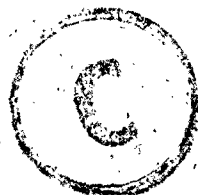


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Report on Vaccination
in the Madras Presidency
1892-93

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REPORT ON VACCINATION



IN

THE MADRAS PRESIDENCY

FOR THE YEAR

1892-3

M E N D I N G S L I P

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 செப்பனுவதற்காக எடுத்துக்
 கொள்ளப்பட்ட
 கைம்மா மாதம் 1989 வருடம்
 செப்பனிட முடிந்த
 கைம்மா மாதம் 1989 வருடம்
 இராபர்ட் உதவிப்பாளர்
 கையொப்பம்



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Print

VACCINATION REPORT.

The percentage of success both in primary operations and in re-vaccinations was greater than that of the previous year.

6. The operations according to age were—

Establishment.	Ages successfully vaccinated in 1890-91.			Total number of persons vaccinated in 1890-91.	Ages successfully vaccinated in 1891-92.			Total number of persons vaccinated in 1891-92.	Ages successfully vaccinated in 1892-93.			Total number of persons vaccinated 1892-93.
	Under one year.	Over one and under six years.	Above six years.		Under one year.	Over one and under six years.	Above six years.		Under one year.	Over one and under six years.	Above six years.	
Government	1,509	8,793	8,384	17,901	1,714	7,470	5,723	16,507	1,625	7,126	5,072	13,142
Local Funds	136,383	416,953	162,775	714,439	167,351	441,507	169,800	669,391	202,327	492,119	188,232	667,391
Native States	933	3,773	1,911	6,403	780	3,592	2,058	6,628	667	3,764	2,105	6,883
Municipalities	31,729	32,032	14,183	99,058	41,047	41,233	18,622	110,593	46,156	49,668	19,780	114,953
Cantonments	1,943	1,400	...	5,862	1,776	1,232	...	3,385	2,034	1,870	873	6,683
Civil Dispensaries	8,816	19,540	7,499	42,633	7,936	20,444	7,734	47,352	6,723	16,412	7,128	39,341
Medical Subordinates	100	236	2,882	3,218	48	193	2,438	8,463	88	162	3,637	15,142
Total	182,256	433,981	188,341	900,560	310,652	518,657	201,410	1,033,420	259,459	630,220	229,826	1,164,541

The number successfully vaccinated under one year of age exceeded that of the previous year by 48,807.

Following shows the average number of operations per man by different plants:—

Number of vaccinators.		Average number of operations per man.			Increase or decrease per man.	
		1890-91.	1891-92.	1892-93.	Increase.	Decrease.
92.	1892-93.	1,152	1,302	1,449	147	...
			750	688	...	62
			663	688	25	...
			669	658	58	...
			1,036	...	...	10.
			...	915	418	...
					128	...

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Districts.	Total number of vaccinations.		Number of successful vaccinations.						Ratio per cent of successful cases.		Average cost of each successful case.		Average number of operations performed by each vaccinator.					
	1890-91.		1891-92.		1892-93.		1890-91.		1891-92.		1892-93.		1890-91.		1891-92.		1892-93.	
	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.
Anantapur	12,471	16,710	10,975	283	18,575	47	15,203	443	91.0	88.9	96.2	0 6 0	0 5 7	0 5 4	734	989	957	
Bellary	22,920	23,240	21,010	1,106	22,110	485	23,845	159	96.5	97.3	98.3	0 4 6	0 5 0	0 5 5	255	938	1,017	
Chingleput	38,197	36,715	34,926	753	38,691	376	34,242	262	95.3	93.0	94.0	0 3 3	0 3 2	0 3 4	1,861	1,767	1,606	
Coimbatore	48,941	48,005	45,632	756	42,573	269	5,886	1,119	94.7	88.1	92.5	0 3 1	0 3 5	0 2 6	1,255	1,948	1,691	
Cuddapah	33,130	32,671	30,345	632	30,006	1,081	36,588	890	93.7	95.8	95.3	0 5 8	0 5 8	0 5 3	948	1,142	1,122	
Ganjam	23,375	27,513	25,365	22,193	1,001	26,704	494	27,121	428	90.2	93.8	97.1	0 3 8	0 3 8	0 3 8	730	889	915
Godavari	35,171	45,472	44,152	3,407	42,670	1,974	41,913	516	97.9	90.2	94.5	0 4 1	0 4 0	0 4 4	782	1,011	920	
Kistna	48,394	51,845	50,973	49,668	1,027	43,681	915	40,852	731	92.4	86.0	93.4	0 3 10	0 3 10	0 3 7	1,028	1,058	1,062
Kurnool	34,058	29,875	25,945	7,992	21,563	7,095	19,236	1,978	92.7	93.7	96.0	0 3 0	0 4 1	0 4 7	2,836	2,490	2,162	
Madras	56,814	61,235	55,041	21,961	54,469	1,669	79,600	1,149	93.3	91.8	95.0	0 2 10	0 2 9	0 2 2	1,853	1,459	2,009	
Mahar	44,025	49,498	50,960	1,025	49,390	1,501	55,570	1,26	92.3	90.8	93.2	0 3 1	0 3 1	0 2 7	1,759	1,289	1,386	
Nellore	37,290	38,019	36,953	33,318	640	34,576	224	35,457	265	90.8	91.5	91.7	0 4 2	0 4 3	0 4 1	1,242	1,226	1,257
Nilgiris	2,145	2,465	2,992	1,617	80	1,033	321	2,492	207	89.4	91.0	95.6	0 8 5	0 8 3	0 5 8	715	822	931
North Arcot	43,063	48,541	46,999	1,128	45,215	1,376	51,847	1,993	95.9	95.4	96.7	0 3 9	0 3 10	0 3 9	1,259	1,257	1,506	
Salem	56,364	63,374	66,410	49,514	3,140	56,327	2,392	60,729	2,207	91.3	92.3	94.9	0 2 9	0 2 4	0 2 2	1,799	1,562	1,431
South Arcot	28,012	48,334	35,149	537	45,614	493	60,163	2,003	93.8	93.3	96.3	0 8 1	0 2 10	0 8 3	1,311	1,611	1,792	
South Canara	29,993	46,473	27,751	771	33,043	1,384	41,885	1,744	93.1	93.3	95.9	0 2 10	0 2 5	0 1 11	1,190	1,476	1,768	
Tanjore	40,331	41,564	39,332	1,169	36,702	1,405	37,132	1,114	93.0	91.7	92.0	0 8 2	0 8 4	0 8 5	1,090	1,101	1,123	
Tinnevely	66,112	69,685	50,586	2,638	63,117	4,118	73,153	4,952	98.3	95.9	96.8	0 2 9	0 2 4	0 2 1	1,336	1,635	2,015	
Trichinopoly	38,912	39,919	40,272	1,869	39,473	2,026	42,290	2,912	96.2	94.1	97.7	0 2 4	0 2 1	0 2 1	1,637	1,884	3,086	
Vizagapatnam	41,007	41,641	48,599	3,801	38,267	2,216	44,657	1,711	97.9	97.2	95.4	0 2 7	0 2 3	0 2 8	1,243	1,362	1,472	
Total	781,430	860,801	807,901	32,672	738,656	31,814	889,045	29,942	94.5	93.0	95.0	0 3 5	0 3 4	0 3 1	1,182	1,302	1,449	

I regret to say that the work decreased in seven districts—

Anantapur.—The decrease of 458 cases, compared with the figures for the previous year, is attributed to the great opposition to vaccination, vaccinators having been maltreated more than once; to the staff being incomplete; and to severe cholera in July, August and September.

Chingleput.—There was a decrease of 5,257 cases. The decrease occurred almost entirely in the Chingleput range where the Deputy Inspector was in failing health; he has since been compelled to retire.

Cuddapah.—The decrease of 626 cases is said to be due to the prevalence of fever from December onwards.

Godavari.—The decrease was due entirely to short work in the Pittapore range, where, owing to unavoidable causes, three different deputies held charge during the year.

Kistna.—Small-pox was less prevalent; this and the apathy of the revenue officials are said to account for the decrease of 872 cases.

Kurnool.—The large decrease of 3,931 cases is attributed to cholera, fever and general distress in the district. The Cumbum deputy died during the year. The Kurnool deputy was in bad health and has since been transferred.

Tanjore.—The decrease was confined to the Negapatam range. It is said to be due to irregular supply of calves, and to a decrease in the minimum number of cases which each vaccinator has to turn out.

In some cases, no doubt, the frequent changes of medical officers operated injuriously on the work of vaccination.

10. The following table shows the proportion of males to females vaccinated by Local Fund agency:—

Districts.	Population according to census of 1891.		1890-91.		1891-92.		1892-93.	
	M.	F.	Total number vaccinated.	Proportion per cent. to total number vaccinated.	M.	F.	Total number vaccinated.	Proportion per cent. to total number vaccinated.
Anantapur	358,818	324,737	6,801	54.5	537	774	8,763	54.0
Bellary	415,506	398,910	12,308	53.7	10,863	533	11,077	52.2
Chingleput	552,161	542,719	19,841	51.9	20,429	513	18,557	50.5
Coimbatore	949,177	987,130	24,912	49.1	24,046	505	33,710	51.1
Cuddapah	637,655	617,053	17,766	63.6	18,046	548	19,261	53.6
Ganjam	735,819	738,374	12,659	54.1	12,827	530	12,988	54.2
Godavari	935,469	960,180	18,849	53.6	21,330	530	21,361	51.6
Kistna	893,594	876,079	25,636	53.0	24,142	532	25,701	51.6
Kurnool	420,491	408,440	21,196	65.2	21,501	532	20,984	52.8
Madura	1,181,863	1,255,607	33,116	53.2	33,913	668	33,177	51.8
Malabar	1,219,904	1,244,230	31,079	70.6	32,101	667	40,060	57.7
Nellere	716,890	706,680	19,974	50.5	18,362	509	19,334	50.4
Nilgiris	45,032	33,653	1,24	92.1	33,055	16,441	1,714	1,278
North Arcot	1,052,211	1,039,877	23,081	52.5	25,344	518	26,001	52.2
Salem	914,083	948,511	28,880	52.6	31,743	499	33,902	51.0
South Arcot	1,046,853	1,049,908	20,489	53.9	25,319	524	32,177	51.3
South Canara	487,842	523,595	16,460	54.9	18,486	501	24,432	51.3
Tanjore	963,349	1,050,688	21,143	52.3	21,631	521	21,621	52.2
Tinnevely	899,150	948,384	31,587	56.3	38,704	560	35,489	56.0
Tritcheopoly...	1,009,250	651,226	19,473	50.2	17,072	503	23,153	50.1
Vizagapatam	915,636	935,370	21,770	53.1	19,741	625	23,453	51.7
Total	15,954,677	16,344,025	425,364	54.4	398,710	537	516,977	53.4

* Worked on the population of Census for '931.

11. At the close of the year there were only four municipal towns in which vaccination was not compulsory, viz., Bimlipatam, Cochin, Karur and Tanjore. In many towns where vaccination is compulsory, though people may be prosecuted for failing to comply with the Act, comparatively few of them are actually punished.

12. The work of vaccination in the different municipalities is shown in the following table:—

VACCINATION REPORT.

Municipalities.	Population.	Total number vaccinated.			Primary vaccination.			Re-vaccination.			Proportion per cent. to total population.			Number of all successful vaccinations.			Percentage of success.		Average cost of each successful full case.
		Males.	Females.	Total.	Total.			Successful.	Above six years.	Total.	Successful.	Under one year.	Over one and under six years.	Above six years.	Number of all successful vaccinations.	Primary vaccination.	Re-vaccination.		
					Under one year.	Over one and under six years.	Above six years.												
Adoni	26,243	937	570	1,507	1,222	285	...	261	78-6	169	...	1,429	95-6	91-6	1,429	95-6	91-6	Rs. A. P.	
Anandapur	6,994	255	152	407	331	76	18	46	60-4	21-9	1-7	1,095	94-3	41-8	1,095	94-3	41-8	0 2 3	
Anakapalle	17,010	671	427	1,098	878	220	...	142	81-5	27-5	...	1,320	98-2	100-0	1,320	98-2	100-0	0 5 6	
Bellary	59,467	2,003	1,486	3,489	2,833	656	...	163	87-8	11-8	...	3,397	98-2	97-4	3,397	98-2	97-4	0 5 7	
Berhampur	23,653	770	481	1,251	1,033	218	...	223	87-8	12-2	...	1,256	98-2	97-4	1,256	98-2	97-4	0 5 8	
Borwada	20,741	479	381	860	606	254	...	133	87-8	12-2	...	1,040	98-2	97-4	1,040	98-2	97-4	0 5 9	
Bimlipatam	9,827	301	204	505	399	106	...	103	87-8	12-2	...	1,040	98-2	97-4	1,040	98-2	97-4	0 6 0	
Calicut	68,078	2,494	1,242	3,736	3,701	35	...	27	87-8	12-2	...	3,736	98-2	97-4	3,736	98-2	97-4	0 6 1	
Cannanore	27,418	1,074	889	1,963	1,833	130	...	103	87-8	12-2	...	1,963	98-2	97-4	1,963	98-2	97-4	0 6 2	
Chitradole	18,241	435	313	748	653	95	...	88	87-8	12-2	...	1,040	98-2	97-4	1,040	98-2	97-4	0 6 3	
Chidambaram	18,640	406	306	712	583	129	...	103	87-8	12-2	...	1,040	98-2	97-4	1,040	98-2	97-4	0 6 4	
Cochin	17,601	437	376	813	700	113	...	103	87-8	12-2	...	1,040	98-2	97-4	1,040	98-2	97-4	0 6 5	

VACCINATION REPORT.

Cocanada	40,553	1,034	749	1,783	1,697	86	...	46	8-6	23-7	...	1,041	98-6	98-7	1,041	98-6	98-7	0 4 8
Coimbatore	46,883	1,265	811	2,076	1,835	241	...	77	21-2	33-9	...	2,076	98-6	98-7	2,076	98-6	98-7	0 4 9
Conjeevaram	42,548	1,336	931	2,267	2,150	117	...	46	45-9	38-6	...	2,267	98-6	98-7	2,267	98-6	98-7	0 5 0
Cooner	6,049	203	115	318	271	47	...	25	69-1	29-7	...	318	98-6	98-7	318	98-6	98-7	0 5 1
Gaddalore	47,355	1,300	885	2,185	2,072	113	...	15	26-8	52-4	...	2,185	98-6	98-7	2,185	98-6	98-7	0 5 2
Gaddapah	17,373	627	412	1,039	967	72	...	210	48-4	43-4	...	1,039	98-6	98-7	1,039	98-6	98-7	0 5 3
Gadgil	20,303	495	337	832	767	65	...	41	50-1	49-7	...	832	98-6	98-7	832	98-6	98-7	0 5 4
Ellore	29,383	878	606	1,484	1,457	27	...	60	74-3	51-5	...	1,484	98-6	98-7	1,484	98-6	98-7	0 5 5
Erode	12,330	351	278	629	571	58	...	6	47-1	46-2	...	629	98-6	98-7	629	98-6	98-7	0 5 6
Gadgilatam	18,747	437	325	762	723	39	...	23	33-9	31-1	...	762	98-6	98-7	762	98-6	98-7	0 5 7
Gardur	23,359	837	548	1,385	1,359	26	...	5	33-9	31-1	...	1,385	98-6	98-7	1,385	98-6	98-7	0 5 8
Kardur	10,750	291	182	473	420	53	...	8	41-7	39-5	...	473	98-6	98-7	473	98-6	98-7	0 5 9
Kannakulam	54,307	1,771	1,139	2,910	2,745	165	...	22	10-3	47-5	...	2,910	98-6	98-7	2,910	98-6	98-7	0 6 0
Kurrool	24,270	645	427	1,072	1,033	39	...	6	38-7	36-9	...	1,072	98-6	98-7	1,072	98-6	98-7	0 6 1
Madras	452,516	12,348	11,139	23,487	22,933	554	...	48	58-5	38-2	...	23,487	98-6	98-7	23,487	98-6	98-7	0 6 2
Madura	87,429	1,763	1,422	3,185	3,151	34	...	22	39-8	47-9	...	3,185	98-6	98-7	3,185	98-6	98-7	0 6 3
Manjeri	20,865	507	317	824	783	41	...	30	38-7	36-9	...	824	98-6	98-7	824	98-6	98-7	0 6 4

* Not available.

VACCINATION REPORT.

Municipalities.	Population.	Total number vaccinated.			Primary vaccination.			Re-vaccination.		Proportion per cent. to total primarily vaccinated.			Number of all successful vaccinations and re- vaccinations.		Percentage of success.		Average cost of each success. (In) cash.	RS. A. P.
		Males.	Females.	Total.	Successful.			Total.	Successful.	Under one year.	Over one and under six years.	Above six years.	Primary vaccination.	Re-vaccination.				
					Under one year.	Over one and under six years.	Above six years.											
Mangalore	1880-01 .. 1891-02 .. 1892-03 ..	632 857 1,420	595 771 1,323	1,190 1,683 2,743	1,161 1,655 2,822	350 459 896	558 902 1,573	125 902 1,701	20 221 219	17 26.5 45.6	30.1 54.4 62.3	50.7 10.2 10.2	1,082 1,531 2,732	91.8 93.6 93.6	58.6 ...	0.24 0.24 0.24	8 3 6	
Masulipatam	1880-01 .. 1891-02 .. 1892-03 ..	1,811 1,816 1,528	1,137 1,801 1,387	2,947 2,917 2,915	2,833 2,760 2,833	405 405 879	1,510 1,510 1,444	63 488 44	157 157 82	5.5 12.3 23	12.7 54.1 23	54.7 26.3 40.4	2,611 2,611 2,611	93.8 93.8 93.8	84.4 84.4 72.2	0.3 0.3 0.5	6 6 5	
Mýsavaram	1880-01 .. 1891-02 .. 1892-03 ..	433 412 1,476	396 781 1,134	899 793 2,614	787 775 2,443	510 583 1,097	216 154 645	44 94 195	48 16 168	17 73.3 103	43 27.4 43.4	40.9 19.8 40.2	733 733 2,311	93.6 93.6 90.1	72.2 64.9 73.2	0.5 0.6 0.5	1 3 3	
Nagapattam	1880-01 .. 1891-02 .. 1892-03 ..	1,160 1,230 348	962 2,281 672	2,052 2,281 2,210	2,061 2,210 1,946	1,137 1,194 677	645 931 251	107 102 30	48 63 2	38 41 62	56.7 50.1 53.3	32.2 32.6 37.4	2,311 2,301 623	94.3 97.3 82.6	64.9 73.2 100.0	0.6 0.6 0.6	3 3 3	
Nellore	1880-01 .. 1891-02 .. 1892-03 ..	630 851 213	565 1,124 410	1,204 1,124 586	1,124 1,124 715	395 317 84	395 317 215	40 40 164	37 275 115	2 293 15	53.3 29.3 97.6	37.4 38.6 23.0	623 1,144 307	82.6 92.7 90.4	73.6 75.7 90.4	0.9 0.6 0.6	11 6 8	
Ongole	1880-01 .. 1891-02 .. 1892-03 ..	475 247 437	253 919 583	733 419 709	678 419 709	318 307 231	318 307 231	164 907 381	60 37 47	15 15 22	97.6 97.6 72	23.0 23.0 31.4	307 663 723	93.8 93.8 83.9	37.0 35.0 95.8	0.4 0.4 0.7	2 2 5	
Onsaranand	1880-01 .. 1891-02 .. 1892-03 ..	453 610 445	408 601 425	806 1,120 831	806 1,040 831	263 401 263	381 418 360	88 84 178	47 21 30	34 37 23	33.4 33.7 43.4	43.5 43.4 44.4	781 1,033 1,025	85.6 92.7 97.3	8.4 7.3 7.7	0.8 0.8 0.3	4 4 1	
Palamcottah	1880-01 .. 1891-02 .. 1892-03 ..	593 584 767	497 1,019 577	1,090 1,544 1,214	1,300 1,027 1,314	437 437 91	925 925 711	178 189 489	21 30 30	33 23 28	33.2 43.4 34.1	43.4 43.4 40.1	841 973 1,250	92.1 97.3 93.6	3.1 6.2 6.3	0.3 0.3 0.3	5 2 2	
Palghat	1880-01 .. 1891-02 .. 1892-03 ..	825 917 637	699 1,420 658	1,524 1,457 1,295	1,314 1,214 1,205	58 85 431	730 781 518	489 622 108	34 24 34	34 24 34	34.1 24.2 33.9	40.1 43.3 40.0	936 1,462 1,077	93.6 95.4 83.2	6.3 5.8 5.2	2 2 2	10 9 10	
Palakkineadi	1880-01 .. 1891-02 .. 1892-03 ..	388 407 484	390 432 324	710 711 916	719 711 870	431 134 281	518 224 384	108 25 18	34 25 59	34 25 43	33.9 33.4 43.3	40.0 36.7 45.0	841 973 393	92.1 97.3 95.2	5.2 5.4 5.9	2 2 2	10 9 10	
Periyakulam	1880-01 .. 1891-02 .. 1892-03 ..	277 217 501	239 105 425	506 412 927	506 412 809	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373
Palmi	1880-01 .. 1891-02 .. 1892-03 ..	217 217 501	105 105 425	506 412 927	506 412 809	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373	457 191 373

VACCINATION REPORT.

Rajmahundry...	{ 1880-91 ... 1892-92 ... 1890-91 ... 1890-91 ... 1892-93 ... 1890-91 ... 1891-92 ... 1890
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Compared with the work of last year, there was a decrease in the following municipalities :—Adóni, Berhampur, Bimlipatam, Cochin, Conjeeveram, Coonoor, Cuddapah, Guntúr, Madras, Masulipatam, Máyavaram, Ongole, Palamcottah, Parlákimedi, Srírangam, Trichinopoly, Tuticorin, Vániyambádi and Vizagapatam.

In some of them, no doubt, there was difficulty in getting an adequate supply of good animal lymph. A small municipality is unable to bear the cost of carrying on, independently, animal vaccination. In many instances I have suggested that District Boards and Municipalities might, with mutual advantage, work together.

The large decrease of 5,360 cases in the Trichinopoly Municipality is said to be due to the discontinuance of the practice of vaccinating outsiders who attend the market and bazaars.

In Cochin vaccination is not compulsory, and there is great opposition to the operation.

The results of the work performed in Calicut, Parlákimedi, Berhampur and Chicacole were exceedingly bad. The unsatisfactory state of vaccination in these towns has been brought to notice more than once by the Sanitary Commissioner and myself.

13. The following shows particulars of work done by Government vaccinators :—

Hill Tracts.		Number of vaccinators.	Number vaccinated.			Primary vaccination.				Re-vaccination.		Percentage of success.		Cost of each successful case.	Average number of operations per man.
						Total.	Successful.								
			Males.	Females.	Total.		Total.	Under one year.	Over one and under six years.	Above six years.	Total.	Successful.	Primary vaccination.		
RS. A. P.															
Ganjām ...	1890-91 ...	7	4,448	3,959	8,407	8,383	511	2,102	5,186	24	24	93.0	100.0	0 3 10	1,201
	1891-92 ...	7	3,345	3,421	6,766	6,766	733	1,845	3,870	...	...	91.5	...	0 6 2	966
	1892-93 ...	7	2,918	2,554	5,472	5,461	650	2,272	2,171	11	11	93.3	100.0	0 7 11	762
Peddāpuram.	1890-91 ...	1	377	285	662	662	19	181	435	...	...	95.5	...	0 7 10	662
	1891-92 ...	1	174	140	314	314	4	86	77	...	...	53.2	...	...	314
	1892-93 ...	1	318	332	650	650	52	321	219	...	...	91.1	...	* ...	650
Bhadrāchalām.	1890-91 ...	3	608	574	1,182	1,148	174	645	88	34	34	79.0	100.0	...	394
	1891-92 ...	4	1,469	1,246	2,714	2,593	235	1,246	697	121	115	83.9	95.0	0 6 1	678
	1892-93 ...	4	1,362	1,198	2,560	2,489	245	1,159	931	71	60	93.8	84.5	* ...	140
Ganupur.	1890-91 ...	4	1,079	807	1,886	1,663	164	919	592	23	8	89.9	34.8	0 13 5	465
	1891-92 ...	3	1,143	941	2,084	2,079	309	1,052	497	5	5	89.4	100.0	0 13 6	605
	1892-93 ...	3	1,609	1,362	2,971	2,951	508	1,406	550	20	20	84.9	100.0	0 10 2	990
Jeypore...	1890-91 ...	6	2,389	2,449	4,838	4,838	598	2,316	1,834	...	...	98.1	...	0 6 11	806
	1891-92 ...	5	1,948	1,878	3,826	3,826	411	2,049	1,259	...	...	97.2	...	0 10 1	765
	1892-93 ...	5	1,421	1,405	2,826	2,824	108	1,704	860	2	2	94.6	100.0	0 13 3	565
Gudem ...	1890-91 ...	2	467	459	926	926	43	628	249	...	...	99.3	...	0 8 7	463
	1891-92 ...	2	414	383	797	797	22	452	323	...	...	100.0	...	0 8 2	398
	1892-93 ...	2	365	208	663	663	62	264	301	...	...	94.6	...	0 8 6	331
Total ...	1890-91 ...	23	9,368	8,533	17,901	17,820	1,509	6,791	8,384	81	66	93.6	81.5	0 6 3	778
	1891-92 ...	22	8,492	8,009	16,501	16,375	1,714	7,470	5,723	126	120	91.0	95.2	0 8 0	750
	1892-93 ...	22	7,993	7,149	15,142	15,038	1,625	7,126	5,072	104	93	91.9	89.4	0 9 10	688

* Information not available.

† Exclusive of Peddápúram and Bhadráchalām Agencies.

The work appears to be steadily diminishing. The decrease of 1,294 cases in the Ganjam hill tracts is said to be owing to the absence of small-pox and to the bad work turned out by the vaccinators. The people are unwilling to submit to vaccination, except when small-pox is actually prevailing. In the Jeypore hill tracts the staff was incomplete, which partly accounts for the decrease of 1,000 cases. It is said to be impossible to keep the staff up to proper strength on the present low rate of pay. A calf vaccine depôt is to be established at Polavaram for the Gôdávri Agency tracts.

14. Table showing the work done in Native States.

Native States (Zemindaries).	Number of vaccinators.	Number vaccinated.			Primary vaccination.				Re-vac- cination.		Percentage of success.		Cost of each successful case.	Average number of operations per man.	
		Males.	Females.	Total.	Total.	Successful.			Total.	Successful.	Primary vaccination.	Re-vaccination.			
						Under one year.	Over one and under six years.	Above six years.							
Jeypore.	1890-91...	6	1,802	1,947	3,749	3,749	530	1,697	1,400	...	...	96.7	...	Rs. A. P. 0 2 6	625
	1891-92...	7	2,194	2,093	4,287	4,287	503	2,374	1,331	...	...	98.2	...	0 2 8	612
	1892-93...	7	2,422	2,249	4,671	4,671	428	2,642	1,342	...	...	94.5	...	0 3 6	667
Gunupur.	1890-91...	3	1,431	1,223	2,654	2,589	403	1,476	211	65	49	92.7	75.3	0 3 3	863
	1891-92...	3	1,329	1,012	2,341	2,341	277	1,218	727	...	...	94.9	...	0 4 6	780
	1892-93...	3	1,210	1,002	2,212	2,189	209	1,112	763	23	18	95.2	78.3	0 3 1	737
Total.	1890-91...	9	3,233	3,170	6,403	6,338	933	3,173	1,911	65	49	94.9	75.3	0 2 10	711
	1891-92...	10	3,523	3,105	6,628	6,628	780	3,592	2,058	...	...	97.0	...	0 3 4	663
	1892-93...	10	3,632	3,251	6,883	6,860	637	3,754	2,105	23	18	94.7	78.3	0 3 9	668

There was a small increase in the outturn of work.

15. The work done in dispensaries is shown in the following table :—

Districts.	Number of dispensaries.	Number vaccinated.			Number vaccinated successfully.			Percentage of success.			Average number vaccinated at each dispensary.	Success of primary vaccination.			
		Primary vaccination.	Re-vaccination.	Total.	Primary vaccination.	Re-vaccination.	Total.	Primary vaccination.	Re-vaccination.	Total.		Under one year.	Above one and under six years.	Above six years.	
Anantapur.	1890-91 ...	582	37	619	547	17	564	94.0	45.9	91.1	69	251	204	8	
	1891-92 ...	641	2	643	603	...	603	94.7	...	94.7	71	285	290	28	
	1892-93 ...	628	18	646	570	10	580	90.8	55.5	89.8	65	227	322	31	
Bellary ...	1890-91 ...	1,243	793	2,036	1,108	736	1,844	89.1	92.9	90.6	113	632	387	39	
	1891-92 ...	1,178	840	2,018	1,091	217	1,308	92.6	25.9	64.8	106	634	439	18	
	1892-93 ...	2,409	66	1,475	1,251	45	1,299	89.0	68.2	88.1	82	510	509	235	
Chingleput.	1890-91 ...	4,666	129	4,075	4,236	72	4,508	90.8	55.8	89.8	292	1,352	2,284	600	
	1891-92 ...	4,527	134	4,661	4,155	91	4,246	91.8	66.4	91.1	291	1,456	2,053	641	
	1892-93 ...	4,434	166	4,600	4,045	67	4,112	91.2	40.4	89.4	287	1,441	1,889	715	
Coimbatore	1890-91 ...	939	18	957	824	17	841	85.7	93.3	87.9	60	230	432	162	
	1891-92 ...	1,280	49	1,329	940	29	969	73.4	59.2	72.2	66	272	478	190	
	1892-93 ...	943	76	1,019	747	25	772	79.2	33.9	75.8	78	186	351	210	
Cuddapah...	1890-91 ...	1,052	12	1,064	829	1	830	78.8	8.3	78.0	82	197	454	178	
	1891-92 ...	538	38	576	473	15	488	87.9	39.5	84.7	41	93	234	146	
	1892-93 ...	472	31	503	351	21	372	74.4	67.7	71.0	36	38	194	119	
Ganjām ...	1890-91 ...	2,008	170	2,368	914	85	999	43.6	50.0	44.0	162	123	540	251	
	1891-92 ...	1,867	27	1,894	1,248	11	1,259	66.6	40.7	66.5	111	295	638	415	
	1892-93 ...	1,476	11	1,487	1,171	5	1,176	79.3	45.4	79.7	63	82	665	424	
Gōdāvari ...	1890-91 ...	1,955	95	2,050	1,523	75	1,598	76.7	78.9	76.8	99	137	912	474	
	1891-92 ...	2,698	119	2,817	2,005	64	2,069	74.3	53.8	73.4	141	151	1,083	771	
	1892-93 ...	767	11	778	646	8	654	84.2	72.7	84.1	37	47	431	168	
Kistna ...	1890-91 ...	1,015	23	1,044	785	15	800	77.3	51.7	76.6	47	86	396	303	
	1891-92 ...	1,026	41	1,070	915	39	954	89.2	88.6	89.1	59	180	444	391	
	1892-93 ...	2,589	940	3,429	1,880	735	2,615	72.6	87.5	76.3	190	269	926	685	
Kurnool ...	1890-91 ...	845	30	1,149	701	248	949	83.0	81.6	82.6	64	124	364	213	
	1891-92 ...	824	179	1,003	669	164	833	81.1	91.6	83.1	59	150	287	232	
	1892-93 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Madras Town.	1890-91 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	1891-92 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	1892-93 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Madura ...	1890-91 ...	4,312	431	4,773	3,701	232	3,933	85.2	53.8	82.4	133	788	2,462	451	
	1891-92 ...	4,792	413	5,212	3,702	937	3,939	77.1	57.4	75.6	127	1,058	2,110	525	
	1892-93 ...	2,575	271	2,846	1,942	160	2,108	75.6	61.3	74.1	71	639	1,133	170	
Malabar ...	1890-91 ...	727	43	770	560	29	589	77.0	67.4	76.5	33	24	154	282	
	1891-92 ...	1,401	42	1,443	1,064	27	1,091	75.9	64.3	75.7	63	102	372	500	
	1892-93 ...	1,151	65	1,213	871	29	900	75.7	41.6	74.0	61	49	234	568	
Nellore ...	1890-91 ...	1,094	29	1,123	1,434	11	1,445	84.2	87.9	83.3	69	149	962	323	
	1891-92 ...	3,535	45	3,580	3,190	30	3,220	90.2	87.9	89.9	138	381	2,056	753	
	1892-93 ...	910	7	917	793	5	798	87.1	71.4	87.0	46	97	513	183	
Nilgiris ...	1890-91 ...	100	66	166	92	61	153	92.0	92.4	92.2	41	19	21	52	
	1891-92 ...	87	333	420	70	284	354	80.4	85.3	84.4	105	1	24	45	
	1892-93 ...	29	...	29	28	...	28	96.6	...	96.6	14	4	7	17	
North Arcot.	1890-91 ...	2,532	191	2,723	2,205	115	2,320	87.0	60.2	85.2	152	403	1,366	426	
	1891-92 ...	2,915	144	3,089	2,641	90	2,731	89.7	61.1	88.4	151	...	...	...	
	1892-93 ...	2,565	21	2,586	2,357	27	2,412	93.4	79.1	93.2	133	552	1,502	344	
Salem ...	1890-91 ...	1,626	88	1,714	1,445	68	1,513	88.8	77.2	88.2	71	269	1,116	160	
	1891-92 ...	2,423	43	2,466	2,079	36	2,115	85.8	83.7	85.7	107	566	1,260	253	
	1892-93 ...	2,844	296	3,140	2,400	140	2,540	84.4	47.3	80.9	143	668	1,415	217	
South Arcot.	1890-91 ...	2,232	56	2,288	1,900	29	1,929	85.1	51.8	84.3	109	423	1,132	340	
	1891-92 ...	1,916	74	1,990	1,504	20	1,614	83.2	27.0	81.1	86	423	981	187	
	1892-93 ...	811	17	828	664	9	673	81.9	52.9	81.3	36	186	400	78	
South Canara.	1890-91 ...	483	26	509	366	10	376	75.9	38.5	73.9	34	38	221	107	
	1891-92 ...	590	68	658	474	52	526	80.3	76.5	79.9	44	51	256	167	
	1892-93 ...	1,002	167	1,169	875	130	1,005	87.3	77.8	86.0	78	61	490	324	
Tanjore ...	1890-91 ...	6,219	585	6,804	5,239	450	5,689	84.2	76.9	83.6	179	647	3,293	1,299	
	1891-92 ...	6,086	644	6,730	5,002	309	5,401	82.2	62.0	80.3	187	587	3,150	1,265	
	1892-93 ...	4,740	536	5,279	4,218	392	4,610	89.0	72.7	87.1	185	488	2,617	1,113	
Tinnevely.	1890-91 ...	1,598	40	1,638	1,396	15	1,411	87.3	37.5	86.1	68	126	867	403	
	1891-92 ...	1,592	67	1,679	1,425	46	1,471	89.5	52.9	87.6	67	136	736	493	
	1892-93 ...	1,438	108	1,546	1,150	64	1,214	80.0	59.2	78.5	62	118	630	362	
Trichino-poly.	1890-91 ...	1,619	87	1,716	1,422	86	1,508	87.8	68.0	87.9	114	163	947	312	
	1891-92 ...	1,287	105	1,392	1,168	48	1,236	92.3	55.7	88.7	93	119	893	176	
	1892-93 ...	1,164	74	1,238	1,024	38	1,062	88.0	51.4	85.8	83	225	627	172	
Vizaga-patam.	1890-91 ...	2,039	197	2,236	1,892	143	2,035	92.8	72.6	91.1	118	427	1,025	440	
	1891-92 ...	2,564	182	2,746	2,250	130	2,420	89.3	71.4	88.1	119	601	1,173	516	
	1892-93 ...	2,037	99	2,136	1,817	62	1,869	89.2	52.5	87.5	97	289	990	638	
Total ...	1890-91 ...	410	38,888	3,795	42,683	33,162	2,885	36,047	85.6	78.0	84.5	104	6,616	19,340	7,206
	1891-92 ...	427	43,531	3,821	47,352	36,104	2,167	38,271	82.9	56.7	80.8	111	7,936	20,444	7,724
	1892-93 ...	439	35,958	2,383	38,341	30,292	1,490	31,788	84.2	62.8	82.9	87	6,722	16,442	7,128

There was a decrease of 9,011 cases. This was to be expected, as, in accordance with G.O., dated 9th May 1892, No. 1066 L., Local and Municipal, the vaccination to be done by the Medical department is now discretionary. Medical subordinates often experience difficulty in obtaining a supply of lymph.

16. Vaccination in cantonments.

Cantonments.	Number of vaccinators.	Number vaccinated.			Primary vaccination.			Re-vaccination.	Percentage of success.		Cost of each successful case.	Average number of operations per man.
		Males.	Females.	Total.	Total.	Under one year.	Over one and under six years.	Above six years.	Total.	Successful.		
Bangalore...	1890-91 ...	2	376	430	806	696	481	168	...	110	93	95.8
	1891-92 ...	2	423	536	959	638	463	145	...	321	214	95.3
	1892-93 ...	2	419	282	701	616	447	132	...	85	65	94.0
Secunderabad...	1890-91 ...	4	1,656	1,400	3,056	2,985	1,462	1,232	...	71	63	90.3
	1891-92 ...	4	933	1,693	2,626	2,615	1,313	1,077	...	11	6	91.4
	1892-93 ...	4	2,320	3,063	5,383	4,500	1,607	1,747	...	873	798	92.1
Total ...	1890-91 ...	6	2,032	1,836	3,682	3,681	1,943	1,400	...	181	156	90.8
	1891-92 ...	6	1,356	2,229	3,585	3,253	1,776	1,222	...	332	220	92.2
	1892-93 ...	6	2,739	3,350	6,089	5,206	2,054	1,879	...	873	883	92.3

The increase was considerable. During the year a Deputy Inspector was put in charge of the vaccination work at Secunderabad.

17. The following table shows the inspection work of Deputy Inspectors of vaccination for 1892-93 :-

Circles.	Number of inspecting officers.		Number of villages visited.		Total number of persons vaccinated.	Number of days spent on inspection duty.	Number of cases verified.		Total number of cases inspected by Deputy Inspectors of all sorts.	Total number of successful cases inspected by Deputy Inspectors.	Percentage of successful cases to total number inspected as reported by Deputy Inspectors.	Proportion per cent. of inspection to total number vaccinated.	
	First-class Deputy Inspectors.	Second-class Deputy Inspectors.	First-class Deputy Inspectors.	Second-class Deputy Inspectors.			First-class Deputy Inspectors.	Second-class Deputy Inspectors.				First-class Deputy Inspectors.	Second-class Deputy Inspectors.
Anantapur ...	1	...	305	...	7,841	248	4,870	...	4,870	3,680	75.6	62.2	...
Penakonda ...	...	1	417	...	8,420	282	...	4,617	4,617	3,980	86.2	...	54.8
Bellary ...	1	...	...	...	16,579	273	9,870	...	9,870	9,215	93.4	50.6	...
Harpanahalli ...	...	1	363	...	7,833	161	...	4,025	4,025	3,765	93.5	...	51.4
Saidapet ...	1	...	662	...	16,793	259	10,294	...	10,294	9,632	93.6	61.3	...
Chingleput ...	1	...	637	...	19,922	213	12,725	...	12,725	12,134	95.4	63.9	...
North Coimbatore...	...	1	...	...	17,783	228	...	12,699	12,699	11,189	88.1	...	64.2
South Coimbatore...	1	...	733	...	17,629	206	8,577	...	8,577	8,142	94.9	48.7	...
East Coimbatore...	1	...	1,047	...	28,533	228	15,345	...	15,345	14,917	97.2	53.8	...
Cuddapah ...	1	...	511	...	13,449	249	10,098	...	10,098	9,564	94.7	75.1	...
Madanapalle ...	1	...	860	...	16,289	243	8,566	...	8,566	8,229	96.1	52.6	...

Circles.	Number of Inspecting officers.		Number of villages visited.		Total number of persons vaccinated.	Number of days spent on inspection duty.	Number of cases verified.		Total number of cases inspected by Deputy Inspectors of all sorts.	Total number of successful cases inspected by Deputy Inspectors.	Percentage of successful cases to total number inspected as reported by Deputy Inspectors.	Proportion per cent. of inspection to total number vaccinated.	
	First-class Inspectors.	Deputy Inspectors.	First-class Inspectors.	Deputy Inspectors.			First-class Inspectors.	Deputy Inspectors.				First-class Inspectors.	Deputy Inspectors.
Rajahmundry	1	...	483	...	20,651	257	16,149	...	16,149	14,998	92.9	78.2	...
Guntur	1	...	279	...	17,044	222	9,811	...	9,811	8,613	87.8	57.5	...
Masulipatam	1	...	285	...	22,226	173	10,080	...	10,080	9,477	94.0	45.3	...
Vinukonda	1	1	...	395	11,703	248	8,936	...	8,936	8,001	89.5	76.3	...
Cumbum	1	...	278	...	14,318	277	7,431	...	7,431	6,763	91.0	51.8	...
Kurnool	1	...	462	...	11,634	265	8,863	...	8,863	7,124	80.3	76.1	...
Dindigul	1	...	599	...	30,993	232	17,430	...	17,430	16,405	94.6	56.2	...
Madura	1	1	...	663	39,927	304	15,293	...	15,293	14,117	92.3	63.9	...
Paramagudi	1	...	542	...	30,721	219	16,281	...	16,281	15,010	92.7	52.9	...
Tellicherry	1	1	...	242	16,939	255	9,552	...	9,552	9,434	98.7	56.3	...
Calicut	1	...	263	...	24,551	277	13,872	...	13,872	12,860	92.7	56.5	...
Palghat	1	1	...	244	19,470	219	10,066	...	10,066	9,091	90.3	51.7	...
Nellore	1	...	639	...	14,860	278	7,921	...	7,921	7,627	96.3	53.3	...
Kavali	1	...	504	...	11,649	237	9,004	...	9,004	7,480	83.0	77.2	...
Ongole	1	1	...	355	12,441	199	12,048	...	12,048	9,656	80.1	99.8	...
Chittoor	1	...	740	...	18,717	234	10,225	...	10,225	9,829	96.1	54.6	...
Karvetnagar	1	1	...	519	16,640	245	12,181	...	12,181	11,898	97.5	72.2	...
Vellore	1	...	463	...	20,129	208	12,474	...	12,474	11,849	94.9	61.4	...
Salem	1	...	454	...	24,535	278	13,032	...	13,032	11,769	90.3	53.1	...
Krishnagiri	1	...	1,240	...	14,648	278	12,990	...	12,990	12,073	92.9	89.6	...
Namakkal	1	...	659	...	27,229	260	15,510	...	15,510	13,295	85.7	59.9	...
Ondalare	1	...	634	...	40,823	216	20,458	...	20,458	19,764	96.6	50.1	...
Viduthachalam	1	1	...	559	21,895	250	14,184	...	14,184	13,771	97.0	64.7	...
No. I, South Canara	1	...	281	...	26,668	215	13,706	...	13,706	13,302	97.0	51.0	...
No. II, South Canara	1	1	...	278	18,805	237	10,211	...	10,211	9,593	93.9	53.7	...
Tanjore	1	...	1,176	...	23,427	300	14,739	...	14,739	13,776	92.1	62.9	...
Nagapattam	1	...	748	...	18,133	255	12,130	...	12,130	11,505	94.8	66.8	...
Tinnevely	1	...	799	...	28,566	239	20,854	...	20,854	19,766	94.7	73.0	...
Satūr	1	1	...	563	24,002	323	18,203	...	18,203	17,206	94.5	73.9	...
Sermādēvi	1	...	616	...	27,418	188	20,379	...	20,379	19,947	97.8	74.3	...
Trichinopoly	1	...	634	...	46,272	238	24,130	...	24,130	23,703	98.2	62.1	...
Gannur	1	1	...	576	5,183	279	4,278	...	4,278	3,803	88.8	82.5	...
Jeypore	1	...	405	...	7,001	152	4,116	...	4,116	3,319	81.4	54.1	...
Vizagapatam	1	1	...	291	26,770	196	11,321	...	11,321	10,786	95.3	42.3	...
Vizianagaram	1	...	318	...	26,412	219	13,238	...	13,238	12,179	92.0	50.1	...
Total	33	19	17,770	9,319	991,000	12,301	386,081	211,446	597,527	553,807	92.7	58.0	64.9

* Includes last year's cases inspected this year.

† Includes cases done by Municipal vaccinators.

Four Deputies failed to verify 50 per cent. of the cases vaccinated in their ranges. In South Coimbatore range the deputy suffered from ill-health and retired from the service; there was some unavoidable delay in his successor's taking charge. The Chatrapur Deputy has been called upon to explain why he verified only 49.4 per cent. of the work; his explanation has not yet been received. The Masulipatam Deputy has not given a satisfactory reason for short work, and the President has been asked to fine him. The Vizagapatam Deputy was on sick leave for 95 days, during which time no inspection work was done.

The difficulties of inspection work vary much in different districts according as the communications are easy or otherwise, the arrangement of the dwellings grouped or scattered, the people obstinate or not. The numbers vaccinated are yearly increasing, and the time cannot be far distant when to inspect 50 per cent. of the work will be beyond the power of some of the deputies. During the year 24,130 cases are said to have been verified by the deputy of the Trichinopoly range, which means that he inspected an average of 66 cases every day in the year.

18. Animal Vaccination.—The following table shows the results obtained from calf-to-arm vaccinations:—

Circles.	Length of time animal vaccination was carried on.	Number of calves inoculated.	Primary Vaccination.			Re-vaccination.			Total.		
			Successful.	Unsuccessful.	Unknown.	Successful.	Unsuccessful.	Unknown.	Successful.	Unsuccessful.	Unknown.
Anantapur	Whole year	61	365	9	1	41	37	4	407	396	10
Benkonda	11 months and 23 days.	72	1,430	25	64	65	43	20	1,494	1,384	45
Belary	Whole year	369	5,245	29	39	13	1	1	5,264	5,246	29
Harpanahalli	Do.	191	3,239	19	8	169	129	2	3,316	3,216	8
Chingleput	Do.	207	16,378	613	226	100	66	80	16,347	13,668	612
Siddipet	Do.	233	13,515	12,737	613	100	568	62	13,619	12,803	584
North Coimbatore	Do.	100	12,197	11,075	413	139	55	79	12,327	11,013	465
South Coimbatore	7 months and 14 days.	148	7,056	6,767	452	730	336	54	7,950	6,822	681
East Coimbatore	7 months and 25 days.	188	12,055	11,127	369	403	386	13	12,458	11,463	614
Chatrapur	4 months and 24 days.	288	9,930	9,411	307	519	350	113	10,479	9,761	420
Madanapalle	Whole year	466	13,559	13,408	149	283	222	63	13,850	13,580	209
Sibbont	Do.	184	6,015	5,750	67	199	150	39	6,244	5,909	207
Chitradurga	Do.	...	...	...	...	...	...	...	...	...	...
Gangani hill tracts	Do.	...	...	...	...	...	...	...	...	...	...
Elore	4 months	26	969	34	15	15	13	...	983	968	15
Pithapuram	5 months	29	2,362	194	144	25	17	...	2,551	2,368	179
Rajahmundry	9 months	61	2,274	128	57	61	39	...	2,361	2,258	147
Guntur	Whole year	77	5,269	6,053	169	61	39	...	5,390	5,092	161
Vinukonda	Do.	143	729	721	3	16	16	...	745	737	3
Cumbum	Do.	278	5,850	5,437	380	105	80	...	5,955	5,517	351
Kurnool	Do.	246	10,463	10,106	195	2,000	2,309	...	12,063	12,067	254
Dindigul	Do.	630	9,193	8,715	256	2,336	2,309	...	11,529	10,924	318
Madras	Do.	371	20,945	20,688	91	3,137	3,183	...	23,823	23,823	294
Dindigul	Do.	201	28,790	26,894	992	1,021	684	...	29,811	27,428	1,350
Madura	Do.	383	21,226	21,210	398	547	494	...	22,173	21,704	434
Paramagudi	Do.	77	28,713	28,098	330	880	701	...	29,593	28,769	533
Tellicherry	Do.	77	580	561	16	90	80	...	590	581	25
Calicut	Do.	77	2,634	2,534	102	18	10	...	2,644	2,544	110
Palghat	Do.	78	...	...	...	...	...	...	1,612	1,428	48
Nileis	Do.	70	...	...	...	...	...	...	35	33	2
Kavali	Do.	80	4,572	4,424	44	...	...	...	3,796	3,486	146
Nellore	Do.	44	2,875	2,297	391	...	...	...	4,596	4,442	47
Ongole	Do.	220	7,925	7,529	60	...	...	...	2,875	2,267	391
Chittoor	Do.	177	9,466	8,969	234	...	...	...	8,047	7,898	95
Vellore	Do.	...	...	...	...	...	...	...	10,176	9,578	313

No itinerating calf depots were maintained. Preserved lymph only was used.

* These cases were done with a calf borrowed from the depot vaccinator.

Circles.	Length of time animal vaccination was carried on.	Number of calves inoculated.	Primary Vaccination.				Re-vaccination.				Total.			
			Total.	Successful.	Unsuccessful.	Percentage of success.	Total.	Successful.	Unsuccessful.	Percentage of success.	Total.	Successful.	Unsuccessful.	Percentage of success.
Karvetnagar	9 months and 19 days.	123	8,460	8,348	112	98.9	203	198	5	98.0	8,663	8,546	117	98.8
Salem	Whole year	123	8,721	8,243	478	95.7	213	185	28	86.8	8,934	8,431	503	96.0
Krishnagiri	Do.	63	2,614	2,441	173	92.6	131	130	1	99.2	2,745	2,571	174	93.6
Namakkal	Do.	66	7,660	6,951	709	90.9	882	711	171	84.0	8,442	7,682	760	96.9
Cuddalore	Do.	419	35,880	33,523	2,357	93.4	184	121	63	84.0	36,064	33,803	2,261	96.5
Vridhachalam	Do.	223	21,285	20,625	660	96.9	91	79	12	87.9	21,376	20,704	672	96.8
No. I. South Canara.														
No. II. do.														
Tandore														
Nepatanam														
Tinnevely	Whole year	182	22,730	22,342	388	98.3	1,471	1,301	170	88.4	24,201	23,643	558	97.7
Sattr	Do.	179	19,114	18,609	505	97.3	1,445	1,211	234	83.8	20,559	19,820	739	96.1
Sirmadévi	Do.	153	19,242	18,602	640	96.7	1,579	1,556	23	98.5	20,821	20,158	663	96.8
Trichinopoly	Do.	444	41,568	40,768	800	97.1	2,839	2,728	111	97.8	44,407	43,496	911	97.9
Vizagapatam	Do.	32	...	...	...	...	...	...	...	...	...	...	...	...
Vizianagaram	Do.	87	...	...	...	...	...	...	...	...	...	...	...	...
Jeyppore														
Ganupore														
Total		6,732	458,802	440,048	18,754	97.6	24,049	21,157	2,892	87.8	482,851	461,205	21,646	97.3

* In many cases these calves were also the sources of supply for preserved animal lymph.

† In working out the percentage of success in this and the following tables, cases the results of which were unknown, are excluded.

The percentage of success is satisfactory. In most of the districts, batches of vaccinators itinerate with inoculated calves and vaccinate subjects direct from calf to arm. The vaccinators complain, however, that under this system they are kept too much away from their head-quarters.

19. The following shows the results obtained with preserved animal lymph, excluding cases given in the next table showing results obtained with glycerine paste:—

Circles.	Primary Vaccination.					Re-vaccination.					Total.				
	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.
Anantapur	4,924	4,756	161	7	96.7	165	155	10	...	93.3	5,089	4,911	171	7	96.6
Penakonda	6,724	6,518	126	80	93.1	200	160	37	3	81.2	6,924	6,678	163	83	97.6
Bellary	8,601	8,391	121	89	98.6	87	85	2	12	100.0	8,688	8,476	121	91	98.6
Harpanahalli	3,205	3,165	33	7	99.0	...	...	...	...	...	3,205	3,165	33	7	99.0
Chingleput	2,883	2,703	138	42	95.1	28	23	4	1	85.2	2,911	2,726	142	43	95.0
Saidapet	3,118	2,815	222	81	92.7	60	38	16	6	70.4	3,178	2,853	238	87	92.3
North Coimbatore	182	85	84	13	50.3	...	...	...	...	...	182	85	84	13	50.3
South do.	...	...	...	...	...	...	...	...	...	...	187	73	107	7	40.6
East do.	331	221	68	42	76.5	3	2	1	...	66.7	334	223	69	42	76.4
Cuddapah	2,256	2,084	126	46	94.3	89	26	51	12	33.9	2,345	2,110	177	53	92.3
Madanapalle	2,437	2,318	118	1	95.2	...	...	...	...	...	2,437	2,318	118	1	95.2
Siddhavattam	3,813	3,618	148	47	96.1	175	132	22	21	85.7	3,988	3,750	171	67	95.6
Chicacole	7,389	7,043	313	33	98.5	119	115	4	...	96.6	7,508	7,158	317	39	95.8
Ellore	778	695	50	33	91.9	15	9	4	2	69.3	793	704	54	35	92.9
Pithapuram	724	673	47	4	93.4	...	...	...	...	...	724	673	47	4	93.4
Rajahmundry	108	69	30	9	69.7	1	1	...	...	100.0	109	70	30	9	70.0
Guntur	8,540	7,933	483	124	94.3	58	30	28	...	51.7	8,598	7,963	511	124	94.0
Masulipatam	3,809	3,695	81	33	97.9	93	84	6	3	93.3	3,902	3,779	87	36	97.7
Vinukonda	5,485	4,688	667	130	87.5	194	156	15	23	81.2	5,679	4,844	682	159	87.7
Comball	1,300	1,310	42	29	96.2	237	232	5	...	98.3	1,677	1,601	47	29	97.1
Kernool	...	67	64	3	95.5	38	36	2	...	100.0	105	100	5	...	100.0
Madras	408	408	...	...	100.0	...	...	...	...	...	408	408	...	...	100.0
Dindigul	1,156	976	140	34	87.0	26	19	6	1	76.0	1,182	995	152	35	88.7
Madura	1,400	1,337	46	17	96.7	54	49	4	1	92.5	1,454	1,386	50	18	96.5
Paramagudi	1,037	978	42	17	95.9	...	...	...	...	...	1,037	978	42	17	95.9
Tellicherry	...	...	...	...	...	...	...	...	...	...	2,126	1,902	173	51	91.3
Calicut	4,672	4,346	240	86	94.8	131	81	44	6	64.8	4,803	4,427	284	92	92.4
Palghat	...	...	...	...	...	...	...	...	...	...	8,028	6,918	783	327	89.8
Kavali	1,607	1,474	57	76	96.3	9	6	1	2	85.7	1,616	1,480	58	78	95.2
Nellore	5,849	5,615	114	120	98.0	45	34	8	3	81.0	5,894	5,649	122	123	97.9
Ongole	1,364	1,063	208	93	83.6	15	3	12	...	20.0	1,379	1,066	220	93	82.9
Chittoor	3,337	3,280	41	16	98.8	129	119	9	1	93.0	3,466	3,399	50	17	98.0
Vellore	3,231	3,027	108	96	96.6	39	24	10	5	70.6	3,270	3,051	118	101	96.9
Karvetnagar	3,172	3,119	43	10	98.6	89	82	7	...	92.1	3,261	3,201	50	10	98.5
Salem	185	140	27	9	84.7	5	3	2	...	100.0	190	152	27	11	84.9
Krishnagiri	206	201	...	2	100.0	3	3	...	...	100.0	209	207	2	...	100.0
Namakkal	722	637	47	38	93.1	15	11	1	3	91.7	737	648	48	41	93.2
Cuddalore	778	537	170	71	76.0	1	1	...	...	100.0	779	538	170	71	76.0
Vridhachalam	514	478	16	20	96.8	5	2	3	...	40.0	519	480	19	20	96.2
Tinnevely	288	223	5	60	87.8	20	9	...	20	100.0	317	232	5	80	97.9
Sattur	643	619	14	10	97.8	53	21	27	5	43.8	696	640	41	15	94.0
Sermadévi	84	82	2	...	97.6	9	8	1	...	88.9	93	90	3	...	96.8
Vizagapatam	...	...	...	...	...	...	...	...	...	...	18,233	17,711	311	211	98.3
Vizianagaram	...	...	...	...	...	...	...	...	...	...	15,483	14,263	521	704	96.4
Ganupur	...	...	...	...	...	...	...	...	...	...	704	676	117	8	81.7
Jeyppore	...	...	...	...	...	...	...	...	...	...	81	33	48	...	40.7
Nilgiris	...	...	...	...	...	...	...	...	...	...	1,253	1,066	146	41	88.0
Total	97,417	91,405	4,887	1,625	95.4	2,269	1,809	336	124	84.3	145,783	135,756	6,927	3,100	95.1

20. Table showing the results obtained with glycerine paste :—

Circles.	Primary Vaccination.					Re-vaccination.					Total.				
	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.
Chingleput ...	456	448	8	...	98.2	21	18	3	...	85.7	464	454	10	...	97.8
Chattrapur ...	5,989	5,723	143	29	94.1	219	219	...	...	100.0	6,114	5,942	143	29	97.7
Tellicherry ...	...	...	...	...	...	...	...	...	...	...	4,719	4,476	175	68	76.2
Calicut ...	1,548	1,423	54	31	92.4	43	33	10	...	76.7	1,591	1,456	64	31	92.9
Palghat ...	...	...	...	...	...	...	...	...	...	...	5,324	4,736	425	160	91.7
Madras ...	68	68	...	...	100.0	...	...	...	...	...	68	68	...	...	100.0
Nilgiris ...	...	...	...	...	...	...	...	...	...	...	2,152	2,087	21	44	93.0
Salem ...	171	145	26	...	84.8	1	1	...	...	100.0	172	146	26	...	84.9
Krishnagiri ...	2,870	2,738	72	19	95.4	194	90	14	...	86.5	2,983	2,878	86	19	97.1
Namakkal ...	14	12	...	2	100.0	...	...	...	...	...	14	12	...	2	100.0
No. I, South Canara ...	23,083	22,533	338	164	96.6	1,316	918	238	110	76.1	24,401	23,501	626	274	97.4
No. II, South Canara ...	16,917	15,944	242	231	93.5	809	538	112	109	84.0	17,228	16,532	354	340	97.9
Tanjore ...	...	...	...	...	...	...	...	...	...	...	23,227	21,116	1,310	1,001	94.2
Negapatam ...	...	...	...	...	...	...	...	...	...	...	18,133	17,130	555	445	97.0
Tinnevely ...	120	109	11	...	90.8	...	...	...	...	...	120	109	11	...	90.8
Sermadévi ...	2,879	2,726	80	73	97.1	109	104	1	...	99.1	2,988	2,834	81	73	97.2
Cumbum ...	27	23	3	1	85.2	...	...	...	...	...	27	23	3	1	85.2
Parangudi ...	91	78	13	...	85.7	...	...	...	...	...	91	78	13	...	85.7
Total ...	55,656	52,410	960	550	94.3	2,922	1,871	425	219	82.2	110,914	103,618	3,009	2,497	96.4

In 1890 the late Surgeon-Major Barclay wrote a pamphlet giving most complete instructions for carrying on animal vaccination. In the pamphlet he says that he believes the difficulty of preserving lymph would be overcome by rubbing it up in a mortar and adding glycerine. At the beginning of 1892-93 I made some experiments and found that animal lymph could be preserved in glycerine for as long a period as is likely to be required. The method is this :—Large glass tubes (Saigon pattern) are sterilized by soaking in strong sulphuric acid, then in spirits of wine, and lastly in distilled water. These tubes, now ready for use, are stored in glass stoppered bottles containing glycerine. A healthy calf, inoculated ninety-six hours previously, is taken; the pulp scraped from the vesicles is mixed with rather more than its own weight of glycerine; the mixture is then reduced to a uniform paste in a glass mortar and stored in the glass tubes, which are closed at the ends by beeswax and cotton. Enough paste to vaccinate 10 subjects can be stored in each tube. These large glass tubes seem to me to be by far the best vessels for storing lymph in, and they possess the special advantage of storing only such an amount as can be speedily used, so that exposure is minimized. On the 26th October 1892 Government was pleased to approve of my suggestion that a supply of these tubes should be maintained in the Medical Stores (G.O., No. 2481 L, Mis.), but I regret to say that at the close of the year not a single tube was available. The tubes at present in use were obtained by the Madras Municipality from Saigon. From the Madras dépôt glycerine paste stored in these tubes is sent to various parts of the presidency, and the results obtained are excellent. During the year 51 tubes were sent to His Excellency the Governor of Pondicherry, 12 tubes to Colombo and 3 to Thayetmyo.

On the Nilgiris Saigon tubes are in use, but in South Canara, Tanjore and other districts where glycerine paste is made, the material has to be stored between plates of glass joined at the edges with wax. With one or two central dépôts in a district, and a good supply of Saigon tubes, 20 calves monthly ought to furnish sufficient paste for a population of two millions. It is advisable to have the dépôts at places where the supervision is best; and the possibility of employing a calf suffering from tubercle should be guarded against as much as it can be in the absence of a post-mortem examination of each animal.

In October 1892 some "Emulsified Pure Calf Lymph," prepared at the Institute of Dr. Pissin of Berlin, was sent out by Mr. Rebman, the London agent. The lymph was used on three children. Every insertion failed, though subsequent successful vaccination with local lymph showed that the subjects were susceptible.

The frequent use of humanized lymph in the inoculation of calves has not been found necessary in this presidency. Further, it has not been found necessary to look for any new source of strength to the stock of lymph, or to repeat the experiments successfully carried out by MM. Eternod and Haxiers in 1890 of inoculating calves with small-pox virus. It is no doubt true that the animal lymph in many places is not yet satisfactory, but in certain centres we have as good stock as we could wish for.

21. Table showing results and cost of animal vaccination of all sorts in Local Fund circles :—

Circles.	Number vaccinated, including both primary and re-vaccinations.					Total cost, including the pay of vaccinators, &c.	Average cost of each successful case, including the pay of vaccinators.
	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.		
Anantapur ...	5,496	5,397	181	8	96.7	Rs. A. P. 1,286 14 1	Rs. A. P. 0 3 11
Penakonda ...	8,420	8,072	208	140	97.5	2,230 0 7	0 4 5
Bellary ...	14,004	13,722	150	132	98.9	1,930 9 5	0 2 3
Harpanahalli ...	6,448	6,379	54	15	99.2	1,265 15 9	0 3 2
Chingleput ...	19,922	18,848	794	280	95.9	2,525 7 4	0 3 5
Saidapet ...	16,733	15,656	822	305	94.9	3,376 15 3	0 1 8
North Coimbatore ...	13,109	11,728	579	802	95.3	1,228 9 4	0 1 1
South Coimbatore ...	8,142	6,895	638	609	91.5	466 5 2	0 1 1
East Coimbatore ...	12,793	11,686	683	424	94.5	895 0 9	0 1 1
Cuddapah ...	12,821	11,871	597	356	95.2	2,917 13 6	0 3 11
Madanapalle ...	16,280	15,948	326	15	98.0	2,275 5 4	0 2 3
Siddharattam ...	19,232	18,650	438	135	95.7	1,427 1 0	0 2 4
Chattrapur ...	6,114	5,942	143	29	97.6	Not available.	...
Chicacole ...	7,593	7,158	317	33	95.7	Not available.	...
Gaujam Hill Tracts ...	1,778	1,637	68	53	94.9	379 4 3	0 3 8
Ellore ...	3,911	2,634	220	151	92.1	196 3 10	0 1 2
Pichapuram ...	2,680	2,355	230	66	90.3	724 1 11	0 4 11
Rajahmundry ...	18,328	13,655	642	181	94.9	1,849 14 4	0 2 3
Guntur ...	1,647	1,516	92	39	98.0	Not available.	...
Masulipatam ...	11,634	10,361	1,033	240	90.0	1,859 1 2	0 3 2
Vimukonda ...	14,737	14,291	394	172	97.9	3,589 5 0	0 4 0
Cumbum ...	11,634	11,024	318	292	97.2	3,572 11 2	0 5 2
Karimnagar ...	24,858	24,299	294	355	96.2	10,848 9 8	0 7 2
Madras ...	30,993	28,423	1,402	1,168	95.3	3,189 3 5	0 1 10
Dindigul ...	23,927	23,080	484	353	97.9	2,085 0 1	0 1 5
Madura ...	30,721	29,855	588	278	98.0	3,896 2 8	0 2 1
Permagudi ...	7,824	7,329	373	122	95.1	463 14 11	0 1 0
Tellicherry ...	9,061	8,467	458	136	94.8	1,148 5 11	0 2 2
Calicut ...	14,864	13,082	1,259	523	91.2	1,518 3 3	0 1 10
Palghat ...	5,412	4,966	204	242	96.0	896 1 8	0 2 11
Kavali ...	10,490	10,091	199	230	98.3	1,219 12 10	0 1 1
Nellore ...	4,254	3,333	611	310	84.5	207 12 11	0 1 0
Ongole ...	11,513	11,297	145	71	98.7	1,905 7 9	0 2 8
Chittoor ...	13,446	12,629	466	351	96.4	1,068 14 7	0 1 6
Vellore ...	11,924	11,737	158	29	98.7	481 8 11	0 0 8
Karvetnagar ...	9,302	8,695	355	261	96.0	716 0 1	0 1 4
Salem ...	5,857	5,659	165	33	97.2	678 5 5	0 1 11
Krishnagiri ...	9,243	8,352	378	513	95.6	747 14 1	0 1 6
Namakkal ...	40,823	39,182	832	809	97.9	4,107 5 1	0 1 9
Cuddalore ...	21,895	21,184	397	314	93.1	2,337 3 11	0 1 6
Vridhachalam ...	24,401	23,501	626	274	97.4	2,164 7 0	0 1 9
No. I, South Canara ...	17,236	16,532	354	340	97.9	1,781 6 0	0 1 9
No. II, South Canara ...	23,427	21,116	1,810	1,001	94.1	2,932 13 2	0 2 3
Tanjore ...	18,133	17,130	558	445	96.8	859 4 1	0 0 9
Negapatam ...	24,707	23,984	506	127	97.6	1,782 10 5	0 1 2
Tinnevely ...	21,255	20,520	429	306	97.9	1,964 1 5	0 1 6
Sattur ...	23,902	23,082	472	348	98.0	1,573 2 0	0 1 1
Sermadévi ...	44,527	43,484	553	490	98.7	3,000 1 0	0 1 1
Trichinopoly ...	18,958	17,832	315	211	98.3	1,910 0 0	0 1 9
Vizagapatam ...	15,927	14,689	623	716	96.5	708 7 3	0 0 9
Vizianagaram ...	701	576	117	8	83.1	11 4 0	0 0 4
Gunupur ...	81	33	48	...	40.7	Not available.*	...
Jeypore ...	...	...	...	...	...	Not available.	...
Nilgiris ...	3,440	3,186	169	85	94.4	...	...
Total ...	744,645	708,073	23,647	14,925	96.8	65,347 2 8	0 1 4

* No cost was incurred.

22. Table showing animal vaccination of all kinds by medical subordinates, including both primary operations and re-vaccinations:—

Districts.	Total number vaccinated.	Successful.	Unsuccessful.	Unknown.	Percentage of success.
Anantapur ...	641	575	59	7	90.7
Bellary ...	1,998	1,644	268	86	86.0
Chingleput ...	4,114	3,749	323	42	92.1
Coimbatore ...	2,150	1,485	651	14	69.5
Cuddapah ...	1,169	835	309	25	72.1
Ganjam ...	2,246	1,370	895	71	63.0
Goddavari ...	995	510	480	5	51.5
Kistna ...	535	490	40	5	92.5
Kurnool ...	1,623	1,391	172	60	89.0
Madura ...	4,110	3,001	975	134	75.5
Nilgiris ...	29	28	1	...	96.1
Malabar ...	617	462	109	46	80.9
Nellore ...	536	412	116	8	78.0
North Arcot ...	2,176	2,020	138	18	93.6
Salem ...	1,049	826	170	53	82.9
South Arcot ...	765	628	103	34	85.9
South Canara ...	1,577	1,196	274	107	81.3
Tanjore ...	Information not received.				
Tinnevely ...	1,470	1,148	247	75	82.2
Trichinopoly ...	1,587	1,239	313	85	79.8
Vizagapatnam ...	2,985	2,239	598	148	78.9
Total ...	32,372	25,248	6,161	973	80.4

23. Table showing animal vaccination conducted in the municipalities during 1892-93, including both primary operations and re-vaccinations:—

Municipalities.	Direct from Calif.				Preserved Animal Lymph.				Glycerine Paste.				Total.			
	Total.	Successful.	Unsuccessful.	Percentage of success.	Total.	Successful.	Unsuccessful.	Percentage of success.	Total.	Successful.	Unsuccessful.	Percentage of success.	Total.	Successful.	Unsuccessful.	Percentage of success.
Adoni ...	94	90	3	96.8	963	797	133	85.7	...	...	...	...	1,037	887	136	86.7
Anantapur ...	19	19	...	100.0	263	259	11	98.1	...	...	...	...	351	314	11	98.0
Anakapalle ...	...	...	...	...	515	491	14	97.2	...	...	...	...	515	491	14	97.2
Bellary ...	2,368	2,291	68	97.1	1,381	1,322	59	95.7	...	...	...	...	3,781	3,623	149	96.0
Berhanpur ...	...	...	...	...	1,683	792	209	79.1	...	...	...	...	1,033	792	209	82.2
Bewada ...	1,642	1,588	22	98.6	...	455	18	96.3	...	...	...	...	1,642	1,588	22	98.6
Bimlipatam ...	...	...	...	...	473	455	18	96.3	...	...	...	...	473	455	18	96.3
Calicut ...	1,893	1,866	150	91.7	2,683	1,953	522	78.9	...	...	...	...	4,586	3,819	672	84.3
Changanore ...	614	613	...	100.0	799	501	280	63.3	...	...	...	...	2,862	2,828	27	99.1
Chikazole ...	...	...	...	...	...	...	...	...	...	...	...	...	789	601	290	63.3
Chidambaram ...	965	932	13	98.6	...	10	5	66.7	...	...	...	...	965	932	13	98.6
Cochin ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cocanada ...	2,586	2,388	182	94.0	...	67	...	100.0	...	...	...	...	2,586	2,388	182	94.0
Coimbatore ...	1,455	1,323	51	96.3	331	285	43	86.9	...	...	...	...	2,033	1,755	265	86.9
Conjeveram ...	1,188	1,145	7	99.4	363	360	2	99.4	...	...	...	...	1,755	1,612	139	94.2
Cuddalore ...	...	...	...	...	186	116	61	65.5	...	...	...	...	1,521	1,505	9	93.4
Cuddapah ...	2,671	2,451	160	93.9	248	214	36	89.2	...	...	...	...	2,928	2,653	265	93.2
Dindigul ...	642	515	25	95.4	83	82	1	99.8	...	...	...	...	642	515	25	95.4
Ellero ...	1,166	1,133	37	96.8	...	...	...	...	...	...	...	...	1,166	1,133	37	96.8
Ellero ...	24	23	1	95.8	...	...	...	...	...	...	...	...	24	23	1	95.8
Errode ...	497	410	20	95.3	...	82	19	81.2	...	...	...	...	541	492	39	92.7
Gudiyattam ...	697	605	26	96.2	...	...	...	...	...	...	...	...	697	605	26	96.2
Guatūr ...	780	772	4	99.5	...	39	...	100.0	...	...	...	...	780	772	4	99.5
Karūr ...	1,618	1,555	58	96.4	...	19	...	Information not received.	...	...	...	...	1,618	1,555	58	96.4
Kumbakonam ...	1,038	1,018	4	99.6	...	...	...	95.0	...	...	...	...	1,038	1,018	4	99.6
Kurnool ...	24,382	23,823	204	99.2	...	408	...	100.0	...	...	...	...	24,382	24,209	204	99.2
Madras ...	3,540	3,184	223	93.5	...	1,917	154	80.5	...	...	...	...	5,154	4,601	384	92.1
Manargudi ...	918	913	3	99.7	...	...	...	...	...	...	...	...	918	913	3	99.7
Mangalore ...	1,045	1,013	2	99.8	...	237	2	99.1	...	...	...	...	2,743	2,732	11	99.7
Masulipatam ...	2,915	2,814	101	96.5	...	...	...	...	...	...	...	...	2,815	2,814	1	99.5
Māyavaram ...	750	739	11	98.5	...	...	...	...	...	...	...	...	750	739	11	98.5
Nagapattam ...	1,750	1,692	26	97.9	...	509	22	95.9	...	...	...	...	2,281	2,201	58	97.4
Nellore ...	1,364	1,288	74	94.6	...	22	...	100.0	...	...	...	...	1,364	1,310	54	93.7

Municipalities.	Direct from Cal.				Preserved Animal Lymph.				Glycerine Paste.				Total.			
	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.
Ongole	404	359	43	22	88.7	83	74	9	3	89.2	156	134	22	7	88.4	242
Ootacamund	72	63	9	4	87.5	210	174	36	13	82.9	280	238	42	7	85.0	502
Palacottah	1,019	908	111	18	89.1	786	746	40	1	94.8	1,572	1,454	118	2	91.3	3,150
Palghat	34	33	1	...	97.1	0	0	0	...	100.0	33	33	0	...	100.0	66
Periyakulam	910	874	36	5	96.0	4	4	0	...	100.0	914	880	34	...	96.3	1,828
Pohal	463	434	29	6	93.7	138	115	23	5	83.3	601	549	52	...	91.3	1,102
Rajahmundry	1,779	1,416	363	118	85.2	19	15	4	...	80.0	1,898	1,631	267	...	85.9	3,597
Salem	4,321	4,358	123	12	97.1	19	15	4	...	80.0	4,540	4,401	139	...	97.2	9,080
Srirangam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tanjore	244	242	2	...	99.2	1	1	0	...	100.0	245	242	3	...	99.2	487
Telicheerry	566	559	7	25	98.8	3	3	0	...	100.0	571	556	15	...	97.9	1,127
Tinnevely	1,936	1,828	108	50	94.9	...	...	...	...	...	1,986	1,828	158	...	91.6	3,814
Trichinopoly	6,571	6,179	392	232	92.5	...	...	...	...	...	6,871	6,179	692	...	89.9	13,043
Tripattin	545	529	16	...	97.1	389	374	15	...	93.7	934	899	35	...	96.2	1,833
Tripattin	527	508	19	...	96.4	422	379	43	...	89.8	949	887	62	...	93.5	1,836
Tuticorin	612	571	41	...	93.4	46	45	1	...	97.8	658	616	42	...	93.6	1,274
Vaniyambadi	843	839	4	...	99.5	48	45	3	...	93.8	891	884	7	...	99.4	1,723
Vellore	2,980	1,944	1,036	5	65.2	1,600	1,385	215	...	86.6	4,584	3,329	1,255	...	72.6	5,839
Vizagapatnam	34	34	0	...	100.0	...	...	...	...	...	68	68	0	...	100.0	136
Vizianagaram	1,391	1,344	47	...	96.6	...	...	...	...	...	1,438	1,391	47	...	96.0	2,879
Wajahpet	135	131	4	...	97.0	...	...	...	...	...	139	135	4	...	97.1	274
Total	33,401	30,532	2,869	1,354	90.9	10,019	13,618	1,873	538	87.9	43,430	44,150	2,500	36	93.8	107,508

* No animal vaccination was conducted during the year.

24. Statement comparing the results obtained with different kinds of animal lymph in Local fund circles for the three years ending 31st March 1893 excluding cases the results of which are unknown :—

Years.	Nature of lymph used.									
	Fresh animal lymph (calf to arm).			Preserved animal lymph (excluding lanoline paste and glycerine paste).			Lanoline paste.		Glycerine paste.	
	Successful.	Unsuccessful.	Percentage of success.	Successful.	Unsuccessful.	Percentage of success.	Successful.	Unsuccessful.	Successful.	Unsuccessful.
1890-91	138,230	6,551	95.5	23,932	1,651	93.5	64,060	7,143	90.0	...
1891-92	242,697	9,127	96.4	90,172	5,362	94.4	151,850	16,835	90.0	253
1892-93	466,699	12,811	97.3	135,756	6,927	95.1	...	...	103,618	3,909

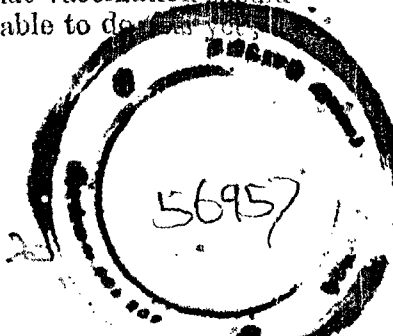
The above figures fully justify the late Dr. Barclay's opinion of the preservative value of glycerine.

25. During the year there was a very large number of deaths from small-pox. The figures are shown below :—

Districts.	Deaths from small-pox in 1892-93.	Districts.	Deaths from small-pox in 1892-93.
Ganjam	457	Kurnool	390
Vizagapatnam	1,537	Cuddapah	348
Godavari	4,443	Bellary	702
Kistna	2,727	Anantapur	146
Nellore	1,309	North Arcot	1,709
Madras	21	Salem	1,572
Chingleput	308	Coimbatore	2,087
South Arcot	1,437	Nilgiris	62
Trichinopoly	542	South Canara	294
Tanjore	723	Malabar	12,333
Madura	1,959		
Tinnevely	1,698	Total	36,803

Allowing for the fact that many cases of chicken-pox and measles are returned as small-pox, it is evident that small-pox was unusually prevalent and that a large proportion of the people of this Presidency are still unprotected. Between July 1887 and May 1889 I examined 13,812 pupils in the schools of various districts; the average age of these pupils was about nine years. Of the total examined, no less than 3,106 bore marks of small-pox, while only 62.1 per cent. had been vaccinated. The difficulty is to persuade the mothers to allow their infants to be vaccinated, and before the vaccinators have a chance, probably about 20 per cent. of the children suffer from small-pox. The fact that vaccination when performed in this country is done, as a rule, at a riper age than in Europe makes re-vaccination somewhat less important. Though it cannot have any very great bearing on the late prevalence of small-pox, I may mention here that inoculation with small-pox virus is still practised in some parts of the Presidency, especially in the Kistna and Vizagapatnam districts. Two persons were prosecuted during the year for carrying on the practice of inoculation in the Kistna district. Revenue officials are supposed to report to the deputy inspectors of vaccination the prevalence of small-pox in a town or village; but I sometimes find that small-pox is raging in a place while the deputy and vaccinators are quite ignorant of the fact. The village authorities ought promptly to report all outbreaks of small-pox.

26. Year after year the deputy inspectors recommend that vaccination should be made compulsory in districts. I do not consider it practicable to do so.



might, however, with advantage, be made compulsory in certain large compact unions.

From reports received it appears that the deputy inspectors have noticed 31 cases of small-pox occurring after successful vaccination; all the cases were reported to be mild.

In the whole of my experience I have never heard of a case of leprosy in this Presidency being traceable to vaccination; neither have I ever heard the danger of inoculation with leprosy advanced by the people as an excuse for not submitting to vaccination.

27. There being no reserve, it sometimes happens that when a deputy inspector takes short leave, a vaccinator of the same district is put in charge of his office, but no proper supervision is exercised over the other vaccinators and the work falls off. The salary available for the acting man is so small that it does not pay to send a vaccinator, competent to act, from any great distance. For this reason it would be well to have a reserve of two second-class deputy inspectors who would draw pay from Provincial funds when not employed by District Boards. These reserve men would ordinarily remain in Madras for thorough training in animal vaccination; they could at any time relieve other deputies who had to come to the Madras depôt to learn the work.

28. A new statement, No. V, showing particulars of vaccination verified by inspecting officers, is added to the report. The order regarding this statement was received during the year. The numbers verified by commissioned officers are small; some of the Civil Surgeons did not clearly understand what was required and submitted reports which were of no use. The practice hitherto pursued by most of the District Surgeons and by myself was to examine, on our visits to a town or village, a number of children in the streets and in schools and to note the proportions vaccinated, marked by small-pox, and unprotected.

29. During the year one deputy inspector died, and one retired on a pension. One first-class deputy was reduced to second-class, and two second-class men were reduced to the grade of vaccinator for misconduct. Nine deputies were fined for various offences.

First-class Deputy Inspectors M. Buthroodeen, Rajahmundry Range, and C. Soobroya Chetty, Madras Town, deserve praise for the way in which they have conducted their duties.

30. The service registers of the Deputy Inspectors of Vaccination have been maintained and brought up to date, with the exception of seven, belonging to men recently promoted, which are now under verification.

I have the honour to be,

Sir,

Your most obedient servant,

DONALD F. DYMOTT, Surgeon-Major, M.B.,

*Inspector of Vaccination and Deputy
Sanitary Commissioner, Madras.*

APPENDIX.

VACCINATION RETURNS.

STATEMENT No. I showing the Particulars of Vaccination in the Madras Presidency during the official year 1892-93

VACCINATION RETURNS.

A—VACCINE DEPARTMENT.

STATEMENT No. I showing the Particulars of Vaccination in the Madras Presidency during the official year 18 12-93—continued.

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1891.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.		Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Persons successfully vaccinated per 1,000 of population.		Average number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.				
						Males.	Females.		Total.	Under 1 year.	Over 1 and under 6 years.	Total of all ages.	Successful.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Number.		Ratio per 1,000.	Number.	Ratio per 1,000.	
16	Godevart.	Ellore circle	647,130	256	17	7,528	6,862	14,390	847	14,159	1,204	8,367	13,679	234	202	234	21.1	0.3	21.4	...	...	...	...
17		Pithapuram do. Government vaccinators (Teddikparam agency).	383,467	307	13	5,313	4,547	9,860	759	9,767	483	5,807	8,960	98	88	234	24.3	0.2	25.0	...	...	...	...
18	Kistna.	Rajahmundry circle	949,793	349	1	318	332	650	650	19,644	52	321	592	...	...	...	24.8	0.2	25.0	...	...	...	...
19		Government do. vaccinators (Bhadra-chalam agency).	...	...	4	1,362	1,198	2,560	640	2,489	245	1,159	2,335	71	60	253	22.0	0.3	22.3	...	...	...	...
20	Kistna.	Total of district ...	1,890,450	345	53	24,471	22,891	47,362	894	46,706	3,429	25,940	44,140	656	576	656	22.3	0.3	22.6	...	...	...	...
21		Guntur circle	686,772	272	17	8,872	8,172	17,044	1,003	16,922	2,456	9,451	15,922	122	72	122	29.0	0.1	29.3	...	...	...	...
22	Kistna.	Masulipatam circle	705,068	201	20	11,970	10,256	22,226	1,111	21,675	1,480	11,339	20,747	551	436	551	30.7	0.6	30.0	...	...	...	...
23		Vinukonda do.	389,833	156	11	6,092	5,611	11,703	1,064	11,397	2,245	5,969	10,163	306	243	306	29.3	0.6	27.4	...	...	...	...
24	Kurnool.	Total of district ...	1,772,673	209	48	26,934	24,039	50,973	1,062	49,904	6,159	26,650	46,852	979	761	979	26.4	0.4	26.8	...	...	...	...
25		Guntur circle	404,781	99	6	9,285	8,026	17,311	2,885	11,515	2,534	8,489	11,147	276	273	276	27.7	0.8	28.3	...	...	...	...
26	Kurnool.	Kurnool do.	424,150	123	6	7,332	4,402	11,734	1,939	9,260	2,214	4,338	8,779	2,374	2,245	2,374	31.6	5.3	26.5	...	...	...	...
27		Total of district ...	628,931	112	12	16,617	9,439	26,056	2,162	20,775	4,748	9,777	19,926	5,170	4,678	5,170	26.3	6.0	30.0	...	...	...	...
28	Madras.	Madras circle	814,247	253	14	15,943	15,050	30,993	2,214	29,933	12,163	14,051	27,739	1,000	624	1,000	34.1	0.8	34.9	...	...	...	...
29		Madras do.	587,044	370	10	12,170	11,257	23,227	2,393	23,325	8,690	12,115	22,547	601	543	601	30.3	0.9	30.4	...	...	...	...
30	Madras.	Paramagudi do.	1,006,159	290	18	15,745	14,976	30,721	1,707	29,841	8,556	16,220	29,154	880	701	880	27.3	0.7	28.0	...	...	...	...
31		Total of district ...	2,467,470	294	42	44,358	41,283	85,641	2,092	83,100	29,709	42,386	79,500	2,541	1,868	2,541	32.2	0.7	32.9	...	...	...	...
32	Madras.	Tellicherry circle	2,464,154	429	20	11,342	5,587	16,939	1,339	15,526	221	6,701	15,836	413	352	413	25.8	0.5	26.3	...	...	...	...
33		Calicut do.	...	...	13	12,518	6,962	19,470	1,497	18,626	342	5,133	17,092	844	440	844	22.5	0.5	23.0	...	...	...	...
34	Malabar.	Total of district ...	2,464,154	429	44	40,060	20,940	60,960	1,385	59,079	931	17,865	55,570	1,831	1,230	1,831	22.5	0.5	23.0	...	...	...	...
35		Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

35	North Arcot.	Chittoor circle	464,385	173	12	7,397	7,241	14,638	1,221	14,259	5,535	6,557	13,350	353	341	353	37.8	0.7	38.5	...	...	...	...
36		Salem do.	606,224	233	18	12,487	12,046	24,533	1,363	24,003	5,659	14,524	23,010	530	370	530	37.0	0.6	37.6	...	...	...	...
37	North Arcot.	Nannakkal do.	731,635	343	17	14,008	13,241	27,249	1,992	25,563	4,731	15,571	23,769	1,066	1,496	1,066	32.5	0.6	33.1	...	...	...	...
38		Total of district ...	1,802,644	249	47	33,892	32,506	66,410	1,413	63,825	10,328	37,052	60,729	2,535	2,207	2,535	35.4	1.2	36.6	...	...	...	...
39	South Arcot.	Cuddalore circle	1,376,247	415	21	21,050	19,773	40,823	1,944	40,668	9,092	32,638	39,000	165	122	165	38.0	0.6	38.6	...	...	...	...
40		Vridhalacham circle	756,609	461	14	11,127	10,768	21,895	1,564	21,779	5,581	13,362	21,163	96	81	96	36.8	0.1	36.9	...	...	...	...
41	South Arcot.	Total of district ...	2,092,856	431	35	32,177	30,541	62,718	1,732	62,467	14,673	36,970	60,163	251	203	251	36.3	0.1	36.4	...	...	...	...
42		No. 1 South Arcot circle	611,971	330	16	14,261	12,407	26,668	1,667	25,198	1,968	11,244	24,560	1,500	1,056	1,500	37.4	0.1	37.5	...	...	...	...
43	South Arcot.	No. II. do.	399,496	201	11	10,171	9,634	19,805	1,710	17,889	1,735	7,730	17,316	916	688	916	37.1	0.1	37.2	...	...	...	...
44		Total of district ...	1,011,467	260	27	24,432	21,041	45,473	1,694	43,027	3,333	18,974	41,885	2,416	1,744	2,416	37.3	0.1	37.4	...	...	...	...
45	South Arcot.	Negapattinam circle	898,215	612	16	9,453	8,640	18,133	1,133	17,463	1,876	11,764	26,619	670	511	670	38.2	0.6	38.8	...	...	...	...
46		Tuticorin do.	1,117,821	616	21	12,198	11,249	23,427	1,116	22,425	2,855	14,216	20,513	1,662	603	1,662	38.1	0.6	38.7	...	...	...	...
47	South Arcot.	Total of district ...	2,016,036	655	37	21,691	19,889	41,580	1,123	39,988	4,731	25,980	37,132	1,672	1,114	1,672	38.3	0.6	38.9	...	...	...	...
48		Statfar circle	588,615	322	13	14,406	10,193	24,599	1,392	23,947	5,084	12,117	32,285	1,755	1,439	1,755	38.5	0.6	39.1	...	...	...	...
49	South Arcot.	Srinakshi circle	312,071	322	12	14,805	12,062	26,867	2,284	23,441	4,304	14,632	21,582	1,777	1,447	1,777	38.6	0.6	39.2	...	...	...	...
50		Trincovelly do.	735,915	353	13	15,835	12,731	28,566	1,804	26,862	7,597	13,230	26,286	1,714	1,406	1,714	38.7	0.6	39.3	...	...	...	...
51	South Arcot.	Total of district ...	1,547,534	343	40	45,027	35,480	80,506	2,015	75,140	17,955	39,968	73,153	5,446	4,882	5,446	39.4	0.6	39.9	...	...	...	...
52		Trichinopoly circle	1,292,476	355	16	23,183	21,069	44,252	3,055	43,221	6,284	28,657	42,289	3,051	2,912	3,051	39.5	0.6	40.1	...	...	...	...
53	South Arcot.	Total of district ...	1,292,476	355	16	23,183	21,069	44,252	3,055	43,221	6,284	28,657	42,289	3,051	2,912	3,051	39.5	0.6	40.1	...	...	...	...
54		Ganpur circle	...	...	3	1,009	1,362	2,371	980	2,951	568	1,406	2,504	20	20	20	39.6	0.6	40.2	...	...	...	...
55	South Arcot.	Zemindari vaccinators.	...	...	3	1,210	1,062	2,272	737	2,183	209	1,112	2,694	23	18	23	39.7	0.6	40.3	...	...	...	...
56		Zemindari vaccinators.	...	...	5	2,422	2,239	4,661	607	4,671	428	2,642	4,412	...	...	...	39.8	0.6	40.4	...	...	...	...
57	South Arcot.	Total of district ...	...	...	18	6,512	6,018	12,680	704	12,635	1,233	6,664	11,672	45	40	45	39.9	0.6	40.5	...	...	...	...

* Two temporary vaccinators.

STATEMENT, No. I showing the Particulars of Vaccination in the Madras Presidency during the official year 1892-93—continued.

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Coimbatore	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar	Chandrasekhar

Work performed in jails, police hospitals, revenue and other departments.

A—VACCINE

STATEMENT No. II showing the Cost of the Department

Number.	Districts.	Circles.	Establishment.							Expenditure.		
			Inspector of Vaccination and Deputy Sanitary Commissioner.	Deputy Inspectors.	Second-class Inspectors.	Vaccinators.		Probationers.	Peons.	Pay of establishment.	Travelling allowance.	Contingencies.
						First class.	Second class.					
1	2	3	4	5	6	7	8	9	10	11	12	13
										Rs. A. P.	Rs. A. P.	Rs. A. P.
1	Anantapur.	Anantapur circle	...	1	...	2	4	4	1	2,300 10 0	255 4 0	403 6 2
2		Peenakonda do.	...	...	1	1	3	3	1	1,690 4 1	180 9 0	359 3 6
		Total of district	...	1	1	3	7	7	2	3,990 14 1	435 13 0	762 9 8
3	Bellary.	Bellary circle	...	1	...	6	8	2	1	2,303 4 2	1,463 15 6	1,084 15 11
4		Harpanahalli circle	...	...	1	3	5	1	1	1,643 13 4	985 2 0	35 2 0
		Total of district	...	1	1	9	13	3	2	4,547 1 6	2,435 1 6	1,120 1 11
5	Chingleput.	Chingleput circle	...	1	...	4	7	3	1	2,628 15 0	298 5 0	887 6 10
6		Saidapet do.	...	1	...	8	5	1	1	2,115 3 6	350 11 9	911 0 0
		Total of district	...	2	...	12	12	4	2	4,744 2 6	648 0 9	1,798 6 10
7	Coimbatore.	North Coimbatore circle	...	1	...	3	8	1	1	2,239 13 7	454 12 0	1,374 0 11
8		South do.	...	1	...	3	6	...	1	2,034 0 10	271 4 0	38 3 0
9		East do.	...	1	...	4	10	4	1	2,823 8 8	312 1 0	496 6 1
		Total of district	...	3	...	10	24	5	3	7,097 7 1	1,038 1 0	1,908 10 0
10	Cuddapah.	Cuddapah circle	...	1	...	4	7	1	1	2,329 15 9	1,246 2 3	650 5 3
11		Madanapalle do.	...	1	...	4	8	2	1	2,543 12 2	1,184 15 0	1,008 10 9
12		Sidhout do.	...	1	...	3	5	1	1	1,850 5 5	1,042 11 0	458 6 1
		Total of district	...	3	...	11	20	4	3	6,724 1 4	3,473 12 3	2,117 6 1
13	Ganjam.	Chatrapur circle	...	1	...	5	11	2	1	3,079 1 0	273 0 0	99 0 9
14		Chenacole do.	...	1	...	4	8	1	1	2,500 1 11	307 8 0	114 14 4
15		Ganjam Hill tracts	...	1	...	7	...	...	...	2,044 4 3	398 8 0	93 1 9
		Total of district	...	3	...	9	26	3	3	7,623 7 2	979 0 0	307 0 10
16	Godavari.	Ellore circle	...	1	...	5	9	3	1	2,849 4 0	943 5 0	110 15 8
17		Pithapuram circle	...	...	1	5	6	2	1	1,913 8 2	680 1 9	246 4 1
		Government vaccinators (Pithapuram Agency).	...	...	...	...	...	...	...	...	...	...
18	Goddavari.	Rajahmundry circle	...	1	...	5	10	3	1	2,950 12 0	973 11 10	767 9 8
		Government vaccinators (Bhadrachalam).	...	...	...	...	...	...	...	...	...	
		Total of district	...	2	1	19	25	6	3	7,713 8 2	2,597 2 7	1,064 12 6
19	Kistna.	Guntur circle	...	1	...	4	9	4	1	2,621 14 10	747 9 6	421 2 6
20		Masulipatam circle	...	1	...	6	9	5	1	3,211 3 9	878 4 6	135 14 8
21		Vinukonda do.	...	...	1	3	5	3	1	1,702 1 7	606 8 6	363 0 7
		Total of district	...	3	...	13	23	12	3	7,534 4 2	2,232 6 6	920 1 9
22	Kurnool.	Kurnool circle	...	1	...	4	...	2	1	2,049 13 7	543 0 0	996 7 5
23		Kurnool do.	...	1	...	4	...	2	1	2,187 3 3	482 14 6	900 9 5
		Total of district	...	2	...	8	...	4	2	4,237 0 10	1,025 14 6	1,897 0 10
24	Madura.	Dindigul circle	...	1	...	5	7	2	1	2,725 8 9	1,625 6 7	...
25		Madura do.	...	...	1	3	5	2	1	1,903 15 6	199 2 0	1,095 0 6
26		Paramagudi do.	...	1	...	6	10	2	1	3,113 15 6	188 10 0	125 12 2
		Total of district	...	3	1	14	22	6	3	7,743 7 9	1,913 2 7	1,210 12 8
27	Malabar.	Tellicherry circle	...	...	1	4	3	4	1	2,037 9 1	364 4 0	537 4 11
28		Calicut do.	...	1	...	3	12	5	1	3,023 7 5	435 4 0	112 14 0
29		Palghat do.	...	...	1	3	7	3	1	2,109 15 9	402 0 0	182 14 4
		Total of district	...	1	2	10	22	12	3	7,177 0 3	1,261 8 0	833 1 3

* Information not received.

† Full information not furnished.

DEPARTMENT.

in the Madras Presidency during the official year 1892-93.

Total cost.	Paid from					Total.	Number of all successful vaccinations and re-vaccinations.	Average cost of each successful case.
	Imperial funds.	Provincial funds.	Local funds.	Municipalities.	Native states, zemindars, or private funds.			
14	15	16	17	18	19	20	21	22
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		Rs. A. P.
2,950 4 2	...	...	2,950 4 2	...	...	2,950 4 2	7,574	0 6 3
2,230 0 7	...	...	2,230 0 7	...	...	2,230 0 7	8,072	0 4 5
5,189 4 9	...	...	5,189 4 9	...	...	5,189 4 9	15,646	0 5 4
5,458 3 7	...	...	5,458 3 7	...	...	5,458 3 7	16,253	0 5 4
2,644 1 4	...	...	2,644 1 4	...	...	2,644 1 4	7,751	0 5 5
8,102 4 11	...	...	8,102 4 11	...	...	8,102 4 11	24,004	0 5 5
3,808 10 10	...	...	3,808 10 10	...	...	3,808 10 10	18,848	0 3 3
3,376 15 3	...	...	3,376 15 3	...	...	3,376 15 3	15,656	0 3 5
7,185 10 1	...	...	7,185 10 1	...	...	7,185 10 1	34,504	0 3 4
4,068 10 6	...	...	4,068 10 6	...	...	4,068 10 6	18,188	0 3 7
2,343 7 10	...	...	2,343 7 10	...	...	2,343 7 10	15,972	0 2 4
3,631 15 9	...	...	3,631 15 9	...	...	3,631 15 9	26,845	0 2 2
10,044 2 1	...	...	10,044 2 1	...	...	10,044 2 1	61,005	0 2 6
4,226 7 3	...	...	4,226 7 3	...	...	4,226 7 3	11,871	0 5 8
4,737 5 11	...	...	4,737 5 11	...	...	4,737 5 11	15,948	0 4 9
3,351 6 6	...	...	3,351 6 6	...	...	3,351 6 6	9,659	0 5 6
12,315 3 8	...	...	12,315 3 8	...	...	12,315 3 8	37,478	0 5 3
3,451 1 9	...	...	3,451 1 9	...	...	3,451 1 9	15,144	0 3 7
2,922 8 3	...	...	2,922 8 3	...	...	2,922 8 3	12,412	0 3 9
2,535 14 0	...	2,535 14 0	...	...	...	2,535 14 0	5,104	0 7 11
8,909 8 0	...	2,535 14 0	6,373 10 0	...	...	8,909 8 0	32,660	0 4 4
3,903 8 8	...	...	3,903 8 8	...	...	3,903 8 8	13,881	0 4 5
2,839 14 0	...	...	2,839 14 0	...	...	2,839 14 0	9,018	0 5 0
...	...	...	...	...	...	...	592	...
4,632 0 7	...	...	4,632 0 7	...	...	4,632 0 7	18,830	0 3 11
...	...	...	...	...	...	...	2,395	...
11,375 7 3	...	...	11,375 7 3	...	...	11,375 7 3	41,716	10 4 4
3,793 10 10	...	...	3,793 10 10	...	...	3,793 10 10	15,994	0 3 10
4,225 6 11	...	...	4,225 6 11	...	...	4,225 6 11	21,183	0 3 2
2,671 10 8	...	...	2,671 10 8	...	...	2,671 10 8	10,426	0 4 1
10,660 12 5	...	...	10,660 12 5	...	...	10,660 12 5	47,603	0 3 7
3,589 5 0	...	...	3,589 5 0	...	...	3,589 5 0	13,880	0 4 0
3,572 11 2	...	...	3,572 11 2	...	...	3,572 11 2	11,024	0 5 2
7,162 0 2	...	...	7,162 0 2	...	...	7,162 0 2	24,904	0 4 7
4,250 15 4	...	...	4,250 15 4	...	...	4,250 15 4	18,421	0 2 5
3,194 2 0	...	...	3,194 2 0	...	...	3,194 2 0	23,090	0 2 2
3,428 5 8	...	...	3,428 5 8	...	...	3,428 5 8	29,555	0 1 10
10,873 7 0	...	...	10,873 7 0	...	...	10,873 7 0	81,363	0 2 2
2,939 2 0	...	...	2,939 2 0	...	...	2,939 2 0	16,188	0 2 10
3,577 9 5	...	...	3,577 9 5	...	...	3,577 9 5	23,080	0 2 6
2,754 14 1	...	...	2,754 14 1	...	...	2,754 14 1	17,532	0 2 6
9,271 9 6	...	...	9,271 9 6	...	...	9,271 9 6	56,800	0 2 7

† Excludes Pithapuram and Bhadrachalam Agencies.

A—VACCINE

STATEMENT No. II showing the Cost of the Department in the

Number.	Districts.	Circles.	Establishment.							Expenditure.		
			Inspector of Vaccination and Deputy Sanitary Commissioner.	First-class Deputy Inspectors.	Second-class Deputy Inspectors.	Vaccinators.		Probationers.	Peons.	Pay of establishment.	Travelling allowance.	Contingencies.
						First class.	Second class.					
1	2	3	4	5	6	7	8	9	10	11	12	13
30	Nellore.	Kavali circle	...	1	3	5	1	1		Rs. A. P.	Rs. A. P.	Rs. A. P.
31		Nellore do.	...	1	3	8	1	1		1,762 13 8	613 11 0	127 1 9
32		Ongole do.	...	1	3	5	2	1		2,560 5 3	836 4 3	296 5 3
		Total of district ...	...	1	2	9	18	4	3	1,555 14 1	671 10 2	432 4 4
33	Nilgiris.	Nilgiris	...	...	3	...	...	...		6,179 1 0	2,121 9 5	655 11 4
		Total of district ...	...	...	3	...	...	...		784 7 8	228 12 0	...
34	North Arcot.	Chittoor circle	...	1	6	6	3	1		784 7 8	228 12 0	...
35		Vellore do.	...	1	5	5	2	1		2,769 5 6	1,042 2 0	1,065 13 2
36		Karvetnagar circle	...	1	3	6	1	1		2,488 6 5	1,093 7 0	929 3 11
		Total of district ...	...	2	14	17	6	3		1,751 8 6	730 7 3	746 5 11
37	Madras Presidency.	Madras Presidency	1	...	...	...	...	...		7,009 4 5	2,856 0 3	2,781 7 0
		Total of district ...	1	...	...	...	...	...		13,800 0 0	1,264 8 9	...
38	Salem.	Krishnagiri circle	...	1	3	6	3	1		13,800 0 0	1,264 8 9	...
39		Salem do.	...	1	3	12	3	1		1,850 7 4	209 3 0	358 13 0
40		Namakkal do.	...	1	3	11	3	1		2,857 5 8	290 0 3	224 5 2
		Total of district ...	...	1	2	9	29	9	3	2,528 11 11	156 1 0	223 11 0
41	South Arcot.	Cuddalore circle	...	1	6	13	2	1		7,266 8 11	595 4 3	506 13 2
42		Vridhachalam circle	...	1	3	9	2	1		3,620 10 9	1,566 13 0	3,139 3 10
		Total of district ...	...	1	3	9	2	1		2,355 9 3	1,171 0 0	463 9 8
43	South Canara.	No. I, South Canara circle	...	1	3	6	7	1		5,976 4 0	2,737 13 0	3,602 13 6
44		No. II, do.	...	1	2	5	4	1		2,735 5 10	281 5 0	62 3 4
		Total of district ...	...	1	2	5	4	1		1,865 6 0	218 10 9	80 1 5
45	Tanjore.	Negapatam circle	...	1	5	9	2	1		4,600 11 10	502 15 9	142 4 9
46		Tanjore do.	...	1	4	15	2	1		2,827 13 8	855 3 0	335 1 9
		Total of district ...	...	2	9	24	4	2		3,478 6 1	400 12 3	785 10 7
47	Tinnevely.	Sattur circle	...	1	4	8	1	1		6,306 3 9	735 15 3	1,120 12 4
48		Sermadai circle	...	1	3	6	3	1		2,351 0 4	284 11 6	473 13 11
49		Tinnevely do.	...	1	3	10	2	1		2,302 8 3	220 11 0	553 5 8
		Total of district ...	...	1	2	10	24	6	3	3,063 6 7	367 11 6	450 15 5
50	Trichinopoly.	Trichinopoly circle	...	1	8	6	1	1		7,716 15 2	879 2 0	1,480 3 0
		Total of district ...	...	1	8	6	1	1		3,558 10 0	283 2 0	1,931 8 0
51	Vizagapatam.	Gunapur circle	...	1	1	1	1	1		3,558 10 0	283 2 0	1,931 8 0
52		Zemindari vaccinators	...	1	1	3	...	...		901 8 0	551 3 6	156 8 0
		Jeypore circle	...	1	2	2	1	1		346 0 0	202 2 0	...
		Zemindari vaccinators	...	1	5	2	...	...		1,271 14 6	772 12 6	172 2 3
		Total of Hill tracts ...	...	1	1	3	11	4	2	697 15 7	272 12 0	...
53	Vizagapatam.	Vizagapatam circle	...	1	5	7	2	1		3,217 6 1	1,798 14 0	823 10 3
54		Government vaccinators. (Gudem hills).	...	1	...	2	...	...		2,529 13 3	134 15 6	660 6 1
		Vizianagrum circle	...	1	9	...	...	1		291 9 6	131 10 0	...
		Total of district ...	...	2	2	17	26	10	4	2,923 5 8	168 0 0	1,020 7 4
		Grand Total of districts ...	1	33	19	205	371	124	52	1,41,212 12 1	32,493 8 10	28,871 1 1

DEPARTMENT.

Madras Presidency during the official year 1892-93—continued.

Total cost.	Paid from					Total.	Number of all successful vaccinations.	Average cost of each successful case.
	Imperial funds.	Provincial funds.	Local funds.	Municipalities.	Native states, zemindars, or private funds.			
14	15	16	17	18	19	20	21	22
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
2,503 10 5	...	...	2,503 10 5	...	...	2,503 10 5	10,727	0 3 9
3,692 14 9	...	...	3,692 14 9	...	...	3,692 14 9	14,386	0 4 1
2,959 12 7	...	...	2,959 12 7	...	...	2,959 12 7	10,609	0 4 6
9,156 5 9	...	...	9,156 5 9	...	...	9,156 5 9	35,722	0 4 1
1,013 3 8	...	...	1,013 3 8	...	...	1,013 3 8	2,759	0 5 11
1,013 3 8	...	...	1,013 3 8	...	...	1,013 3 8	2,759	0 5 8
4,897 4 8	...	...	4,897 4 8	...	...	4,897 4 8	18,370	0 4 3
4,521 1 4	...	...	4,521 1 4	...	...	4,521 1 4	18,932	0 3 10
3,228 5 8	...	...	3,228 5 8	...	...	3,228 5 8	16,538	0 3 1
12,646 11 8	...	...	12,646 11 8	...	...	12,646 11 8	53,840	0 3 9
15,064 8 9	...	15,064 8 9	...	...	...	15,064 8 9	...	...
15,064 8 9	...	15,064 8 9	...	...	...	15,064 8 9	...	...
2,448 7 4	...	...	2,448 7 4	...	...	2,448 7 4	14,291	0 2 8
3,311 11 1	...	...	3,311 11 1	...	...	3,311 11 1	23,380	0 2 3
2,908 7 11	...	...	2,908 7 11	...	...	2,908 7 11	25,265	0 1 10
8,668 10 4	...	...	8,668 10 4	...	...	8,668 10 4	62,936	0 2 2
8,326 11 7	...	...	8,326 11 7	...	...	8,326 11 7	39,182	0 3 5
3,990 2 11	...	...	3,990 2 11	...	...	3,990 2 11	21,184	0 3 0
12,316 14 6	...	...	12,316 14 6	...	...	12,316 14 6	60,366	0 3 3
3,081 14 2	...	...	3,081 14 2	...	...	3,081 14 2	25,625	0 1 11
2,164 2 2	...	...	2,164 2 2	...	...	2,164 2 2	18,404	0 1 11
5,246 0 4	...	...	5,246 0 4	...	...	5,246 0 4	43,820	0 1 11
3,518 2 5	...	...	3,518 2 5	...	...	3,518 2 5	17,130	0 3 3
4,664 12 11	...	...	4,664 12 11	...	...	4,664 12 11	21,116	0 3 6
8,182 15 4	...	...	8,182 15 4	...	...	8,182 15 4	38,246	0 3 5
3,109 9 9	...	...	3,109 9 9	...	...	3,109 9 9	23,724	0 2 1
3,084 8 11	...	...	3,084 8 11	...	...	3,084 8 11	26,629	0 1 10
3,882 1 6	...	...	3,882 1 6	...	...	3,882 1 6	27,762	0 2 3
10,076 4 2	...	...	10,076 4 2	...	...	10,076 4 2	78,035	0 2 1
5,773 4 0	...	...	5,773 4 0	...	...	5,773 4 0	45,192	0 2 1
5,773 4 0	...	...	5,773 4 0	...	...	5,773 4 0	45,192	0 2 1
1,609 3 6	...	1,609 3 6	...	...	...	1,609 3 6	2,524	0 10 2
548 2 0	...	...	...	...	548 2 0	548 2 0	2,102	0 3 1
2,216 13 3	...	2,216 13 3	...	...	...	2,216 13 3	2,674	0 13 3
970 11 7	...	...	...	...	970 11 7	970 11 7	4,412	0 3 6
5,344 14 4	...	3,826 0 9	...	...	1,518 13 7	5,344 14 4	11,712	0 7 4
3,525 2 10	...	...	3,525 2 10	...	...	3,525 2 10	22,921	0 2 6
333 3 6	...	333 3 6	...	...	...	333 3 6	627	0 8 6
4,109 13 0	...	...	4,109 13 0	...	...	4,109 13 0	23,347	0 3 10
13,313 1 8	...	4,159 4 3	7,634 15 10	...	1,518 13 7	13,313 1 8	58,607	0 3 8
2,02,577 6 0	...	21,759 11 0	1,79,293 13 5	...	1,518 13 7	2,02,577 6 0	940,020	0 3 5

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1892-93.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary vaccination.	Re-vaccination.
						Under 1 year.	Above 1 and under 3 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Anantapur district.												
Buickapattam	...	...	91	...	91	39	23	50	...	...	100-0	83-3
Dharmavaram	...	...	59	...	59	32	27	59	...	...	100-0	...
Gooty	...	...	93	...	93	6	83	90	...	...	96-8	...
Hindapur	...	...	82	...	82	46	35	81	...	...	98-8	...
Kalyandrug	...	...	48	...	48	23	17	40	...	...	87-5	...
Madakasira	...	...	95	...	86	16	43	59	9	8	75-6	22-2
Pennakonda	...	...	47	...	47	33	10	40	...	...	97-9	...
Tadpatri	...	...	65	...	62	16	33	49	3	3	79-0	100-0
Uravakonda	...	...	51	...	51	16	33	49	...	...	96-1	...
Total	...	...	646	...	628	227	322	570	18	10	90-8	55-5
Bellary district.												
Adoni	...	...	475	...	417	212	119	333	58	42	79-9	72-4
Alur	...	...	43	...	43	20	13	33	...	...	90-7	...
Bellary	...	...	38	...	30	5	1	22	8	3	73-3	37-5
Bucepettah	...	...	58	...	58	31	22	56	...	...	90-6	...
Cowl Bazar	...	...	53	...	53	36	13	49	...	...	92-5	...
Hospet	...	...	56	...	56	15	41	56	...	...	100-0	...
Hadagally	...	...	89	...	89	68	17	85	...	...	95-5	...
Harpanahalli	...	...	148	...	148	62	73	135	...	...	91-2	...
Helalagundi	...	...	6	...	9	2	6	8	...	...	84-9	...
Kanekalla	...	...	86	...	80	42	29	73	...	...	91-3	...
Kodligi	...	...	14	...	14	12	2	14	...	...	100-0	...
Kowtalam	...	...	24	...	24	8	12	24	...	...	100-0	...
Kumpli	...	...	36	...	36	16	33	33	...	...	100-0	...
Kurugodu	...	...	39	...	39	26	11	37	...	...	94-9	...
Mokah	...	...	...	...	...	...	...	...	...	...	...	...
Rayadrug	...	...	83	...	83	27	45	74	...	...	89-2	...
Sandur	...	...	74	...	74	8	45	53	...	...	78-4	...
Siraguppa	...	...	68	...	68	48	20	68	...	...	100-0	...
Yemimgaund	...	...	88	...	88	63	24	87	...	...	97-7	...
Total	...	...	1,475	...	1,409	510	509	1,254	65	45	89-0	68-2
Chingleput district.												
Chingleput	...	...	204	...	243	40	125	207	21	6	85-2	28-6
Conjeeveram	...	...	187	...	132	100	39	130	5	5	98-5	100-0
Cheyar	...	...	304	...	304	74	181	301	...	...	90-0	...
Madurantakam	...	...	392	...	321	3	11	299	71	6	93-1	8-5
Nagalapattam	...	...	341	...	341	180	123	317	...	...	93-0	...
Ponnéri	...	...	212	...	240	68	114	207	2	2	86-3	100-0
Ponnamallee	...	...	267	...	264	48	129	253	3	2	95-8	66-7
Pulicat	...	...	313	...	313	129	130	274	...	...	87-5	...
Saitapet	...	...	329	...	329	4	279	299	...	...	90-9	...
Sathaveda	...	...	322	...	321	156	116	295	1	1	92-2	100-0
Sripurambadur	...	...	311	...	302	152	107	291	9	3	96-4	100-0
St. Thomas' Mount	...	...	57	...	52	1	3	8	5	...	15-4	...
Tiruppur	...	...	322	...	303	136	94	299	19	15	95-4	78-9
Tiruvallur	...	...	361	...	350	203	129	317	1	1	96-4	100-0
Tiruvottiyur	...	...	322	...	322	66	201	300	...	...	93-2	...
Utrammarur	...	...	316	...	287	81	117	227	29	20	79-1	69-0
Total	...	...	4,600	...	4,434	1,441	1,589	4,015	165	67	91-2	40-4
Coimbatore district.												
Alanthorai	...	...	25	...	25	1	7	9	...	...	36-0	...
Aravakurichi	...	...	62	...	62	4	27	34	...	...	54-9	...
Bhavani	...	...	118	...	118	17	47	112	...	...	94-9	...
Coimbatore main	...	...	32	...	32	16	8	31	3	3	96-9	100-0
Do. and children.	...	...	44	...	44	10	7	31	...	...	70-5	...
Dharmapuram	...	...	93	...	76	6	39	48	17	12	63-2	70-6

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1892-93—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary vaccination.	Re-vaccination.
						Under 1 year.	Above 1 and under 3 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Coimbatore district—cont.												
Erode	...	...	123	...	123	30	44	100	...	...	88-6	...
Gopichettipalayam	...	...	101	...	101	38	31	83	...	...	82-2	...
Karur	...	...	55	...	43	8	21	41	12	10	95-4	83-8
Kollegal	...	...	101	...	100	53	29	89	1	1	89-0	100-0
Kangaya	...	...	51	...	51	9	21	30	...	...	58-8	...
Mettapalayam	...	...	68	...	68	7	40	50	...	...	73-3	...
Moolanur	...	...	13	...	13	3	1	5	...	...	38-5	...
Palladam	...	...	85	...	80	10	23	60	5	2	75-0	40-0
Pollachi	...	...	79	...	68	20	9	36	11	1	62-9	96-9
Satyamangalam	...	...	102	...	102	7	49	60	...	...	58-8	...
Sambale	...	...	10	...	10	2	2	5	...	...	50-0	...
Tiruppur	...	...	93	...	98	28	57	17	...	...	94-8	...
Udamalpet	...	...	31	...	31	2	16	17	...	...	54-8	...
Vettigarapudur	...	...	40	...	40	1	1	2	...	...	5-0	...
Total	...	...	1,329	...	1,280	272	478	940	49	29	73-4	59-2
Cuddalore district.												
Badvel	...	...	40	...	28	4	20	27	12	3	96-4	25-0
Chitvel	...	...	13	...	11	1	3	7	2	...	63-6	...
Cuddalore	...	...	65	...	65	...	...	52	...	...	80-0	...
Jammalamadugu	...	...	20	...	20	...	10	16	...	...	80-0	...
Kadiri	...	...	46	...	45	13	8	43	1	1	97-8	100-0
Madanapalle	...	...	142	...	136	39	92	135	6	5	99-3	83-3
Pilera	...	...	28	...	28	4	17	27	...	...	96-4	...
Puramamilla	...	...	19	...	19	7	13	...	...	...	68-4	...
Proddatur	...	...	26	...	26	10	12	22	...	...	84-6	...
Pulivendla	...	...	21	...	21	...	5	5	...	...	28-7	...
Razarpet	...	...	15	...	15	8	6	15	...	...	100-0	...
Rayachoti	...	...	113	...	110	18	52	106	8	3	96-4	100-0
Siddhant	...	...	28	...	14	2	2	6	14	3	35-7	21-4
Total	...	...	576	...	538	93	234	473	38	15	87-9	32-5
Ganjam district.												
Aska	...	...	196	...	182	1	23	74	14	5	40-6	35-7
Berhampur	...	...	54	...	54	...	38	41	...	...	75-9	...
Calingapatam	...	...	250	...	250	21	57	146	...	...	56-2	...
Chicacole	...	...	55	...	55	6	21	35	...	...	63-6	...
Dogam	...	...	113	...	104	2	36	68	9	3	55-8	33-3
Ganjam	...	...	66	...	66	3	27	64	...	...	97-0	...
Gopalpur	...	...	52	...	52	4	15	32	...	...	68-5	...
Jelchhapuram	...	...	190	...	189	80	59	141	1	...	74-6	...
Kalikota	...	...	51	...	48	3	23	40	8	3	83-3	100-0
Parlakimedi	...	...	193	...	193	88	35	136	...	...	70-5	...
Parashottapur	...	...	77	...	77	6	27	51	...	...	69-2	...
Russellkonda	...	...	17	...	17	...	16	16	...	...	94-1	...
Sampeta	...	...	124	...	124	42	63	110	...	...	88-7	...
Surada	...	...	114	...	114	3	60	83	...	...	72-8	...
Tekkuli	...	...	106	...	106	3	56	74	...	...	69-8	...
Udayagiri	...	...	11	...	11	...	3	...	...	...	27-3	...
Varanasi	...	...	225	...	225	33	83	144	...	...	63-6	...
Total	...	...	1,894	...	1,867	295	638	1,248	27	11	66-8	40-7
Giddalur district.												
Amalapuram	...	...	240	...	193	8	47	130	47	2	67-4	42-6
Bhadrachalam	...	...	73	...	65	9	25	43	7	...	65-2	160-0
Bhimavaram	...	...	142	...	142	1	30	135	...	...	93-2	...
Chintalapudi	...	...	13	...	13	4	7	...	...	...	53-8	...
Dowlaisweram	...	...	145	...	134	9	53	67	11	9	50-0	81-8

B-DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1892-93—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary vaccination.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Godavari district—cont.												
Ellore	...	...	170	...	170	29	84	166	...	...	97.6	...
Gokaram	...	...	83	...	83	11	40	61	...	...	77.1	...
Kothapeta	...	...	124	...	124	13	41	83	...	...	66.9	...
Mandapeta	...	...	211	...	188	24	100	167	13	13	84.4	100.0
Munakdivaram	...	...	156	...	148	1	37	91	8	1	69.6	12.5
Narsapur	...	...	119	...	116	...	14	68	3	3	58.7	100.0
Peddapuram	...	...	119	...	119	8	63	93	...	...	78.2	...
Pithapuram	...	...	89	...	88	4	58	85	1	1	96.6	100.0
Polavaram	...	...	151	...	149	2	41	82	2	2	55.0	100.0
Rajahmundry	...	...	102	...	102	3	22	92	...	...	90.2	...
Ramaschendrapuram	...	...	240	...	236	11	78	162	4	4	68.6	100.0
Rozole	...	...	133	...	113	...	22	83	20	20	73.5	100.0
Talipatdi	...	...	87	...	87	3	40	54	...	...	62.1	...
Tanuka	...	...	116	...	115	6	73	93	1	1	80.9	100.0
Tuni	...	...	111	...	111	6	39	74	...	...	66.7	...
Yelavaram	...	...	193	...	191	2	114	166	2	1	86.9	50.0
Total	...	...	2,817	...	2,698	151	1,083	2,005	119	64	74.3	53.8
Kistna district.												
Bapatla	...	...	20	...	29	7	18	26	...	...	89.7	...
Bezavada	...	...	...	...	...	...	...	...	...	...	...	...
Chirala	...	...	153	...	158	20	72	143	...	...	90.5	...
Challapalle	...	...	41	...	41	3	23	40	...	...	97.6	...
Dachapalle	...	...	75	...	38	8	23	38	38	23	100.0	86.8
Duggirala	...	...	70	...	70	3	...	60	...	...	84.3	...
Gudiyada	...	...	14	...	14	1	5	9	...	...	64.3	...
Guntur	...	...	...	...	...	...	...	...	...	...	...	...
Jaggayyapeta	...	...	23	...	23	1	19	23	...	...	100.0	...
Karimpoody	...	...	36	...	36	7	16	28	...	...	77.8	...
Masulipatan	...	...	144	...	144	...	38	133	...	...	92.4	...
Do. Branch dispensary	...	...	...	...	...	...	...	...	...	...	...	...
Nandigama	...	...	30	...	30	...	15	20	...	...	66.7	...
Narasaraopet	...	...	132	...	132	52	60	118	...	...	89.4	...
Nazvid	...	...	112	...	112	15	73	105	...	...	93.8	...
Rapalle	...	...	39	...	39	7	23	32	...	...	82.1	...
Sattenapalle	...	...	25	...	19	14	4	18	6	6	94.7	100.0
Sethanagaram	...	...	...	...	...	...	...	...	...	...	...	...
Tenali	...	...	20	...	20	4	4	20	...	...	100.0	...
Tiravur	...	...	67	...	67	23	...	...	...	...	79.1	...
Tumacode	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	1,070	...	1,026	180	444	915	44	39	89.2	88.6
Kurnool district.												
Atmakur	...	...	67	...	67	14	9	50	...	...	74.6	...
Chagalmurri	...	...	168	...	53	2	22	43	55	44	81.1	80.0
Cumbum	...	...	70	...	67	7	25	47	3	3	70.1	100.0
Dhone	...	...	23	...	28	4	6	11	...	...	39.3	...
Kalava	...	...	45	...	45	...	13	37	...	...	82.2	...
Kodamur	...	...	70	...	57	14	18	37	13	13	64.9	100.0
Kolkuntla	...	...	53	...	23	...	14	23	30	30	100.0	100.0
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...
Markapur	...	...	51	...	51	3	6	51	...	...	100.0	...
Mundlapaud	...	...	28	...	28	...	22	28	...	...	100.0	...
Madikera	...	...	96	...	96	18	44	77	...	...	80.2	...
Naodyal	...	...	108	...	51	6	17	41	57	57	80.4	100.0
Nandikotkur	...	...	57	...	43	...	27	14	10	...	62.5	71.4
Owk	...	...	99	...	99	48	42	95	...	...	96.0	...

* Returns not received.

B-DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1892-93—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary Vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary vaccination.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Kurnool district—cont.												
Pattikonda	...	...	35	...	23	2	15	24	7	7	85.7	100.0
Sirvel	...	...	43	...	43	29	8	45	...	...	100.0	...
Velgode	...	...	9	...	9	...	...	1	...	...	11.1	...
Yerragondapoli ...	...	...	33	...	33	3	25	31	...	...	93.9	...
Total	...	...	1,003	...	824	150	287	669	179	134	81.1	91.6
Madras town.												
Black Town, North Side	...	...	...	...	...	...	...	...	...	...	...	...
Hospital for Women & Children, Madras ...	...	...	...	...	...	...	...	...	...	...	...	...
Native Infirmary	...	...	...	...	...	...	...	...	...	...	...	...
Triphican dispensary.	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...	...	...	...	...
Madura district.												
Andipati	...	...	19	...	19	9	9	18	...	...	94.7	...
Aruppukottai	...	...	58	...	58	15	20	58	...	...	100.0	...
Bodinayakkanr	...	...	36	...	35	7	9	17	1	1	48.6	100.0
Balingandoo	...	...	207	...	188	64	86	160	19	15	85.1	78.9
Devakottai	...	...	120	...	120	12	69	118	...	...	98.3	...
Kamudi	...	...	37	...	33	...	8	15	4	4	45.5	100.0
Karaikkudi	...	...	162	...	159	12	94	125	3	1	78.6	33.3
Kilakarai	...	...	28	...	25	3	6	9	3	...	36.0	...
Kodaikanal	...	...	101	...	47	12	16	35	54	10	74.5	18.5
Konnivadi	...	...	110	...	110	25	68	98	...	...	89.1	...
Idaiyagudi	...	...	10	...	5	3	1	4	5	...	80.0	...
Madura	...	...	21	...	20	10	7	18	1	...	90.0	...
Do Branch	...	...	...	...	...	...	...	...	...	...	...	...
dispensary	...	...	12	...	12	4	2	10	...	...	83.3	...
Manamadurai	...	...	52	...	22	7	3	22	30	18	100.0	60.0
Melur	...	...	116	...	105	21	70	98	10	9	92.5	90.0
Madukulattur	...	...	39	...	39	16	15	34	...	...	87.2	...
Nilakkottai	...	...	121	...	121	57	45	108	...	...	80.2	...
Natham	...	...	60	...	60	5	7	14	...	...	23.3	...
Palai	...	...	4	...	4	...	...	...	...	...	100.0	...
Palani	...	...	83	...	83	5	12	18	...	...	21.7	...
Paramagudi	...	...	123	...	122	64	47	118	1	1	95.1	100.0
Periyakulam	...	...	98	...	98	46	57	98	...	...	98.0	...
Periyar	...	...	29	...	29	1	7	8	...	...	27.6	...
Rajasinganallam ...	...	...	25	...	14	...	4	5	9	...	42.8	...
Ramaswaram	...	...	94	...	94	18	11	58	...	...	61.7	...
Ramnad	...	...	45	...	45	27	15	45	...	...	100.0	...
Saptur	...	...	76	...	76	22	40	64	...	...	84.2	...
Sholavandan	...	...	77	...	63	5	18	26	14	3	41.3	21.4
Sivaganga	...	...	160	...	157	36	101	157	3	3	100.0	100.0
Thandikudi	...	...	6	...	6	1	1	3	...	...	50.0	...
Thokkadi	...	...	...	...	...	...	...	...	...	...	...	...
Tirumangalam	...	...	160	...	151	51	65	118	9	1	78.1	11.1
Tirupattur	...	...	69	...	66	10	43	63	3	2	95.5	66.7
Tirupuvanam	...	...	154	...	107	10	80	107	47	47	100.0	100.0
Tiruchali	...	...	...	...	...	...	...	...	...	...	...	...
Tiruvadanai	...	...	74	...	25	2	3	8	49	49	32.0	100.0
Usilampatti	...	...	112	...	112	34	57	102	...	...	91.1	...
Uttamapalayam ...	...	...	24	...	24	5	18	24	...	...	100.0	...
Vallanadi	...	...	47	...	44	10	12	27	3	...	61.4	...
Vedasandur	...	...	31	...	31	...	23	30	...	...	96.8	...
Virupakshi	...	...	48	...	45	1	4	5	3	2	11.1	66.7
Total	...	...	2,243	...	2,575	699	1,133	1,942	271	186	75.6	61.3

* Returns not received.

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1892-93—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Successful.				Total.	Successful.	Primary vaccination.	Re-vaccination.
					Total.	Under 1 year.	Above 1 and under 5 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Malabar district.												
Alattur	...	...	20	...	16	...	4	16	4	3	100.0	75.0
Angadipuram	...	...	41	...	32	...	5	18	9	4	59.4	44.4
Badagara	...	...	17	...	12	...	3	17	...	...	100.0	...
Calicut	...	...	17	...	14	...	8	8	3	...	57.1	...
Cannanore	...	...	...	...	...	...	...	...	...	...	...	...
Chowghat	...	...	38	...	33	...	10	17	5	1	51.5	20.0
Cochin	...	...	183	...	163	16	73	154	20	14	94.5	70.0
Kittaparamba	...	...	69	...	69	...	3	33	...	...	47.8	...
Kollangot	...	...	29	...	29	...	14	26	...	...	89.7	...
Manantoddy	...	...	34	...	33	3	22	30	1	...	90.9	...
Manjeri	...	...	61	...	61	...	1	67	...	...	93.4	...
Minicoy	...	...	...	...	...	...	...	...	...	...	...	...
Nilambur	...	...	62	...	62	...	5	22	...	...	26.8	...
Palghat	...	...	14	...	14	1	4	10	...	...	71.4	...
Do. Branch	...	...	...	...	...	...	...	...	...	...	...	...
Pallipatti Lazareth	...	...	22	...	22	...	...	22	...	...	100.0	...
Ponnani	...	...	90	...	90	8	27	72	...	...	80.0	...
Quilandi	...	...	100	...	100	8	21	73	...	...	73.0	...
Sultan's Battery	...	...	59	...	59	4	4	50	...	...	84.7	...
Taliparamba	...	...	137	...	131	...	4	115	6	1	87.8	16.7
Tamracheri	...	...	59	...	59	...	...	35	...	...	57.6	...
Tellicherry	...	...	...	...	...	...	...	...	...	...	...	...
Vaniyambalam	...	...	54	...	37	2	6	25	17	6	67.6	35.3
Vayittiri	...	...	90	...	90	7	22	70	...	...	77.8	...
Total	...	...	1,216	...	1,151	49	234	871	65	29	75.7	44.6
Nellore district.												
Addanki	...	...	262	...	262	29	145	261	...	...	99.6	...
Allur	...	...	63	...	63	7	50	57	...	...	90.5	...
Atmakur	...	...	34	...	34	4	21	30	...	...	85.3	...
Beechiriddipolam	...	...	24	...	24	2	17	24	...	...	100.0	...
Darsi	...	...	10	...	10	...	2	2	...	...	20.0	...
Gudur	...	...	48	...	48	1	20	30	...	...	50.7	...
Kandukur	...	...	9	...	9	...	5	5	...	...	55.5	...
Katavayi	...	...	57	...	57	8	24	49	...	...	86.0	...
Kanigiri	...	...	...	...	...	...	...	...	...	...	...	...
Kavali	...	...	37	...	37	4	29	33	...	...	89.2	...
Kistnapatam	...	...	25	...	25	...	21	21	...	...	84.0	...
Kota	...	...	53	...	53	3	15	26	...	...	49.1	...
Kottapattam	...	...	24	...	24	...	20	23	...	...	95.8	...
Mayyadupet	...	...	...	...	...	...	...	...	...	...	...	...
Nellore	...	...	...	...	...	...	...	...	...	...	...	...
Do. Branch	...	...	...	...	...	...	...	...	...	...	...	...
Ongole	...	...	24	...	19	2	11	18	5	3	75.0	60.0
Pannoor	...	...	...	...	...	...	...	...	...	...	...	...
Podalakur	...	...	...	...	...	...	...	...	...	...	...	...
Podili	...	...	37	...	37	6	19	32	...	...	82.1	...
Rapur	...	...	50	...	50	3	30	45	...	...	90.0	...
Singaroyakonda	...	...	29	...	29	3	12	15	...	...	51.7	...
Sriharikota	...	...	...	...	...	...	...	...	...	...	...	...
Sullurpet	...	...	18	...	18	3	10	13	...	...	72.2	...
Udayagiri	...	...	66	...	64	12	29	49	2	2	74.2	100.0
Venkatagiri	...	...	42	...	42	6	27	41	...	...	97.6	...
Vinjamur	...	...	10	...	10	4	6	10	...	...	100.0	...
Total	...	...	917	...	810	97	513	793	7	5	87.1	71.4

* Returns not received.

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1892-93—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Successful.				Total.	Successful.	Primary vaccination.	Re-vaccination.
					Total.	Under 1 year.	Above 1 and under 5 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Nilgiri district.												
Devala	...	...	19	...	19	4	7	19	...	...	100.0	...
Gadalar	...	...	10	...	10	...	...	9	...	...	90.0	...
Ootacamund	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	29	...	29	4	7	28	...	...	96.6	...
North Arcot district.												
Ambur	...	...	105	...	105	53	107	160	...	...	96.4	...
Arcot	...	...	123	...	123	31	67	128	...	...	96.2	...
Arni	...	...	239	...	239	45	141	283	...	...	97.5	...
Arkonam	...	...	86	...	86	7	77	96	...	...	100.0	...
Chittoor	...	...	120	...	120	30	65	120	...	...	100.0	...
Gudipattinam	...	...	28	...	28	6	11	23	...	...	82.1	...
Kalidurasi	...	...	154	...	154	35	97	152	...	...	95.7	...
Kappam	...	...	65	...	65	15	31	65	...	...	100.0	...
Potter	...	...	15	...	15	11	15	...	...	...	100.0	...
Palamaner	...	...	335	...	319	103	174	309	16	11	94.9	68.8
Pangamur	...	...	118	...	109	22	63	109	9	9	100.0	...
Pattur	...	...	41	...	41	5	54	60	...	...	98.4	...
Ranipet	...	...	122	...	121	13	75	115	1	7	95.0	100.0
Sholinghur	...	...	412	...	400	28	223	314	3	1	76.8	83.3
Tirupuli	...	...	135	...	135	39	73	134	...	...	99.3	...
Tiruvattur	...	...	125	...	120	4	85	102	5	5	85.0	100.0
Vellore	...	...	93	...	93	30	40	81	...	...	87.1	...
Venkatagirikotah	...	...	45	...	45	15	26	45	...	...	100.0	...
Widajpet	...	...	24	...	24	8	15	23	...	...	95.8	...
Wandiwash	...	...	111	...	111	11	61	111	...	...	100.0	...
Total	...	...	2,587	...	2,553	539	1,502	2,985	34	27	93.4	79.4
Salem district.												
Attur	...	...	282	...	249	106	87	239	33	24	95.9	72.7
Alangayam	...	...	121	...	103	4	70	85	19	18	82.5	100.0
Ammapet Hospital Dispensary	...	...	...	...	...	...	...	...	...	...	...	...
Dhankalakotah	...	...	108	...	108	1	56	85	...	...	47.2	...
Dharmapuri	...	...	247	...	235	9	147	197	12	2	79.6	16.7
Harur	...	...	110	...	110	13	78	92	...	...	83.6	...
Hosur	...	...	122	...	121	76	33	109	1	7	90.1	100.0
Krishnagiri	...	...	161	...	158	64	64	131	3	3	82.9	100.0
Nagakkal	...	...	228	...	193	10	85	150	35	10	77.7	...
Omair	...	...	76	...	76	28	28	65	...	...	85.5	...
Pilsekoda	...	...	96	...	96	2	73	90	...	...	93.7	...
Ponnagaram	...	...	211	...	107	22	58	88	104	27	82.2	26.0
Ranipet	...	...	279	...	279	111	118	229	...	...	82.1	...
Royasota	...	...	82	...	81	7	49	58	1	1	72.8	100.0
Salem	...	...	...	...	...	...	...	...	...	...	...	...
Sankaridurg	...	...	301	...	101	13	45	95	...	...	94.1	...
Sendamangalam	...	...	188	...	168	19	69	108	...	...	84.3	...
Thali	...	...	84	...	84	29	42	75	...	...	83.9	...
Thamampatti	...	...	123	...	122	21	57	97	...	...	79.5	...
Tiruchengod	...	...	113	...	112	...	16	29	84	53	89.7	61.9
Tirupattur	...	...	114	...	112	58	111	24	2	2	89.1	100.0
Uttangudi	...	...	29	...	29	9	15	24	...	...	82.8	...
Vaniyambadi	...	...	205	...	205	62	130	195	...	...	95.2	...
Yercaud	...	...	81	...	78	4	43	61	3	...	78.2	...
Total	...	...	3,140	...	2,844	638	1,415	2,400	296	140	84.4	47.3

B-DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1892-93—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary vaccination.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
South Arcot district.												
Chengam	...	...	16	...	16	5	9	16	...	...	100.0	...
Chidambaram	...	...	42	...	42	18	22	40	...	...	95.2	...
Gingee	...	...	55	...	55	15	19	47	...	...	85.5	...
Kallakurichi	...	...	14	...	44	12	10	12	...	...	85.7	...
Kurinchippadi	...	...	8	...	8	7	7	7	...	...	87.5	...
Mannargudi	...	...	34	...	30	4	6	11	4	...	30.7	...
Markanani	...	...	70	...	67	21	29	54	3	3	80.6	100.0
Nellikuppam	...	...	5	...	5	3	2	5	...	...	100.0	...
New Town, Cuddalore.	...	...	158	...	158	38	97	145	...	...	91.8	...
Old Town, do.	...	...	39	...	35	12	23	35	4	3	100.0	75.0
Panruti	...	...	8	...	8	2	6	8	...	...	100.0	...
Porto Novo	...	...	28	...	28	5	15	26	...	...	68.4	...
Sankarapuram	...	...	33	...	33	1	12	21	...	...	63.6	...
Srimushnam	...	...	24	...	24	4	4	12	...	...	50.0	...
Tindivanam	...	...	7	...	7	5	7	7	...	...	100.0	...
Tirukkoilur	...	...	48	...	48	15	23	46	...	...	95.8	...
Tirupappuliyur	...	...	12	...	12	5	7	7	...	...	58.3	...
Tiruvannamalai	...	...	73	...	73	15	34	49	...	...	67.1	...
Tittagudi	...	...	47	...	41	10	25	35	6	3	92.7	50.0
Ulundurpettai	...	...	28	...	28	6	11	23	...	...	82.1	...
Vanoor	...	...	7	...	7	6	6	6	...	...	85.7	...
Villapuram	...	...	52	...	52	6	33	39	...	...	75.0	...
Vidduchalam	...	...	10	...	10	1	4	10	...	...	100.0	...
Vattavalam	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	828	...	811	186	400	669	17	9	81.9	52.9
South Canara district.												
Bantval	...	...	70	...	70	8	32	55	...	...	80.0	...
Beltangady	...	...	62	...	87	1	20	33	25	23	89.2	92.0
Gollithatti	...	...	15	...	15	...	5	12	...	...	80.0	...
Hebri	...	...	36	...	19	...	9	16	17	15	84.2	88.2
Hosdurg	...	...	...	...	...	...	...	...	...	...	...	...
Jalsar	...	...	100	...	104	3	48	88	5	3	84.6	60.0
Karkal	...	...	70	...	70	3	24	37	...	...	52.9	...
Kasaragod	...	...	213	...	213	18	143	239	...	...	98.4	...
Kollara	...	...	24	...	21	1	11	12	3	2	52.3	66.7
Kundapur	...	...	43	...	43	...	11	36	...	...	83.1	...
Mangalore	...	...	99	...	90	8	32	67	9	9	100.0	100.0
Manjerwar	...	...	...	...	...	...	...	...	...	...	...	...
Moolki	...	...	15	...	15	1	7	13	...	...	82.7	...
Mudabidri	...	...	26	...	26	...	2	12	...	...	50.0	...
Puttur	...	...	182	...	115	7	41	104	67	47	90.4	70.2
Shenkarnaram	...	...	67	...	47	4	21	41	20	12	87.5	60.0
Udipi	...	...	108	...	87	8	44	86	21	19	93.9	90.5
Total	...	...	1,169	...	1,002	61	490	875	167	130	87.3	77.3
Tanjore district.												
Arampettai *	...	...	131	...	119	8	75	95	12	10	12.5	83.3
Arani	...	...	194	...	194	24	130	182	...	...	91.3	...
Araniyapattanam	...	...	120	...	120	3	72	86	...	...	71.7	...
Araniyarkoil	...	...	174	...	174	13	63	155	...	...	89.1	...
Ayyampettai	...	...	192	...	194	3	28	129	58	29	96.3	50.0
Karathattangudi	...	...	239	...	194	54	124	191	45	45	98.5	100.0
Kodavasal	...	...	182	...	168	23	93	141	14	11	88.9	78.6
Kumbakonam	...	...	96	...	96	22	42	83	...	...	86.5	...
Do. Branch.	...	...	200	...	200	2	149	169	...	...	84.5	...
Kuttavallur	...	...	42	...	37	2	20	34	6	5	91.9	100.0
Manamalakudi	...	...	183	...	64	...	37	59	119	52	32.2	43.7

* Return not received.

B-DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1892-93—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary vaccination.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Tanjore district—cont.												
Mannargudi	...	...	228	...	180	8	85	173	39	31	91.5	78.5
Madukur	...	...	247	...	228	54	143	214	19	19	93.4	100.0
Mayacaram	...	...	213	...	164	48	66	154	79	73	93.9	92.4
Mingassal *	...	...	...	...	...	...	...	...	...	...	...	...
Muttupet	...	...	210	...	206	17	121	178	5	3	86.8	69.0
Nagore Branch *	...	...	...	...	...	...	...	...	...	...	...	...
Nannulam	...	...	168	...	154	14	109	151	14	8	98.1	67.1
Negapatam *	...	...	...	...	...	...	...	...	...	...	...	...
Nidimangalam	...	...	8	...	8	...	...	8	...	...	100.0	...
Orthanand	...	...	201	...	166	17	64	134	25	21	80.7	60.0
Papandam	...	...	215	...	206	14	92	185	9	9	90.3	100.0
Pattukkottai	...	...	300	...	297	9	179	228	3	2	76.8	66.7
Rajah Mirasdar Hospital.	...	...	10	...	10	2	6	10	...	...	100.0	...
Shivali	...	...	217	...	164	28	54	157	53	53	95.7	100.0
Tirukkattupalli	...	...	145	...	145	7	48	113	...	...	77.9	...
Tirutturaiappadi	...	...	196	...	191	23	93	163	5	2	85.3	40.0
Tiruvadamard	...	...	218	...	209	26	151	201	9	9	96.2	100.0
Tiruvadi	...	...	172	...	171	6	73	129	1	1	75.4	100.0
Tiruvallur	...	...	209	...	202	16	146	197	7	7	97.5	100.0
Tranquebar	...	...	100	...	91	25	46	87	6	1	92.6	16.7
Do. Branch	...	...	25	...	25	4	14	22	...	...	88.0	...
Velacudi	...	...	147	...	145	14	68	135	2	1	93.1	50.0
Velangynan	...	...	166	...	166	...	96	157	...	...	94.6	...
Valara	...	...	101	...	101	2	88	96	...	...	95.0	...
Velangulam *	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	5,279	...	4,740	483	2,617	4,218	539	392	89.0	72.7
Tinnevely district.												
Ambasandram	...	...	64	...	64	4	23	45	...	...	70.3	...
Christianagar	...	...	26	...	24	...	20	20	2	2	83.3	100.0
Kodavendy	...	...	55	...	54	3	19	33	1	1	61.1	100.0
Mannanapuram	...	...	14	...	14	3	7	10	...	...	71.4	...
Nagalapuram	...	...	7	...	7	...	3	7	...	...	100.0	...
Nagapuri	...	...	50	...	50	5	33	47	...	...	94.0	...
Nazareth	...	...	2	...	2	...	2	2	...	...	100.0	...
Ottapidaram	...	...	38	...	38	1	21	32	...	...	84.2	...
Pakacottah	...	...	74	...	31	...	2	31	33	24	100.0	55.8
Radhapuram	...	...	45	...	45	9	7	28	...	...	62.2	...
Sankaranayitharkoil	...	...	94	...	83	8	21	69	11	4	83.1	36.4
Sattur	...	...	80	...	74	6	33	66	6	4	89.2	68.6
Sawyerporam	...	...	57	...	50	4	39	44	1	...	78.6	...
Shermadevi	...	...	104	...	104	9	42	61	...	...	77.9	...
Sivakasi	...	...	24	...	24	6	6	16	...	...	66.7	...
Srivakuntam	...	...	146	...	146	7	62	129	...	...	88.4	...
Srivilliputtur	...	...	132	...	106	15	64	82	26	20	86.7	76.9
Tenkasi	...	...	120	...	115	6	52	84	5	...	73.0	...
Tinnevely	...	...	44	...	44	17	12	38	...	...	86.4	...
Tirukarangudy	...	...	61	...	51	6	19	31	10	7	60.9	70.0
Trichendur	...	...	18	...	13	2	8	15	...	...	83.3	...
Tuticorin	...	...	85	...	82	8	55	73	3	2	91.5	66.6
Virakeralampudur	...	...	87	...	87	12	30	67	...	...	65.5	...
Virangavapuram	...	...	54	...	54	12	21	54	...	...	100.0	...
Virudupatti	...	...	65	...	65	15	16	44	...	...	67.7	...
Total	...	...	1,546	...	1,438	158	630	1,150	108	64	80.0	59.2
Trichinopoly district.												
Ariyalur	...	...	99	...	91	28	51	87	8	8	95.6	100.0
Branganore	...	...	38	...	38	5	11	25	...	...	65.8	...
Hoppur	...	...	30	...	28	1	11	15	2	...	53.6	...

* Returns not received.

B-DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1892-93—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary vaccination.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Trichinopoly district—cont.												
Kulittalai	...	...	84	...	78	15	64	79	5	1	100.0	20.0
Lalgudy	...	...	125	...	120	1	58	114	5	...	95.0	...
Manapparái	...	...	39	...	39	2	21	80	...	...	70.9	...
Musiri	...	...	59	...	59	3	53	55	...	...	94.9	...
Perambalur	...	...	149	...	107	23	39	88	42	19	82.2	43.2
Srirangam	...	...	80	...	86	49	29	80	...	...	98.0	...
Trichinopoly Do. Leper Hospital	...	...	87	...	85	25	38	78	2	...	91.8	...
Turaiyūr	...	...	40	...	40	2	32	34	...	...	85.0	...
Tavarankurichi	...	...	105	...	105	6	86	92	...	...	87.5	...
Udaiyarpalayam	...	...	129	...	119	43	30	113	10	19	90.0	100.0
Oriyūr Jubilee Dispensary	...	...	68	...	68	5	32	37	...	...	54.4	...
Total ...	...	...	1,238	...	1,164	225	627	1,024	74	38	88.0	61.4
Vizagapatam district.												
Anakāpalle	...	...	120	...	119	5	82	113	1	...	95.0	...
Bimlipatam	...	...	27	...	19	4	2	19	8	8	100.0	100.0
Bissimcottah	...	...	23	...	23	...	4	20	...	...	87.0	...
Bobbili	...	...	205	...	195	14	94	146	10	5	74.9	50.0
Chipurupalle	...	...	4	...	3	1	1	3	1	1	100.0	100.0
Chōjavaram	...	...	200	...	200	35	105	200	...	...	100.0	...
Gajapatnagar	...	...	103	...	103	19	45	69	...	...	67.0	...
Gūnapur	...	...	70	...	57	14	27	57	13	...	100.0	...
Jamī	...	...	319	...	319	39	167	290	...	...	98.7	...
Jeypore	...	...	28	...	28	3	18	24	...	...	88.7	...
Nakkapalli	...	...	21	...	20	...	11	16	1	1	89.0	100.0
Narsaperum	...	...	34	...	31	25	3	30	...	...	87.6	...
Nowrangapur	...	...	38	...	32	1	16	25	6	5	78.1	83.3
Palkonda	...	...	169	...	162	4	55	124	11	5	81.6	45.5
Pandur	...	...	57	...	43	...	18	43	14	10	100.0	71.4
Pervatipur	...	...	279	...	279	83	122	279	...	...	160.0	...
Razagada	...	...	20	...	20	...	...	...	...	...	...	...
Rozam	...	...	137	...	137	3	77	122	...	...	89.1	...
Sākir	...	...	141	...	141	14	59	141	...	...	100.0	...
Sarangavarapukota	...	...	90	...	56	17	15	39	34	17	68.4	50.0
Vecraghattam	...	...	25	...	25	3	9	16	...	...	64.0	...
Vizagapatam	...	...	...	...	...	...	...	...	...	...	...	...
Yellamanchili	...	...	32	...	32	6	10	32	...	...	100.0	...
Total ...	...	...	2,136	...	2,037	289	990	1,617	99	52	83.2	52.5
Grand Total ...	...	...	38,341	...	36,958	6,722	16,442	30,292	2,363	1,490	84.2	62.8

End 25 49

COMPARATIVE STATEMENT No. IV showing the number of persons primarily vaccinated and the number of those persons who were successfully vaccinated in the United States Presidency in each of the undermentioned years.

Establishment.	Persons primarily vaccinated.																						
	1891.		1892.		1893.		1894.		1895.		1896.		1897-98.		1898-99.		1899-91.		1901-02.		1902-03.		
	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	
Govt. vaccinators ...	10,104	9,693	9,190	8,711	16,587	12,910	12,043	9,976	9,761	8,511	8,304	9,741	9,479	17,002	16,216	23,257	27,227	17,520	16,994	18,975	14,906	15,038	13,828
Local fund do ...	476,665	455,696	535,329	493,415	591,052	630,490	617,476	569,624	608,729	579,261	584,711	557,732	618,588	549,858	670,318	612,761	708,053	850,353	743,467	830,117	768,016	682,209	889,648
Cantonment do ...	5,213	4,941	8,449	3,207	2,734	3,401	3,155	2,442	2,506	2,830	2,677	3,575	3,265	4,316	3,915	3,941	3,288	3,691	3,243	3,253	2,959	5,206	4,806
Native States do ...	3,835	3,286	2,838	3,452	4,751	4,336	4,291	4,052	4,316	4,429	4,216	4,042	3,885	2,270	2,160	5,254	5,569	6,338	6,017	6,028	6,420	6,860	6,466
Municipalities ...	80,285	70,980	83,503	73,450	91,005	81,432	97,712	88,251	92,946	87,908	70,063	65,614	71,710	67,405	81,506	77,180	81,442	76,212	91,167	100,850	95,868	106,364	100,613
Private vaccinators.	137	117	43	43	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dispensaries ...	9,860	8,193	10,154	8,371	12,570	10,185	17,501	52,834	18,793	16,750	13,654	13,730	11,506	19,263	15,603	26,870	23,363	33,686	33,162	42,501	25,104	33,553	30,299
Medical subordinates	9,946	5,742	10,640	7,013	9,638	6,571	5,936	5,280	4,504	6,720	3,677	3,033	1,630	2,517	1,517	3,077	1,752	4,755	2,727	3,501	2,774	4,832	5,274
Army. { Europeans ...	3,201	1,822	1,957	1,957	1,940	1,158	2,840	1,727	691	537	694	...	...	...	...	...	...	...	...	...	...	...	...
{ Native ...	4,372	3,098	4,414	3,674	4,121	3,212	4,415	3,655	2,784	2,288	1,967	1,967	...	...	...	...	...	...	...	...	...	...	...
Total ...	585,804	513,093	522,901	465,125	736,302	663,384	773,116	713,201	762,047	709,412	668,756	724,226	693,031	795,362	700,343	860,894	917,967	804,110	855,083	976,274	927,191	1,105,517	1,049,506