Commissioner and the Inspector-General, Indian Medical Department, commenting on the above have been reviewed at length in Government Order, 14th June 1871, No. 828, Public Department. The result according to these authorities is that the fever of the Godavery District is due neither to the extended irrigation nor to the alleged unwholesomeness of the water of that river, but to the northerly winds of the north-east monsoon sweeping over the malarious jungles

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of the Hill-tracts of the Northern Circars before they reach the Godavery District.

	Fasli 1280
Ganjam	850
Vizagapatam	545
Godavery	592
Kistna	818
Nellore	928
Cuddapah	915
Bellary	1,954
Kurnool	525
Chingleput	1,563
North Arcot	3,699
South Arcot	1,452
Tanjore	2,516
Trichinopoly	1,517
Madura	1,827
Tinnevely	8,096
Coimbatore	3,022
Salem	2,546
South Canara	3,746
Malabar	4,422
Nilgiris	108
Total	41,683

Injuries.	Fasli 1280.
Suicide	2,290
Wounds	1,067
Accidents	8,584
Snake-bite or killed by wild beasts.	3,274
Total	15,215

is given by the Returns as 152,629, being about one-third of the total mortality.

17. It is matter for congratulation that the great gatherings at festivals in various parts of the Presidency went off during this year, as in the preceding, without any outbreak of epidemics. The usual sanitary precautions were everywhere taken, and with apparent success.

No. 350.

ORDER THEREON, 29th January 1872, No. 173.

Miscellaneous.

COMMUNICATED to the Public
Department.

2. The Government rely on the best exertions of the district officers being directed to ensure accuracy and completeness as far as possible in these district returns of vital statistics, but they recognize the difficulties that must at first surround the subject. These, however, can be overcome more or less completely by steady perseverance, and the Government trust that the district officers will be able to interest their Native subordinates in the work, and teach them to appreciate its importance to the well being of the community.

3. The Government observe that, although the Board speak of cholera as being the most active as well as most destructive of the diseases specified, the

According to this theory there would be very little hope left for the ill-fated population of the Godavery Delta. Dr. Balfour, however, considers the subject to be one requiring more extensive data and observation for its satisfactory lucidation.

14. BOWEL COMPLAINTS.—The mortality from "Bowel-complaints" is now exhibited separately according to the revised form prescribed by the Government of India. Formerly it was merged with deaths from "Other Causes." The marginal note shows the number of deaths registered under this head in the several districts. The very large number of deaths in the Tinnevely District remains totally unaccounted for.

15. INJURIES.—The mortality under this head, which has also been newly opened, is noted in the margin. The destruction of human life by snake-bites and wild beasts is very large.

16. OTHER CAUSES.—The total number of deaths from "Other Causes"

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deaths from fever are more than four times as numerous; and it seems probable that this number might be increased by more accurate diagnosis of disease in the Godavery District, where the deaths from cholera are by the return most numerous, being nearly 10,000 out of total of about 45,000 for the whole Presidency; as it was on a former occasion pointed out in the Medical Department that there was reason to believe many deaths were assigned in that district to cholera, which were really due to fever. The decrease in the returns of deaths from fever in this district in the year under report as compared with the previous year is very marked, the later number being 11,492 against 20,042 in the former year.

4. The Government desire to know from the Board whether the Collectors of the most fever-stricken districts have adopted any special means for placing fever-medicines within the reach of the poorer classes. They trust that ere long Mr. Broughton may be able to supply the "Amorphous quinine" in such quantities and at such cost as may allow of its wide and habitual use wherever this scourge prevails.

5. The excessive and prolonged duration of the rainy season in the year under report, while probably accounting for the increase of mortality from fever, may explain also the unsatisfactory return of deaths from small-pox, which increased by upwards of one-third from 12,043 to 16,831, of which number 3,499 were in the district of Canara alone, and this notwithstanding increased exertions in regard to vaccination. The difficulties in the way of success in this operation are doubtless aggravated by the nature of the climate on the West Coast; but the Government trust that these difficulties will operate as incentives to perseverance, and that the Municipal and Local Boards will spare no cost in maintaining their Vaccine Establishment at adequate strength and in thoroughly effective condition. The contrast between Canara and Malabar is so extraordinary as to warrant distrust of the diagnosis, and the Collectors should endeavour in correspondence to arrive at some explanation of the matter.

(True Extract.)

Secretary to Government.

To the Public Department.

.. the Board of Revenue.

.. the Sanitary Commissioner.

To J. Broughton, Esq.

Exd. F. R. Bantleman.

Abstract Statement of Births in the Presidency of Madras for Fasli 1280.

Abstract Statement of Births in the Presidency of Madras for Fasli 1280.																	
District	POPULATION OF THE VILLAGES FROM WHICH RETURNS WERE RECEIVED.							TOTAL BIRTHS.							Ratio per 1,000 of population.	Remarks.	
	Hindoos.		Mahomedans.		Christians.		Total.	Hindoos.		Mahomedans.		Christians.		Total.			
	Males.	Females.	Males.	Females.	Males.	Females.		Males.	Females.	Males.	Females.	Males.	Females.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Ganjam	614,549	579,464	2,149	2,305	593	600	1,229,660	11,351	9,980	16	12	4	4	21,367	17·37	Exclusive of Fozzlabegpetta and 27 Hamlets Hills from which no returns are received a population of 7,549. Do. of the six Taluqs of Jeypore, comprising 2,934 villages with a population of 429,513.	
Vizagapatam	777,947	711,655	7,249	7,213	427	554	1,505,045	10,884	10,147	86	71	8	10	21,206	14·08		
Godavery	706,367	688,120	15,536	15,918	804	719	1,427,464	10,709	10,144	145	101	5	1	21,105	14·78		
Kistna... ..	625,466	595,476	35,159	33,619	3,463	3,469	1,296,652	11,419	10,876	469	459	59	63	23,345	18·00		
Nellore... ..	577,026	533,915	28,921	27,498	667	637	1,168,664	8,085	7,502	257	241	11	6	16,102	13·77		
Cuddapah	551,196	506,888	45,584	39,527	881	683	1,144,759	7,522	7,099	578	468	14	6	15,687	13·70		
Bellary... ..	630,567	578,992	48,435	43,959	1,576	1,278	1,304,807	13,424	12,584	913	850	12	18	27,801	21·30		
Kurnool... ..	352,376	331,500	43,288	40,200	1,815	1,678	770,857	7,162	6,976	608	549	21	13	15,329	19·88		
Chingleput... ..	395,036	374,727	10,711	10,222	7,513	6,074	804,283	8,302	7,972	99	74	67	45	16,559	20·58		
North Arcot... ..	872,557	829,277	37,856	35,844	2,610	2,472	1,780,616	18,855	17,664	427	396	42	30	37,414	21·01		
South Arcot... ..	632,117	579,376	16,201	15,289	9,866	8,997	1,261,846	9,360	8,524	170	159	78	50	18,341	14·53		
Tanjore... ..	776,946	798,399	39,582	45,259	28,163	28,919	1,717,268	23,112	21,584	990	808	484	444	47,422	27·61		
Trichinopoly	465,198	458,644	10,615	10,483	21,114	21,397	987,451	8,482	7,661	175	134	316	295	17,063	17·27	Exclusive of the Town of Trichinopoly where no births were registered during the year. The Municipality have now taken steps to have it done and the particulars will appear in future returns. The particulars for the Zemindaries of Nevagunga and Ramnad are included in this return only for the first three months of the Fasli owing to the irregularity in the submission of statistics.	
Madura... ..	878,608	886,932	58,943	60,230	30,566	31,110	1,946,389	8,798	7,951	356	332	164	169	17,770	9·12		
Tinnevely	673,298	677,630	39,726	41,405	47,595	47,044	1,526,698	11,102	10,419	567	515	644	588	23,835	15·61		
Coimbatore... ..	687,336	671,242	13,398	13,028	4,283	4,295	1,393,582	9,351	8,474	150	137	51	36	18,199	13·06		
Salem	789,405	778,779	21,305	20,063	4,848	4,833	1,619,233	20,294	18,949	272	201	61	53	39,830	24·59		
South Canara.....	367,078	355,870	36,147	34,298	21,734	20,892	836,019	7,928	7,448	581	571	511	446	17,485	20·91		
Malabar	669,807	670,371	238,465	234,439	18,934	17,789	1,849,805	15,065	13,837	6,012	5,754	357	355	41,380	22·36		
Neilgires	15,632	13,691	1,367	481	3,859	3,112	38,142	277	225	4	3	76	44	629	16·49		
Total...	12,088,512	11,620,948	750,637	731,280	211,311	206,552	25,609,240	221,482	206,016	12,875	11,835	2,985	2,676	457,869	17·87		Exclusive of the Amandivi Islands.

Register of Deaths in the several Districts

Districts.	Population of the Villages from which Returns were received.	CLASSES.				CAUSE OF DEATH.																		Total Deaths.	
		Christians.	Mahomedans.	Hindoos.	Other Classes.	Cholera.		Small Pox.		Typhoid Fevers.	Bowel Complaints.		Injuries.								All other Causes.				
						Male.	Female.	Male.	Female.		Female.	Male.	Female.	Suicide.		Wounds.		Accident.		Snake bite or killed by wild beasts.					
														Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Ganjam	1,229,660	6	55	13,641	3	215	188	174	212	4,441	3,814	552	298	19	17	15	12	93	100	72	48	1,820	1,615	7,401	6,304
Vizagapatam ...	1,505,045	32	180	16,271	69	140	119	146	165	6,003	5,215	317	228	66	74	17	9	176	146	81	60	1,800	1,530	9,006	7,546
Godavery	1,427,464	18	586	32,509	...	5,278	4,700	523	486	6,006	5,226	310	282	51	119	12	7	175	132	105	50	4,710	4,681	17,430	15,683
Kistna	1,296,652	105	992	21,885	...	1,325	1,111	492	506	4,008	3,923	435	383	92	95	21	10	276	246	51	39	5,059	4,280	12,389	10,593
Nellore	1,168,664	36	473	15,829	6	550	435	492	445	3,001	3,164	537	391	97	101	30	9	211	205	86	61	3,088	2,671	8,862	7,482
Cuddapah	1,144,759	52	1,321	17,478	637	321	289	419	523	7,007	5,833	533	382	44	84	29	16	254	292	92	52	1,588	1,480	10,537	8,951
Bellary	1,304,807	13	1,192	21,143	...	5	4	453	454	4,006	4,347	998	956	40	54	37	23	215	231	68	34	5,058	4,575	11,670	10,678
Kurnool	770,857	39	1,400	13,208	...	10	8	400	428	5,008	4,675	291	234	19	48	30	15	179	154	62	27	1,419	1,300	7,758	6,889
Chingleput	804,283	80	211	14,056	6	501	405	134	151	1,001	1,902	867	698	36	27	33	18	290	230	67	46	3,826	3,681	7,645	7,158
North Arcot ...	1,780,616	56	843	33,923	...	1,313	1,063	241	262	7,001	7,416	1,974	1,725	83	101	71	56	506	549	103	73	5,956	5,439	18,138	16,684
South Arcot ...	1,261,846	194	392	23,215	...	1,223	970	779	738	5,003	4,685	900	592	56	53	67	26	263	268	155	80	4,026	3,747	12,642	11,159
Tanjore	1,731,703	1,080	1,601	36,893	...	818	736	711	688	3,003	4,004	1,337	1,179	40	33	32	20	370	407	217	203	12,548	12,458	19,846	19,728
Trichinopoly ...	1,006,826	702	421	18,759	78	1,075	853	175	184	4,004	4,660	815	702	24	31	24	28	121	142	111	85	3,121	3,065	10,210	9,750
Madura	1,946,389	414	1,176	19,337	10	3,141	2,510	360	329	3,005	3,414	947	880	42	56	29	18	82	65	92	65	2,817	2,535	11,065	9,872
Tinnevelly	1,526,698	1,819	2,118	30,591	...	3,911	3,357	847	803	2,005	3,418	4,264	3,832	124	102	48	20	181	187	86	44	4,925	4,524	18,241	16,287
Coimbatore	1,393,582	71	355	23,201	...	1,580	1,333	113	123	6,002	5,070	1,663	1,359	53	44	43	15	200	233	138	58	2,997	2,483	12,909	10,718
Salem	1,619,233	132	578	37,130	...	1,863	1,600	129	122	1,008	9,440	1,386	1,160	85	89	74	47	305	270	171	86	5,731	5,224	19,802	18,038
South Canara ...	836,019	758	1,445	16,940	...	276	232	1,926	1,573	7,007	2,325	2,051	1,695	74	32	33	17	238	187	76	53	3,003	2,785	10,244	8,899
Malabar	1,849,805	659	7,150	20,845	...	785	741	80	45	6,000	4,609	2,321	2,101	52	32	47	8	246	155	206	71	5,977	5,006	15,886	12,768
Neilgires	38,142	127	36	463	13	4	1	...	...	2,004	215	66	42	1	...	1	...	3	1	...	...	46	35	345	294
Total...	25,643,050	6,393	22,525	427,767	822	24,334	20,655	8,594	8,237	98,005	87,355	22,564	19,119	1,098	1,192	693	374	4,384	4,200	2,039	1,235	79,515	73,114	242,026	215,481

s of the Madras Presidency for Fusly 1280.

the Madras Presidency for Fusly 1880.

Total.	AGE AT TIME OF DEATH.										RATIO PER 1,000 OF POPULATION.										From all Causes.
	Born Dead.	Not exceeding 1 year.	1 to 6.	6 to 12.	12 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	Exceeding 60.	Cholera.	Small Pox.	Fevers.	Bowel Complaints.	Injuries.	Males.	Female.	Total.			
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45			
13,705	272	2,461	1,604	930	1,116	1,565	1,330	1,193	1,372	1,862	·32	·31	6·71	·69	·30	6·02	5·12	11·14	Exo h		
16,552	216	1,919	1,563	1,017	1,230	1,889	1,807	2,003	2,373	2,535	·17	·20	7·62	·36	·41	5·98	5·01	10·99	Ex v		
33,113	300	2,383	4,520	2,608	3,177	4,653	3,592	3,232	3,581	5,067	6·99	·70	8·05	·41	·45	12·21	10·98	23·19			
27,982	392	2,525	3,374	1,643	1,676	2,409	1,800	1,858	2,485	4,820	1·87	·76	6·60	·63	·64	9·55	8·17	17·72			
16,344	250	1,699	2,058	1,018	1,282	1,469	1,341	1,355	1,808	4,064	·84	·80	5·93	·79	·68	7·57	6·40	13·98			
19,488	350	1,669	1,628	1,025	1,378	2,593	2,473	2,413	2,764	3,195	·53	·82	11·43	·79	·75	9·20	7·81	17·02			
22,348	736	3,103	2,451	1,142	1,292	2,633	2,406	2,387	2,642	3,556	...	·69	7·00	1·49	·53	8·94	8·18	17·12			
14,647	227	1,635	1,893	858	817	1,548	1,415	1,557	1,970	2,727	·02	1·07	13·00	·68	·69	10·06	8·93	19·00			
14,803	465	2,844	1,962	792	789	1,265	1,115	1,128	1,412	3,031	1·12	·35	4·71	1·94	·92	9·50	8·89	18·40			
34,822	829	6,068	4,212	1,811	1,978	3,169	3,051	3,111	3,749	6,844	1·33	·28	8·59	2·07	·86	10·13	9·31	19·55			
23,801	347	3,328	3,676	1,446	1,309	2,110	2,057	2,230	2,395	4,903	1·73	1·20	7·81	1·15	·76	10·01	8·84	18·86			
39,574	1,401	9,422	5,067	1,786	1,747	3,049	2,863	2,926	3,214	8,099	·89	·80	4·49	1·45	·76	11·46	11·39	22·85			
19,960	514	2,858	3,125	1,298	1,157	1,571	1,698	1,743	1,906	4,090	1·91	·35	9·34	1·50	·56	10·14	9·68	19·82			
20,937	223	1,722	3,525	1,614	1,521	2,548	2,374	2,213	2,221	2,976	2·90	·35	3·58	·93	·23	5·68	5·07	10·75			
34,528	809	4,612	6,728	2,514	2,081	3,459	3,068	2,895	3,191	5,171	4·76	1·08	4·76	5·30	·51	11·34	10·66	22·61			
23,627	438	2,551	2,649	1,459	1,584	2,686	2,907	2,852	2,924	3,577	2·09	·16	8·03	2·16	·56	9·26	7·69	16·95			
37,840	757	5,959	4,911	2,803	2,496	3,723	3,931	3,754	4,062	5,444	2·13	·15	12·04	1·57	·69	12·22	11·13	23·36			
19,143	653	2,513	2,122	1,064	1,509	2,658	2,405	1,915	1,970	2,334	·60	4·18	5·85	4·48	·84	12·25	10·64	22·89			
28,654	753	2,968	3,567	1,672	1,795	3,491	3,573	2,890	2,808	5,137	·82	·06	5·82	2·39	·44	8·27	6·90	15·49			
639	1	68	101	32	40	95	109	65	56	72	·13	...	11·50	2·83	·15	9·4	7·70	16·75			
457,507	9,933	62,307	60,736	28,532	29,974	48,583	45,315	43,720	48,903	79,504	1·75	·65	7·25	1·62	·59	9·3	8·40	17·84			

Exclusive of Fozzlabegpatta and twenty-seven hamlets on the Kimidy Hills from which no returns are received having a population of 7,549.

Exclusive of the six Taluqs of Jeypoor comprising 2,934 villages with a population of 429,513.

The particulars for the Zemindaries of Shevaganga and Ramnad are included in this return only for the first three months of the Fusly owing to the irregularity in the submission of statistics.

Exclusive of the Amandivi Islands.

Revenue Dept.

#173.

6

Pros of the Madras Govt

Under date the 29th Jan'y: 1872.

Read the following
letter from the Sub Secretary
to the Board of Revenue

Submitting report on
Sanitary condition of Districts
of Madras Presidency for
Fasly 1280 (1870-71) with annual
abstract statements of births
and deaths.

H. E. 12. Decr. 1871, No. 1995.

Communicated
to the Public Department.

2. The Govt rely on the
best exertions of the District
Officers being directed to
ensure accuracy and
completeness as far as
possible in these District
returns of Vital statistics,
but they recognise the
difficulties

A. A. N.
J. S.

difficulties that must at
first surround the subject.
These however can be over-
come more or less com-
pletely by steady perse-
verance and the Govt.
trust that the District
officers will be able to
interest their native
subordinates in the work
and teach them to ap-
preciate its importance
to the well-being of the
community.

2. The Govt. observe
that although the Board
speak of Cholera as
being the most active
as well as most destructive
of the diseases specified,
the

the deaths from Fever
are more than four times
as numerous, and it
seems probable that
this number might be
increased by more accu-
rate diagnosis of disease
in the Godavery district
where the deaths from
Cholera are by the return
most numerous being
nearly 10,000 out of total
of about 45,000 for the
whole Presidency; as it
was on a former occasion
pointed out in the Medical
department that there
was reason to believe
many deaths were
assigned in that District

to cholera which were really due to fever. The decrease in the returns of deaths from Fever in this District in the year under report as compared with the previous year is very marked, the latter number being 11,492 against 20,042 ^{in former} in last year.

3. The Govt. desire to know from the Board whether the Collectors of the most fever-stricken districts have adopted any special means for placing fever medicines within the reach of the

the poorer classes. They trust that ere long Mr. Broughton may be able to supply the "Amorphous Quinine" in such quantities and at such cost as may allow of its wide and habitual use wherever this scourge prevails.

4. The excessive and prolonged duration of the rainy season in the year under report while probably accounting for the increase of mortality from Fever may explain also the unsatisfactory returns of deaths from small-pox, which

which increased by up-
wards of one third from
12,043 to 16,831, of which
number 3499 were in
the district of Canara
alone, and this notwith-
standing increased exertions
in regard to vaccination.
The difficulties in the
way of success in this
operation are doubtless
aggravated by the nature
of the climate on the
west coast, but the Govt
trust that these will
operate as incentives
to perseverance and
that the Municipal
and Local Boards
will spare no cost in
maintaining

maintaining their
vaccine establishments
at adequate strength and
in thoroughly effective condition.
The contrast between
Canara and Malabar
is so extraordinary as
to warrant distrust
of the diagnosis and
the collection should
endeavour in correspondence
to arrive at some ex-
planation of the matter.

- 5. Public Dept. D. 30 Jan'y/72
- 14. Board of Revenue
- 1 Sanitary Commissioner
- 1 Copy to Mr. Broughton.

Enc. Hh