

OFFICE OF SANITARY COMMISSIONER,
MADRAS, 10th July 1907.

No. 1361.
V

From

LIEUT.-COLONEL H. THOMSON, M.B., C.M., D.P.H., I.M.S.,
Sanitary Commissioner for Madras,

To

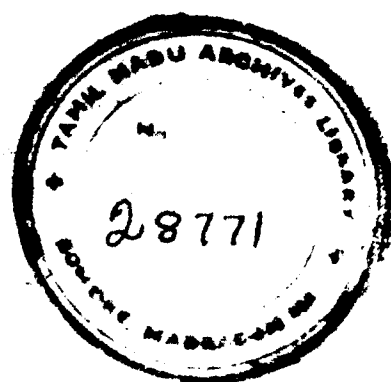
THE SECRETARY TO GOVERNMENT,
LOCAL AND MUNICIPAL DEPARTMENT.

SIR,

I have the honour to forward herewith the Reports of the Superintendent, the King Institute, Guindy, on the working of the Vaccine Section and of the Inspector of Vaccination and Deputy Sanitary Commissioner on Vaccination in the Presidency during 1906-1907.

2. From the former report it is satisfactory to note that the breakdown in cultivation with the resulting failure to supply vaccine which characterised the hot weather of the two previous years has not been experienced during the past year. This was the result not only of the greater experience gained but also of the untiring exertions of the Superintendent and the staff. The only failure in the supply of vaccine was due to the contractor being unable to supply a sufficient number of calves and a subsequent outbreak of foot-and-mouth disease. The admission of infected animals is unavoidable, as the Institute obtains its supply of calves from an extensive area whence they are brought with the disease in its incipient stages. But it is hoped that, with the improved arrangements now made for quarantine and segregation, it will be possible in future to greatly prevent the spread of the disease.

3. The Report on Vaccination is a brief or skeleton one and there are no special features in the year's work except that the trial scheme was introduced in four selected districts. Sufficient time has not elapsed, nor have I been able to obtain data enough to form an opinion on the working of the scheme. This will form the subject of a separate communication. The success rate in infantile vaccinations performed by all agencies and with all kinds of vaccine rose from 92.9 per cent. in 1905-1906 to 93.4 in 1906-1907. Taking, however, Local Fund areas, where purely lanoline vaccine from the Institute was in use, the improvement is still more noticeable, the percentage having risen from 92.3 last year to 94.0. This rise doubtless is slight, but it is an indication of what could be attained with increased care and skill on the part of vaccinators in the use of the lanoline vaccine, and, judging by the rates in individual districts, I am certain that very much better results should be obtained. I would invite special attention to paragraph 12 of the Inspector's Report generally, and in particular to his remarks regarding the apathy of local bodies in enforcing the penal provisions of the Act and the leniency of the



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year, has shown a very high percentage rate of success, namely, for 109,755 cases 98.2 per cent.; the Nilgiris and Bellary follow with 98.1 per cent. and 97 per cent., respectively.

7. As heretofore the main supply of vaccine has been in the form of lanoline paste, but glycerinated lymph has been supplied when asked for. No district has, however, been supplied regularly with vaccine in this form in the present year.

8. The dates of despatch have up to the present still been made fortnightly by the day of the week. This has given rise to so much misconception on the part of vaccinators and others who complain that vaccine is sent irregularly, that a supply to each district twice a month on fixed dates has, after consultation with the districts themselves, been decided upon and is shortly to be adopted.

9. As in the previous year, the results from vaccine from each calf have been carefully watched by means of returns from vaccinators and cases of unwarrantably bad results notified to the Board concerned. The number of cases of vaccinators so reported has however shown a great reduction.

10. In the working of the section many improvements have been made, the most important being the arrangements for the supply and sale of calves by fixed contracts, thus doing away with a constant source of danger to the regular and full output of vaccine. The reduction in labour owing to the prompt removal of "done" calves by contract at a reasonable rate has been considerable and this together with the appointment of four new calf watchmen has enabled the section to carry on its work much more satisfactorily than hitherto. The section has also derived much advantage from the sewage farm which has been worked by a staff of a maistry and three coolies entirely with the object of grazing and feeding the reserve calves.

Government has also sanctioned the carrying out of certain additional works to assist in the care of the calves.

Throughout the year the immediate control of the technical work of the section has been in the hands of Military Assistant Surgeon H. C. Jackson, whose efforts have had a large share in the satisfactory results noted.

S. R. CHRISTOPHERS, Capt., I.M.S.,
Superintendent, King Institute, Guindy.

OFFICE OF THE KING INSTITUTE
OF PREVENTIVE MEDICINE,
GUINDY, 4th May 1907.

STATEMENT A.

Statement showing the Expenditure incurred during the year 1906-1907 under all heads of Expenditure of the Vaccine Section of the King Institute of Preventive Medicine.

Heads of account.	Expenditure incurred.		
	RS.	A.	P.
Pay of Deputy Superintendent	2,991	15	0
Deputy Inspectors, clerks and servants	7,012	6	1
House-rent allowance	...	...	...
Travelling allowance	61	12	0
Purchase of apparatus	158	12	9
Cost of calves including transport	34,330	11	0
Feeding charges of calves	4,295	5	1
Water works	522	8	9
Gas works	64	0	2
Purchase of furniture	166	6	3
Repairs to water works	24	8	0
Petty repairs to buildings	149	7	4
Tour charges	62	11	0
Hot and cold weather charges	52	0	0
Repairs to gas works	49	0	0
Postage charges	1,467	15	9
Telegraph charges	20	2	0
Office expenses	294	7	6
Miscellaneous	2,182	3	7
Repairs to furniture	...	...	...
Total	53,906	4	3

STATEMENT B.

Statement showing the net Expenditure incurred during the year 1906-1907 in the King Institute of Preventive Medicine, Guindy, Vaccine Section.

Particulars.	Amount.			Total.		
	RS.	A.	P.	RS.	A.	P.
Gross expenditure as per statement A	...	...	...	53,906	4	3
(1) Credits under "sale of calves" and "miscellaneous receipts" remitted to the treasury— Total amount remitted into the treasury during 1906-1907	11,360	5	3	...	...	...
Deduct amount recovered during the year from private bodies on account of vaccine supplied in 1905-1906	1,134	15	2	...	...	...
	10,225	6	1	...	...	...
(2) Amount to be recovered from private bodies for the supply of vaccine sufficient for 27,725 cases at 10 pice per case	1,441	0	2	11,669	6	3
Net Rupees	...	...	...	42,236	14	0

STATEMENT C.

Statement showing the Expenditure incurred during the year 1906-1907 under all heads of the Vaccine Section of the King Institute of Preventive Medicine.

Officers and others for whom Vaccine was despatched.	Number of cases for which Vaccine was despatched.	Rate per case.	Total cost debitable.
			Rs. A. P.
Government officers including jails	17,867	1421624 pies.	411 7 5
Agency Vaccinators	38,233		881 13 10
Military Department	12,910		297 4 11
District Board Vaccinators	1,024,752		37,416 14 3
Municipal Vaccinators	140,228		3,229 5 7
Total	1,834,050	...	42,236 14 0

STATEMENT D.

Statement showing the Number of Successful and Unsuccessful Vaccinations in each month during 1906-1907 and the rate per cent. of Successful Cases to Total Vaccinations.

Serial number.	Months.	Total successful.	Total unsuccessful.	Rate per cent. of success to total vaccinated.
1906.				
1	April	173,934	14,454	92.3
2	May	102,834	20,482	83.4
3	June	99,372	10,950	90.1
4	July	100,008	5,113	95.1
5	August	82,104	3,131	96.3
6	September	60,430	3,541	95.1
7	October	86,505	4,728	94.8
8	November	82,838	4,570	94.8
9	December	79,857	4,501	95.7
1907.				
10	January	72,597	3,720	95.1
11	February	78,430	3,271	95.9
12	March	50,961	2,852	94.5
	Total	1,078,930	81,316	92.99

STATEMENT E.

Statement showing Number of Successful and Unsuccessful Vaccinations in each District during 1906-1907 and the rate per cent. of Successful Cases to total Vaccinated.

Serial number.	Districts.	Total successful.	Total unsuccessful.	Rate per cent. of success to total vaccinated.
1	Anantapur	27,055	892	96.5
2	Bellary	23,460	728	97.0
3	Chingleput	18,944	1,268	93.7
4	Coimbatore	58,808	7,910	88.1
5	Cuddapah	37,608	2,656	93.4
6	Ganjām	63,610	4,895	92.8
7	Gōdāvari	45,476	13,045	77.7
8	Guntūr	45,954	4,017	91.9
9	Kistna	61,939	8,346	88.1
10	Kurnool	27,527	1,737	94.1
11	Madura	66,185	2,926	95.7
12	Malabar	107,798	1,957	98.2
13	Nellore	33,543	2,984	92.1
14	Nilgiris	4,362	82	98.1
15	North Arcot	43,857	1,751	96.2
16	Salem	68,111	4,239	94.1
17	South Arcot	49,479	2,302	95.4
18	South Canara	40,324	1,591	96.2
19	Tanjore	59,155	2,355	96.1
20	Tinnevely	69,523	5,476	92.7
21	Trichinopoly	48,727	2,816	94.5
22	Vizagapatam	77,690	7,283	91.4
	Total	1,078,930	81,316	92.99

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REPORT ON VACCINATION IN THE MADRAS PRESIDENCY FOR THE YEAR 1906-1907.

From Captain Wm. A. JUSTICE, I.M.S., Inspector of Vaccination and Deputy Sanitary Commissioner for Madras, to the Sanitary Commissioner for Madras, dated 3rd July 1907, No. 1308-V.

I have the honour to submit the annual report on vaccination in the Madras Presidency for the official year 1906-1907.

2. The post of Inspector of Vaccination and Deputy Sanitary Commissioner was held for the first fifteen days of April by Captain J. W. Cornwall, I.M.S. Since the 15th of April 1906 the appointment has been held by me.

Under G.O., No. 804, Public, dated 12th November 1906, "in order to enable me to devote the whole of my time to my proper duties as Deputy Sanitary Commissioner and Inspector of Vaccination," I was relieved on the 8th February 1907 of my duties at the Medical College, on account of which the only time available for inspection work was during the vacation (April to 1st July) and the Christmas holidays. Inspections of vaccination were made in East and South ranges of the Coimbatore district; Gooty, Tadpatri of Anantapur district, Sérmádévi, Tinnevely of Tinnevely district and Vellore, Polur, Wandiwash of North Arcot district.

During the year under report the Trial Scheme sanctioned in the marginally-noted Government Orders, was introduced in the districts of Chingleput, North Arcot, South Arcot and Madura. I am not prepared to give a decided opinion on the working of the scheme as sufficient time has not elapsed. The following statement will show the results obtained so far as compared with the months of the year previous to the introduction of the scheme in the areas concerned. It will be my duty to inspect the districts in which the scheme is being carried out during the coming year:—

Trial Scheme.							Old System.					Remarks.
District.	Ranges.	Date of introduction.	Number of Deputy Inspectors of Vaccination.	Number of Vaccinators.	Number of Taluks.	Total vaccinated up to March 1907 under Trial Scheme.	Ranges.	Number of Deputy Inspectors of Vaccination.	Number of Vaccinators.	Number of Taluks.	Total vaccinated for the year up to March 1907 under old system.	
1	2	3	4	5	6	7	8	9	10	11	12	13
Chingleput.	Chingleput	Aug. 1906	1	4	2	9,853	Chingleput	1	14	3	17,380	* New ranges.
	Saidapet	15 Aug. 1906	1	4	2	10,134	Saidapet	1	13	3	15,969	
	Ponneri *	1 Aug. 1906	1	3	2	7,862						
	Madura	1 Oct. 1906	1	4	2	10,746	Madura	1	17	4	15,675	
Madura	Dindigul	1 Oct. 1906	1	1	2	8,808	Dindigul	1	15	2	12,837	† Excludes 1 Vaccinator under old system. ‡ Excludes Kodakamal taluk under old system.
	Periyakulam *	15 Oct. 1906	1	14	23	10,626						
South Arcot.	Cuddalore	Aug. 1906	1	5	2	15,720	Cuddalore	1	16	4	22,675	
North Arcot.	Vellore	1 Sept. 1906	1	3	3	9,087	Vellore	1	12	3	10,354	
	Ranipettai *	1 Sept. 1906	1	3	3	6,944						

3. The following statement shows the strength of establishment employed during the last two years with the pay of each post :—

Years.	Deputy Inspectors.			First-class Vaccinators, Rs. 20-15.	Second-class Vaccinators, Rs. 12-10.	Probationers, Rs. 7-5.	Total number of Vaccinators.
	First grade, Rs. 70.	Second grade, Rs. 60.	Third grade, Rs. 40.				
1905-1906	26	7	33	288	456	148	887
1906-1907	22	20	26	302	457	133	892

* Includes four Assistant Deputy Inspectors employed by the Madras Municipality.

4. (a) Under G.O., No. 886 L., dated 24th July 1906, the number of Deputies in each grade was revised in order to secure a fair flow of promotion from the lower to the higher grade. The revised staff now consists of twenty First-grade Deputy Inspectors, twenty Second and twenty-five Third grade.

(b) Under G.O., No. 1390 L., dated 8th November 1906, the services of a clerk to Deputy Inspectors were dispensed with.

(c) Under G.O., No. 461, dated 22nd May 1906, a revised form of register of children unprotected by vaccination was prescribed and certain instructions regarding its maintenance were issued. The forms are issued to the Village Heads in loose sheets. I found on my inspection in a few instances they were stitched together by a piece of thread. As these unprotected registers are meant to be a permanent record of both the protected and unprotected children in a village, they ought to be bound together in book form. This would give the register some importance in the sight of the Village Heads and more attention would be paid to its upkeep.

5. The following table shows the total vaccination work done by all agencies throughout the Presidency :—

	1905-1906.	1906-1907.
Primary and secondary vaccination	1,357,745	1,437,924
Re-vaccination	107,245	118,876
Total	1,464,990	1,556,800

The increase in the number of vaccinations performed during the year is due amongst other causes to the prevalence of small-pox throughout the Presidency. Deputy Inspectors in whose ranges small-pox prevailed were ordered to proceed at once to the infected villages and vaccinate all unprotected cases and to push re-vaccination as much as possible. This activity in infected areas to a large extent accounts for the large increase in the total numbers vaccinated as compared with last year.

6. The districts showing the largest increase are North Arcot (20,415), Gódi-vári (14,198), Coimbatore (9,994), Salem (8,887), South Canara (6,787), Kistna (6,761), Tinnevely (6,546), Guntúr (6,418), Malabar (6,417), Vizagapatam including Koraput (6,277), South Arcot (5,883), Cuddapah (4,235), Nellore (3,463) and Ganjam (2,971).

Only two districts show a decrease—Tanjore (5,337) and Chingleput (3,892).

The explanations of decrease offered by the Deputy Inspectors of these districts are given below :—

Tanjore.—Short supply of paste and absence of vaccinators without substitute.

Chingleput.—Want of unprotected cases and short supply of paste.

There was a shortage of paste supplied from the King Institute during the latter part of February and the first fortnight in March. This was due to the

failure of the contractor to comply with the terms of his contract for the supply of calves and to an outbreak of foot-and-mouth disease.

The absence of vaccinators without providing a substitute is not desirable and should be avoided in future. The attention of Presidents of District Boards should again be invited to G.O., No. 918 L., dated 2nd August 1904.

The want of unprotected cases is a reasonable excuse in view of the extraordinary decline in the number of births in Chingleput district. The average births for the previous five years 1901-1905 amounted to 42,000, the births for 1906 amounted to only 28,777—the low birth-rate may be due to the rise in the price of foodstuffs and to the threatened famine in 1905 when many able-bodied men and women emigrated from the district.

7. The subjoined table shows the total successful vaccinations by all agencies and the percentage of successful cases including re-vaccination :—

Establishment.	Number of successful vaccinations.				Total of successful vaccinations.	
	1905-1906.		1906-1907.		1905-1906.	1906-1907.
	Primary and secondary vaccinations.	Re-vaccination.	Primary and secondary vaccinations.	Re-vaccination.		
1	2	3	4	5	6	7
Local Fund vaccinators	1,081,374	25,548	1,176,323	38,223	1,110,922	1,214,546
Government do.	18,054	1,054	11,557	724	19,108	12,281
Zamindari do.	3,989	204	*	*	4,193	*
Municipal do.	110,989	32,442	102,615	25,801	143,481	127,916
Cantonment do.	4,892	1,417	4,542	1,524	6,309	6,066
Dispensaries do.	1,024	491	78	53	1,515	131
Medical subordinates	2,280	8,554	1,558	7,000	10,834	8,558
Total	1,222,602	73,710	1,296,673	72,825	1,296,312	1,369,408

Establishment—cont.	Ratio per cent. of successful cases.				Ratio per cent. of total successful cases.	
	1905-1906.		1906-1907.		1905-1906.	1906-1907.
	Primary and secondary vaccinations.	Re-vaccination.	Primary and secondary vaccinations.	Re-vaccination.		
8	9	10	11	12	13	
Local Fund vaccinators	82.3	79.8	93.2	77.4	81.9	92.6
Government do.	91.2	90.1	92.0	89.2	93.9	91.8
Zamindari do.	92.7	95.8	*	*	92.8	*
Municipal do.	96.5	73.9	96.3	70.9	88.8	89.4
Cantonment do.	97.9	92.1	97.4	53.0	88.6	80.8
Dispensaries do.	85.2	79.1	97.5	65.4	88.1	81.4
Medical subordinates	79.5	77.0	80.2	73.1	77.6	74.3
Total	82.9	78.0	93.4	74.2	81.8	92.1

* No Zamindari as Ganapur has been included in the Local Fund area.

Note. —The statistics given in this statement include those exhibited in statements I and III appended to this report.

8. The following districts show the largest percentage of increase in infantile vaccination when compared with the previous year : Nilgiris (29.4), Coimbatore (15.7), Ganjam (12.6), Madura (11.0), Tinnevely (10.8), Nellore (9.4), Trichinopoly (9.3), Salem (7.4), North Arcot (6.9) and Guntúr (6.5).

The Chingleput district showed the largest decrease (11.5).

9. As regards Municipalities 43 towns secured a ratio of 75 per cent. and upwards against 34 in the previous year. The towns showing the largest increase are Coonoor (55.8), Tiruvannamalai (43.1), Chingleput (30.2), Vellore (28.6), Nellore (27.0), Srirangam (24.8), Conjeeveram (19.0), Cocanada (17.3), Rajab-mundry (17.0), Cuddapah (16.7) and Madura (15.6).

10. The following table shows the cost of the various establishments and the cost of each successful case :—

Establishment.	Total expenditure.		Average cost of each successful case.	
	1905-1906.	1906-1907.	1905-1906.	1906-1907.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Government establishment ...	6,872 10 4	3,974 1 3	0 5 2	0 5 2
Local Fund do. ...	2,41,140 5 2	2,13,646 1 6	0 3 6	0 3 2
Municipal do. ...	34,562 2 4	33,957 6 0	0 3 10	0 4 3
Zamindari do. ...	967 1 0	.	0 3 4	.
Cantonment do. ...	2,389 2 0	2,671 10 2	0 6 6	0 7 0
Total	2,85,831 4 10	2,54,219 2 11	0 3 7	0 3 4

* No Zamindari as Ganapuri has been included in the Local Fund area.

† Exclusive of the pay and allowance of the Inspector of Vaccination and Deputy Sanitary Commissioner.

11. 153,269 operations were performed in the municipalities during the year against 167,581 in the preceding year. The following towns show the largest decrease :—Madras (15,744), Negapatam (1,537), Trichinopoly (1,049), Coimbatore (858), Ellore (675) and Cannanore (496). The large decrease in operations in Madras Town, Negapatam and Coimbatore is due to the fact that last year these towns suffered from an epidemic of small-pox and many people then sought protection in vaccination. In Trichinopoly the decrease is said to be due to failure of lymph supply and carelessness of one vaccinatrix, in Cannanore to the short work of the vaccinator owing to his ill-health, and in Ellore to stoppage of bazaar vaccination.

The municipalities showing the largest increase are Cocanada (3,472), Calicut (1,525), Rajahmundry (818), Coonoor (577), Vellore (558) and Kumbakonam (483).

The decrease in operations in dispensaries and in the number of cases performed by medical subordinates is due to instructions conveyed in G.O., No. 398 L., dated 7th April 1905, removing responsibility for vaccination from medical officers.

12. During the year compulsory vaccination has been introduced into 110 villages. There has been an increase in the number of infantile operations in the compulsory unions. Obstacles to the better working of the compulsory system still continue in many unions, as for instance, the incorrect maintenance of unprotected lists and defective registration of births and deaths. Where vaccination is compulsory registration of births and deaths should likewise be made compulsory. The tardy disposal and leniency exhibited by Magistrates in dealing with cases are further obstacles, and a little more attention to this with the imposition of a suitable penalty would advance matters considerably. To quote a few examples of the apathy with which this important matter is carried out let me instance :—

(1) Of the 52 persons who were prosecuted in the unions of Achanta, Palacole and Narasapur in the Ellore Range not a single conviction was made.

(2) No sanction was accorded for the prosecution of 90 defaulters in the Madura Range on the plea that the provision of section 112 (1) of the Local Board's Act has not been complied with.

(3) Out of 107 defaulters reported by the Vaccinator of Védrauniyam, Pattukkottai Range, Tanjore district, the Union Chairman sanctioned the prosecution of two only, and of these only one was convicted by the Magistrate.

(4) Chairmen of Unions decline to recommend defaulters for prosecution on the recommendation of vaccinators.

Such examples only render the work of those employed vexatious and convince defaulters that they can defy the law.

13. The percentage of success obtained by the use of different kinds of lymph in primary and secondary vaccinations (re-vaccination omitted) is compared in the following table :—

Number of cases excluding unknown.	Area.	Method.	Whence obtained.	Percentage of success.
1,963,153	Local Fund ...	Lanoline lymph ...	Supplied by the King Institute of Preventive Medicine.	94.0
11,708	Do. ...	Glycerinated lymph ...	Do. do.	6.3
92,618	Municipalities ...	Lanoline lymph ...	Do. do.	95.9
193	Do. ...	Do. ...	Supplied by the Bangalore Institute.	96.9

The lanoline paste from the King Institute of Preventive Medicine was used in all the Local Fund districts, except some cases which were performed with glycerine lymph in the Gódvári and Kistna districts, the results of which were practically a failure. Eliminating these operations the percentage of success obtained in the Local Fund area rose from 92.3 in the past year to 94.0 this year.

The Corporation of Madras no longer obtain their lymph supply from the King Institute of Preventive Medicine, the Commissioners having elected to use animal lymph—*vide* G.O., No. 2197 M., dated 13th December 1906.

14. 24,775 deaths occurred from small-pox against 20,539 last year.

15. The diagram attached hereto shows the proportion of population protected in the districts and municipalities.

16. The Deputy Inspectors of Vaccination of the following ranges have failed to verify 50 per cent. of the cases vaccinated in their ranges :—Paramagudi (49.0), Cuddalore (48.8), Ganjam Hill Tracts (47.7), South Coimbatore (47.3), North Coimbatore (45.8), Bellary (43.6), Palghat (43.5), Gódvári Agency (43.4), East Coimbatore (37.9) and Calicut (37.7). Their explanations for short verification may be accepted.

17. The total number of Deputy Inspectors on the list is 66 against 61 last year, 5 additional Deputy Inspectors having been appointed under the Trial Scheme. Of these 43 are Certificated Sanitary Inspectors. Three Deputies have retired and six were fined for carelessness.

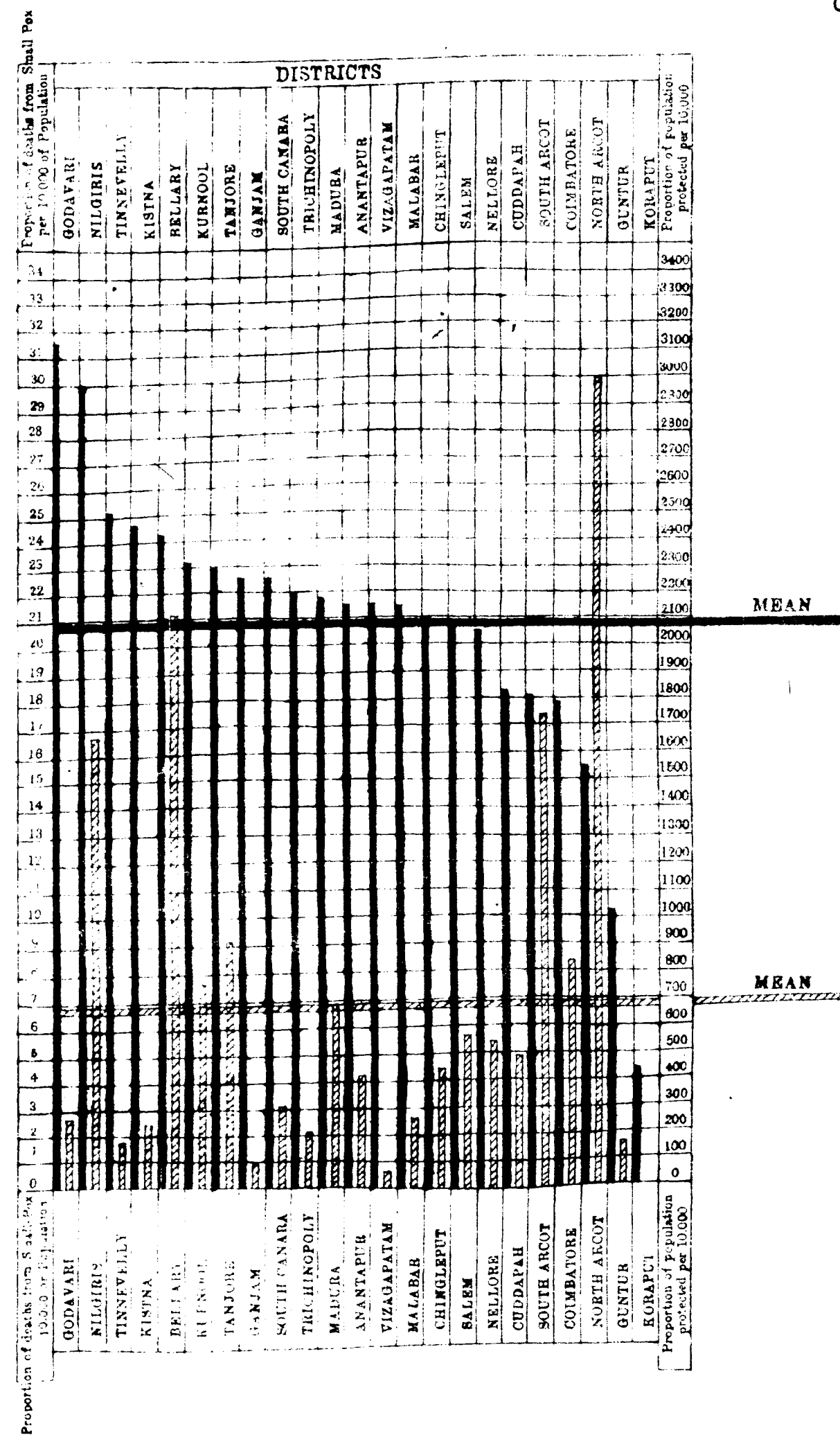
18. The service books of all Deputy Inspectors of Vaccination have been verified.

I have the honour to be,

Sir,

Your most obedient servant,

WM. A. JUSTICE, Captain, I.M.S.,
Inspector of Vaccination and Deputy Sanitary
Commissioner for Madras.



REFERENCE

— Thick black lines represent the proportion per 10,000 protected from Small-Pox
 Shaded lines represent the proportion of deaths from Small-Pox per 10,000 of population

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APPENDIX.

VACCINATION RETURNS.

A—VACCINE

STATEMENT No. I showing the Particulars of Vaccination in the

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1901.	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 and	
						Males.	Females.	Total.		Total.	Under 1 year.
1	2	3	4	5	6	7	8	9	10		
1	Anantapur.	Anantapur circle	454,372	141	10	10,346	9,365	19,701	1,970	18,925	8,597
2		Penukonda do.	325,944			7,032	6,469	13,501	1,929	13,315	5,515
		Total of district	780,316			17,378	15,834	33,202	1,953	32,240	14,102
3	Bellary.	Bellary circle	563,793	151	15	11,242	10,520	21,762	1,451	21,552	13,978
4		Harpanahalli circle	291,758			6,504	5,311	11,815	1,313	11,673	6,962
		Total of district	855,551			17,746	16,831	33,577	1,399	33,225	20,940
5	Chingleput.	Chingleput circle	1,255,407	408	4	5,040	8,956	13,996	4,469	14,988	7,401
6		Sakthipet do.	1,255,407			91,32	7,772	16,904	1,300	14,508	6,795
7		Ponnuri do.	1,255,407			4,007	3,845	7,852	2,617	7,455	1,572
		Total of district	1,255,407	408	20	23,179	20,573	42,752	2,138	36,052	15,768
8	Coimbatore.	North Coimbatore circle.	545,268	192	11	10,596	9,808	20,403	1,855	19,981	10,281
9		South do. do.	616,992			11,860	10,833	22,693	2,063	21,813	10,150
10		East do. do.	865,114			17,470	16,136	23,606	1,817	30,415	12,049
		Total of district	2,120,374	270	40	39,926	36,777	76,702	1,917	72,209	32,440
11	Cuddapah.	Cuddapah circle	1,274,835	146	12	7,524	6,408	13,932	1,161	13,791	2,796
12		Madanapalle do.	1,274,835			11,506	10,843	22,149	1,384	21,730	9,440
13		Siddhavattam do.	1,274,835			5,015	4,520	9,535	1,192	9,397	2,715
		Total of district	1,274,835	146	36	24,045	21,571	45,616	1,267	44,918	14,951
14	Ganjam.	Chattarpur circle	1,948,995	233	13	11,716	11,780	23,476	1,806	23,180	8,141
15		Chinnole do.	1,948,995			9,128	9,193	18,321	1,309	17,867	7,398
16		Gungam hill tracts	1,948,995			7,037	6,652	13,689	1,053	12,826	1,989
17		Russelkonda circle	1,948,995	233	12	10,256	9,376	19,632	1,635	19,113	4,441
		Total of district	1,948,995	233	53	38,137	36,981	75,118	1,441	72,958	21,960
18	Godavari.	Coacanada circle	1,361,457	274	16	21,353	20,176	41,829	2,614	40,866	5,583
19		Rajahmundry circle	1,361,457			9,639	9,312	18,912	1,891	17,826	3,287
20		Local Fund vaccinators in agency.	1,361,457			3,000	2,997	6,006	1,210	5,572	1,235
		Total of district	1,361,457	274	31	34,992	32,785	66,807	2,137	64,797	10,105
21	Kistna.	Ellore circle	1,046,586	213	18	20,152	19,155	39,607	2,200	39,001	8,600
22		Masulipatnam circle	1,046,586			22,541	21,607	44,448	1,932	43,365	10,971
		Total of district	1,046,586			42,693	41,362	84,055	2,050	82,356	19,580
23	Guntur.	Guntur circle	1,446,938	114	12	10,554	10,245	20,799	1,733	20,438	8,307
24		Narasaraopet circle	1,446,938			9,457	9,392	18,849	1,713	18,718	8,883
25		Bapatla do.	1,446,938			9,329	9,478	18,867	1,887	18,794	6,110
		Total of district	1,446,938	114	33	29,340	29,115	58,515	1,773	57,580	21,300
26	Kurnool.	Cumbum circle	863,806	114	12	7,570	5,908	13,473	1,123	12,541	4,363
27		Kurnool do.	863,806			9,637	8,160	17,797	1,483	17,394	8,500
		Total of district	863,806			17,207	14,063	31,270	1,303	29,925	12,869

* Number of cases vaccinated from 1st August 1906 to 31st March 1907.

DEPARTMENT.

Madras Presidency during the official year 1906-1907.

Secondary vaccinations.		Re-vaccination.				Percentage of successful cases excluding unknown.		Persons successfully vaccinated per 1,000 of population.	Percentage of unknown cases to total cases.		Average annual number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.	
Successful.		Unknown.	Total.	Successful.	Unknown.	Primary and secondary vaccinations.	Re-vaccination.		Primary and secondary vaccinations.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
1 and under 6 years.	Total of all ages.	13	14	15	16	17	18	19	20	21	22	23	24	25
8,229	18,174	185	776	724	18	97.0	95.5	41.5	1.0	2.3	...	...	...	...
6,788	13,497	65	186	152	19	95.7	91.0	39.4	0.4	10.2	...	...	...	...
25,941	30,861	360	962	876	37	96.5	94.7	40.6	0.8	3.8	23,069	29.6	253	0.3
5,935	20,625	245	210	164	18	96.7	85.4	36.7	1.1	8.5	...	...	...	...
3,898	11,594	14	142	136	1	99.4	96.4	40.2	0.1	0.7	...	...	...	...
9,633	32,219	259	352	300	19	97.7	90.0	37.9	0.7	5.3	29,179	38.9	1,043	1.3
3,907	12,404	1,888	3,008	2,232	443	95.1	87.0	27.1	12.5	14.7	...	...	...	...
4,424	11,712	1,114	2,396	1,746	290	87.4	82.9	27.1	7.6	12.1	...	...	...	...
3,820	5,731	594	396	166	127	83.5	61.7	27.1	7.9	32.0	...	...	...	...
12,161	29,907	3,591	5,800	4,144	880	89.6	83.9	27.1	9.7	14.8	38,083	33.3	551	0.4
5,158	15,849	1,820	422	196	99	87.3	60.6	27.3	9.1	23.4	...	...	...	...
8,198	18,700	1,183	880	425	182	90.6	60.9	29.5	5.4	20.6	...	...	...	...
10,983	24,448	2,197	3,191	1,351	673	86.6	63.6	29.1	7.2	21.0	...	...	...	...
24,219	58,997	5,209	4,493	1,972	954	88.0	55.7	28.7	7.2	21.2	56,254	26.5	1,164	0.5
7,723	12,545	209	141	98	8	92.3	73.6	33.1	1.4	5.6	...	...	...	...
9,145	20,586	92	419	328	23	95.1	82.8	33.1	0.4	5.4	...	...	...	...
4,814	8,545	182	138	94	16	92.7	77.0	33.1	1.9	11.6	...	...	...	...
21,682	41,676	483	698	520	47	93.7	79.8	33.1	1.0	6.7	32,600	25.5	705	0.5
11,604	21,184	753	346	301	20	94.6	92.3	34.8	3.2	5.7	...	...	...	...
7,911	16,122	582	451	267	56	93.2	72.5	34.8	3.2	18.9	...	...	...	...
7,020	11,451	384	863	724	51	92.0	89.1	34.8	2.9	5.9	...	...	...	...
11,409	17,309	748	519	468	29	94.5	95.5	34.8	3.9	5.5	...	...	...	...
37,974	66,126	2,467	2,182	1,760	186	93.8	88.1	34.8	3.3	8.5	63,216	32.4	845	0.2
10,651	30,285	2,367	930	323	173	78.6	42.6	35.8	5.7	18.6	...	...	...	...
8,975	18,166	1,034	1,106	474	249	78.3	55.3	35.8	5.8	22.5	...	...	...	...
2,882	4,452	618	124	65	45	81.6	82.2	35.8	8.6	36.2	...	...	...	...
31,458	47,903	3,919	2,160	862	467	78.8	50.9	35.8	6.0	21.6	60,038	44.0	1,779	1.3
19,345	31,017	1,921	566	192	93	83.5	39.7	43.2	4.9	14.6	...	...	...	...
22,369	39,052	909	1,139	961	53	92.1	88.7	43.2	2.0	4.6	...	...	...	...
41,714	70,069	2,830	1,705	1,156	139	88.1	73.6	43.2	3.4	7.9	54,414	33.0	750	0.4
9,422	18,954	755	361	336	21	96.3	98.8	36.1	3.6	5.8	...	...	...	...
7,795	16,008	231	101	63	2	86.4	63.6	36.1	1.2	1.9	...	...	...	...
9,516	18,823	852	73	57	4	93.7	82.6	36.1	4.5	5.4	...	...	...	...
26,732	51,785	1,838	535	456	27	92.2	89.7	36.1	3.1	5.0	19,036	13.1	246	0.2
5,805	11,781	154	932	844	38	95.1	94.4	36.0	1.2	4.0	...	...	...	...
6,795	16,182	293	413	344	11	94.6	85.5	36.0	1.6	2.6	...	...	...	...
12,600	27,963	447	1,345	1,198	49	94.8	81.6	36.0	1.4	3.6	28,288	32.7	418	0.5

A—VACCINE

STATEMENT No. I showing the Particulars of Vaccination in the

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1901.	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 and		
						Males.	Females.		Total.	Total.	Under 1 year.
1	2	3	4	5	6	7	8	9	10	11	
28	Madura.	Dindigul circle	2,663,074	307	16	Males. 11,020	Females. 10,710	Total. 21,730	1,358	21,042	9,027
29		Madura do.			11	13,320	12,900	26,220	2,402	26,266	8,358
30		Paramagudi do.			15	12,721	11,857	24,578	1,638	23,079	6,115
31		Tirupputhur do.			15	5,753	5,275	11,027	735	10,792	2,781
32		Periyakulam do.			12	11,137	10,267	21,404	1,781	20,847	5,983
		Total of district	2,663,074	307	69	54,150	51,000	105,150	1,524	102,925	32,264
33	Malabar.	Tellicherry circle	1,054,536	451	14	15,005	13,538	28,543	2,039	27,491	1,795
34		Calicut do.			19	21,983	19,827	41,810	2,362	43,796	2,352
35		Palghat do.			13	22,072	19,473	41,545	3,196	40,926	2,178
		Total of district	2,594,155	451	46	62,060	52,838	114,898	2,499	112,212	6,325
36	Nellore.	Central circle (Kavali).	1,240,775	166	8	8,707	8,291	16,998	2,125	16,800	4,471
37		Southern do. (Gudur).			9	7,881	7,034	14,915	1,657	13,654	4,080
38		Northern do. (Kanigiri).			9	6,775	6,516	13,291	1,477	13,227	4,179
		Total of district	1,240,775	166	26	23,363	21,841	45,204	1,739	43,741	12,739
39	Nilgiri.	Nilgiri circle	84,316	90	4	1,982	1,819	3,801	950	3,455	1,109
		Total of district	84,316	90	4	1,982	1,819	3,801	950	3,455	1,109
40	North Arcot.	Chittoor circle	2,117,288	288	10	9,898	9,147	19,045	1,914	18,399	6,801
41		Vellore do.			3	5,097	4,900	9,997	3,320	9,908	2,901
42		Karvetnagar do.			10	7,439	6,867	14,306	1,450	13,777	6,078
43		Ranipet do.			3	4,648	4,298	8,946	2,981	8,890	2,123
44		Arni do.			12	7,637	6,516	14,068	1,171	12,702	3,854
		Total of district	2,117,288	288	36	34,907	31,718	66,625	1,753	64,470	21,761
45	Salem.	Northern circle (Krishnagiri).	2,103,659	290	12	9,884	9,036	18,920	1,626	18,066	10,356
46		Salem circle			17	16,586	14,845	31,431	1,849	26,461	8,748
47		Namakkal do.			17	15,016	14,058	29,074	1,710	27,504	10,120
		Total of district	2,103,659	290	46	41,486	38,529	80,015	1,739	72,061	29,224
48	South Arcot.	Cuddalore circle	2,260,700	435	9	14,278	13,331	27,609	3,068	27,199	7,456
49		Vridhachalam circle			8	8,505	8,134	16,639	2,080	16,198	6,185
50		Tirukoilur circle			12	7,999	8,867	16,866	1,489	17,557	5,397
51		Tindivanam circle			9	5,483	5,290	10,773	1,197	10,655	4,081
		Total of district	2,260,700	435	38	37,265	35,622	72,887	1,918	71,909	23,078
52	South Canara.	Northern circle	673,875	271	14	13,005	12,464	25,469	1,819	24,908	5,024
53		Kasaragod do.			13	9,375	9,029	18,404	1,418	17,666	4,368
		Total of district	1,086,997	271	27	22,380	21,493	43,873	1,625	42,574	9,392
54	Tanjore.	Tanjore circle	2,025,571	550	15	13,090	12,550	25,640	1,709	24,431	7,815
55		Negapatam do.			12	11,940	12,823	24,772	2,064	20,749	6,029
56		Pattukkottai do.			9	9,716	9,589	19,307	2,145	19,154	5,674
		Total of district	2,025,571	550	36	34,757	34,962	69,719	1,897	63,334	19,518
57	Tinnevely.	Srivillipattūr circle	599,087	320	9	12,208	11,787	23,995	2,666	23,535	12,634
58		Sérmádévi do.			9	12,086	11,844	23,930	2,659	23,548	11,597
59		Tinnevely do.			13	13,970	13,991	27,961	2,330	27,791	14,667
		Total of district	1,925,153	358	30	38,264	37,622	75,886	2,529	74,874	38,888

DEPARTMENT.

Madras Presidency during the official year 1906-1907—continued.

Secondary vaccinations.			Re-vaccination.			Percentage of successful cases excluding unknown.		Persons successfully vaccinated per 1,000 of population.	Percentage of unknown cases to total cases.		Average annual number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.			
Successful.	1 and under 6 years.	Total of all ages.	Unknown.	Total.	Successful.	Unknown.	Primary and secondary vaccinations.		Re-vaccination.	Primary and secondary vaccinations.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.	
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
8,300 13,108 14,013 8,454 10,996	18,364 23,040 23,103 10,542 18,662	1,104 1,066 296 156 1,023	688 165 599 235 557	412 106 454 165 212	88 10 45 38 67	916 970 975 901 941	686 781 819 837 636	360	5.2 6.1 1.2 1.4 4.9	12.8 6.4 7.5 16.1 12.0	...	...	...	...		
52,632	94,513	4,187	2,234	1,449	248	957	729		360	4.0	11.1	82,004	31.1	1,067	0.4	
16,524 19,484 21,458	26,891 42,376 40,024	196 635 346	1,052 1,075 619	352 503 243	24 60 7	985 981 986	342 495 397		409 406 460	0.7 1.4 0.8	2.2 5.5 1.1	...	...	...	...	
57,466	100,291	1,179	2,746	1,088	91	984	413		426	1.0	3.3	77,004	29.9	1,809	0.6	
9,175 6,249 6,181	15,047 12,210 11,324	608 541 489	188 1,261 84	113 833 27	13 189 20	925 931 986	804 777 613		31.8	3.5 3.9 3.3	9.4 14.9 31.2	...	...	...	...	
21,005	88,591	1,586	1,468	973	222	915	784	31.8	3.6	15.1	36,165	29.1	993	0.8		
1,328	3,405	2	346	267	...	986	771	43.5	0.05	...	...	...	...	...		
1,328	3,405	2	346	267	...	986	771	43.5	0.05	...	3,585	42.5	68	0.8		
9,528 5,365 6,082 5,253 7,917	17,070 9,072 13,266 8,199 12,768	197 399 151 293 365	716 79 719 254 351	520 11 562 154 189	64 36 75 30 71	970 853 973 975 957	762 255 872 687 675	29.4	1.0 3.9 1.0 3.2 2.6	8.5 45.5 10.4 11.8 20.2	...	...	...	...		
31,145	60,975	1,386	2,149	1,130	276	966	766		29.4	2.1	12.8	44,464	21.0	2,802	1.3	
5,865 12,659 12,663	17,109 24,037 24,740	173 899 955	1,124 4,970 1,570	1,044 3,638 1,652	111 420 288	955 940 961	795 865 820		34.2	0.9 3.4 3.4	7.7 8.4 18.3	...	...	...	...	
31,187	65,886	2,027	7,984	6,034	819	940	844			31.2	2.8	10.2	58,669	27.8	1,274	0.6
9,995 8,183 9,397 5,608	19,149 15,092 16,215 10,216	6,570 900 430 189	410 141 309 118	257 101 146 87	106 17 75 16	928 949 946 970	845 814 624 852			22.2	24.1 3.6 2.4 1.7	25.8 12.0 24.9 13.5	...	...	...	...
33,159	69,671	7,789	978	591	214	946	773	22.2	10.8	21.8	59,036	26.1	2,096	0.9		
14,639 7,897	23,942 16,155	338 457	561 796	345 518	18 36	974 988	685 737	38.1 40.4	1.3 2.5	7.6 4.8	...	...	...	...		
22,536	40,667	795	1,259	873	79	959	715	37.7	1.8	6.0	33,530	30.8	468	0.4		
12,593 11,105 8,920	22,721 19,848 17,157	601 228 359	2,009 6,023 1,153	993 3,176 974	104 183 74	953 967 964	901 906 902	32.1	2.4 1.0 1.9	8.6 4.5 6.4	...	...	...	...		
32,618	59,726	1,188	6,385	5,446	361	961	904		32.1	1.8	5.6	66,595	32.8	1,298	0.6	
7,842 8,666 10,218	21,458 21,415 25,866	375 553 312	169 382 170	373 328 130	12 23 13	926 931 941	832 913 828		36.4 38.8 33.9	1.5 2.3 1.1	2.6 6.0 7.6	...	...	...	...	
26,026	68,739	1,240	1,012	831	48	933	802	36.1	1.6	4.7	69,148	35.9	644	0.3		

A—VACCINE

STATEMENT No. I showing the Particulars of Vaccination in the

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1901.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.			Primary and	
						Average number of persons vaccinated by each vaccinator.			Total.	Under 1 year.
1	2	3	4	5	6	7			8	9
55	Tiruchinopoly.	Tiruchinopoly circle	812,045	371	13	Males	Females	Total	2,410	31,019
56		Ariyalur do.	504,385	354	10	16,014	15,315	31,329	2,030	19,541
		Total of district	1,317,010	361	23	26,158	25,476	51,634	2,245	50,560
57	Vizagapatam.	Guntur circle *	...	...	9	4,098	4,475	8,573	1,052	8,844
58		Vizagapatam circle	...	...	16	13,626	12,374	26,000	1,687	25,704
59		Government vaccinators (Gudem hills)	...	...	1	66	56	122	122	7
60		Vizianagaram circle	...	...	23	20,058	21,094	41,752	1,816	37,325
		Total of district	2,374,340	165	49	28,748	39,003	78,351	1,569	71,995
61	Koraput.	Jeypore circle ...	4,55,078	...	16	11,066	10,865	22,531	1,408	21,214
		Total of district	4,55,078	...	16	11,066	10,865	22,531	1,408	21,214
		Total of circles and districts	35,805,691	253	766	799,078	698,330	1,378,317	1,799	13,22,762
1	Military Cantonments.	Bangalore ...	89,509	6,029	2	855	396	1,241	620	471
2		Secunderabad ...	91,114	4,795	4	4,034	2,305	6,339	1,599	4,210
		Total of cantonments	180,713	5,600	6	4,888	2,751	7,639	1,439	4,667
		† Medical Subordinates.	...	...	...	11,774	363	12,127	2,131	11
1	Municipalities.	Adoni ...	30,416	15,208	1	750	600	1,350	1,350	698
2		Anantapur ...	7,938	7,938	1	194	157	351	351	297
3		Anakapalle ...	18,639	1,546	1	470	332	802	802	521
4		Bellary ...	58,247	2,240	4	2,117	1,214	3,361	810	2,368
5		Berhanpur ...	25,729	6,432	1	666	605	1,271	1,271	789
6		Bezwada ...	24,224	4,606	1	775	505	1,280	1,280	775
7		Bimlipatam ...	10,212	2,446	1	260	226	486	486	322
8		Calicut ...	76,981	5,921	4	5,553	3,864	9,817	2,451	7,097
9		Cannanore ...	27,811	4,795	2	1,956	1,130	3,086	1,333	2,563
10		Chicacole ...	18,196	6,065	1	477	562	1,039	1,039	373
11		Chidambaram ...	10,909	9,954	1	415	375	820	820	758
12		Chingleput ...	10,551	8,443	1	583	396	929	929	455
13		Cochin ...	19,274	22,027	1	913	358	1,271	1,271	843
14		Cocanada ...	18,766	6,012	2	7,398	1,331	8,729	4,364	2,292
15		Coimbatore ...	51,080	17,693	2	1,183	839	2,022	1,011	1,577
16		Conjeevaram ...	46,164	11,535	2	901	885	1,786	893	1,659
17		Coonoor ...	5,525	947	3	654	494	1,148	393	817
18		Cuddalore ...	52,216	3,926	2	1,873	1,898	3,266	1,633	2,664
19		Cuddapah ...	16,132	842	1	585	387	972	972	708
20		Dindigul ...	23,182	8,394	1	636	404	1,130	1,130	811
21		Elore ...	31,521	11,174	2	1,456	1,144	2,600	1,300	2,272
22		Erode ...	15,529	15,529	1	417	359	776	776	710
23		Gudiyattam ...	21,335	2,665	1	831	385	866	866	728
24		Guntur ...	20,833	1,719	1	899	576	1,475	1,475	1,120
25		Karur ...	12,769	12,769	1	413	246	659	659	469

* Guntur has been included in the Local Fund area.

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

DEPARTMENT.

Madras Presidency during the official year 1906-1907—continued.

Secondary vaccinations.		Re-vaccination.		Percentage of successful cases excluding unknown.		Persons successfully vaccinated per 1,000 of population.		Percentage of unknown cases to total cases.		Average annual number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.	
Successful.	Unknown.	Successful.	Unknown.	Primary and secondary vaccinations.	Re-vaccination.	Primary and secondary vaccinations.	Re-vaccination.	Primary and secondary vaccinations.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
11	12	13	14	15	16	17	18	19	20	21	22	23	24
16,175	28,100	1,250	317	183	52	94.1	89.0	34.8	4.0	16.4	...	...	...
9,341	16,969	1,460	757	516	169	93.8	87.7	34.6	7.4	22.8	...	...	...
25,416	45,069	2,710	1,074	699	221	94.2	81.9	34.7	5.3	20.5	40,988	31.1	112
5,350	8,265	315	629	544	60	96.9	95.6	...	3.5	9.5	...	...	...
14,576	22,159	1,205	1,300	811	154	90.7	70.7	...	5.0	11.8	...	...	...
82	106	5	...	...	...	90.6	...	...	4.0	...	...	...	...
17,596	34,142	470	4,427	3,969	21	92.0	88.7	...	1.2	0.4	...	...	...
37,664	64,672	2,085	6,356	5,264	235	92.5	86.0	29.4	2.8	3.6	76,592	27.0	96
11,087	18,739	424	1,317	752	56	90.1	59.6	42.8	1.9	4.2	...	...	...
11,087	18,739	424	1,317	752	56	90.1	59.6	42.8	1.9	4.2	...	...	...
621,701	11,87,880	47,901	55,555	38,647	5,652	93.2	78.0	34.2	3.6	10.1	1,053,626	29.4	19,801
111	151	...	770	616	...	95.8	89.8	12.2	...	...	1,020	11.3	89
569	4,091	25	2,182	878	198	87.6	42.3	54.8	0.6	4.9	4,907	53.8	3
1,080	4,542	25	2,952	1,524	168	87.4	63.6	33.5	0.5	3.6	5,927	32.8	92
21	1,558	178	10,000	7,000	131	80.2	73.1	...	8.3	1.3	...	...	...
161	1,105	103	93	82	7	95.0	95.3	39.0	8.1	7.5	1,097	36.6	33
36	327	...	16	4	...	97.8	25.0	41.7	...	...	278	35.0	1
94	623	2	119	82	11	91.4	75.9	38.0	0.2	9.2	779	42.0	1
402	1,884	23	193	245	11	80.3	23.9	36.4	0.9	1.1	2,054	35.2	60
105	874	19	313	289	18	92.2	97.9	45.2	1.0	5.7	1,059	41.1	1
211	1,059	8	202	154	5	98.9	78.1	50.1	0.7	2.5	1,217	50.2	8
69	395	3	78	41	...	97.5	52.5	42.7	0.7	...	428	41.9	1
1,016	6,948	21	2,720	2,521	21	98.1	93.4	123.0	0.3	0.7	7,062	108.4	171
1,059	2,306	53	683	586	133	96.5	78.1	106.1	2.1	15.1	2,688	96.6	82
106	506	...	503	477	1	94.4	95.0	54.0	...	0.2	806	47.5	1
154	722	9	62	44	11	90.3	86.2	38.5	1.2	17.7	602	30.2	2
43	118	2	374	219	34	92.2	64.4	60.3	0.4	9.2	703	63.5	1
95	823	14	128	215	59	89.2	58.2	53.8	1.7	13.8	1,182	61.3	119
408	1,765	119	6,527	1,397	4,574	81.7	71.5	65.7	5.4	70.0	3,492	72.6	12
234	1,310	23	115	258	29	84.2	62.0	29.5	1.5	6.5	1,781	33.5	39
128	1,595	16	127	121	2	97.0	96.8	37.2	0.9	1.6	1,658	35.8	25
352	760	...	331	222	7	93.0	68.5	115.2	...	2.1	561	56.8	...
464	2,197	159	662	364	132	96.6	77.4	49.0	17.2	21.9	2,581	49.1	2
200	726	3	204	36	153	94.9	70.5	40.4	0.4	75.0	521	31.7	5
92	508	...	186	113	47	96.1	81.2	40.5	...	25.3	1,347	53.4	12
911	2,140	24	328	174	53	95.5	68.2	69.3	1.0	10.1	3,495	104.2	16
196	671	1	65	44	2	95.0	68.7	46.2	0.1	3.0	492	31.6	15
104	691	18	138	114	7	97.3	87.0	37.7	2.5	5.1	747	35.0	13
144	1,068	33	355	251	37	98.2	79.8	42.8	2.9	10.4	1,248	40.4	6
76	452	...	140	125	23	96.3	74.8	15.2	...	12.1	492	38.5	3

A—VACCINE

STATEMENT No. I showing the Particulars of Vaccination in the

Number.	Districts.	Circles.	Population of districts or circles at the census of 1901.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.			Primary and	
						Males.	Females.	Total.	Total.	Under 1 year.
26	Kodak	...	1,012	161	...	72	102	174	82	71
27	Kumbakonam	...	20,073	3,915	3	1,354	1,092	2,446	2,147	1,273
28	Kannur	...	25,376	3,147	1	802	520	1,322	1,382	977
29	Madras	...	500,341	18,864	27	24,447	13,235	37,682	18,818	14,864
30	Madurai	...	105,584	17,064	1	3,623	3,372	6,995	1,749	6,246
31	Mannargudi	...	20,443	3,408	1	505	857	1,362	708	513
32	Mangalore	...	44,108	1,441	3	1,377	1,178	2,555	1,237	1,318
33	Masulipatnam	...	36,507	1,796	1	832	671	1,503	1,548	1,074
34	Mayavaram	...	21,276	8,002	1	580	372	952	353	599
35	Nandyal	...	15,197	3,027	1	507	376	883	873	728
36	Nagapattinam	...	37,190	8,708	3	2,033	1,592	3,625	3,524	2,158
37	Nellore	...	32,040	1,986	1	797	507	1,304	1,065	765
38	Onore	...	12,864	3,256	1	413	193	606	377	360
39	Ootacamund	...	18,596	1,680	2	1,093	485	1,578	700	741
40	Palamcottah	...	39,545	9,886	2	948	588	1,536	738	1,277
41	Palghat	...	44,177	3,681	2	1,056	988	2,044	1,022	1,021
42	Parlakimedi	...	17,336	52,008	1	614	361	975	857	506
43	Periyakulam	...	17,960	26,927	1	508	352	860	714	652
44	Palni	...	17,168	2,810	2	671	295	966	483	552
45	Rajahmundry	...	36,408	3,034	2	1,393	1,318	2,711	1,627	1,320
46	Salem	...	70,021	6,000	2	1,619	1,306	2,925	1,403	2,522
47	Srirangam	...	23,039	3,291	1	653	638	1,291	1,215	815
48	Srivilliputtur	...	26,382	21,105	1	638	544	1,182	1,094	1,085
49	Tanjore	...	57,870	7,716	2	1,155	908	2,063	1,031	1,031
50	Tellicherry	...	27,863	11,153	2	827	644	1,471	723	1,050
51	Tinnevely	...	40,409	5,075	5	1,088	663	1,751	1,374	1,209
52	Trichinopoly	...	104,721	8,727	5	4,323	3,450	7,773	4,564	3,809
53	Tirupattur	...	18,682	2,475	1	439	208	647	737	483
54	Tirunelveli	...	15,485	4,396	1	868	249	1,117	617	440
55	Tiruvannamalai	...	17,039	1,552	1	358	344	702	702	521
56	Tuticorin	...	28,048	5,349	1	892	593	1,485	1,325	873
57	Vaniyambadi	...	12,065	4,892	1	153	167	320	320	596
58	Vellore	...	43,537	6,066	2	1,220	863	2,083	1,041	1,042
59	Vizagapatnam	...	40,392	7,789	1	1,002	628	1,630	1,030	912
60	Vizianagaram	...	34,580	8,646	1	1,037	851	1,888	1,538	1,039
61	Watalapet	...	16,067	10,067	1	318	167	485	485	280
Total of Madras Presidency						2,121,127	1,175,422	3,296,549	1,256,108	1,040,441
Grand Total						2,121,127	1,175,422	3,296,549	1,256,108	1,040,441

Note.—This statement does not include the statistics of dispensary vaccinators.
 N.B. In calculating the percentage of success shown in this statement, only
 * Vaccination was performed by the medical officer in charge.
 † Excludes the population of the cantonments of Bangalore and Secunderabad.
 ‡ In finding the average number of persons vaccinated, the total work of medical

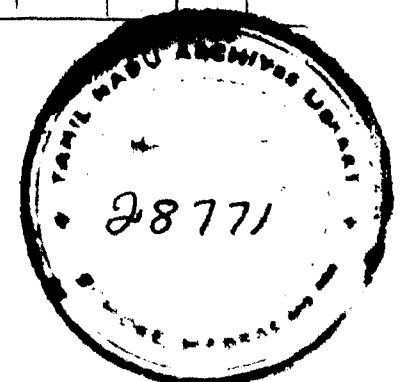
DEPARTMENT.

Madras Presidency during the official year 1906-1907—continued.

secondary vaccinations.			Re-vaccination.			Percentage of successful cases excluding unknown.		Persons successfully vaccinated per 1,000 of population.	Percentage of unknown cases to total cases.		Average annual number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.	
Successful.	Total of all ages.	Unknown.	Total.	Successful.	Unknown.	Primary and secondary vaccinations.	Re-vaccination.		Primary and secondary vaccinations.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
7	81	...	92	49	4	98.8	55.6	67.9	...	4.3	126	65.8	1	0.5
795	2,066	...	299	233	...	97.1	77.9	38.8	...	...	1870	31.3	1	0.01
819	909	...	405	216	89	98.0	68.3	44.3	...	21.9	1,012	39.8	5	0.2
3,048	17,898	492	18,864	10,231	2,879	97.6	64.0	55.2	2.6	15.3	31,671	62.5	142	0.3
910	6,509	2	367	348	3	98.2	95.6	64.7	0.08	0.8	5,809	54.8	218	2.0
153	730	6	94	64	11	95.8	68.8	38.8	0.7	11.7	766	36.9	3	0.1
932	2,260	...	182	168	1	99.4	91.7	55.0	...	0.5	2,469	55.7	27	0.6
180	1,280	...	204	171	...	98.5	83.8	36.7	...	...	1,210	30.6	2	0.06
91	787	10	139	139	...	98.0	100.0	38.1	1.2	...	904	37.2	6	0.2
78	723	...	150	139	1	100.0	93.2	56.9	...	0.6	766	60.6	2	0.1
1,154	3,375	31	1,001	644	113	98.6	72.5	70.3	0.8	11.2	4,112	72.2	45	0.8
198	1,007	13	179	52	76	96.6	50.4	33.5	1.2	42.4	1,029	32.1	7	0.2
85	354	2	229	194	13	94.4	89.8	42.6	0.5	5.6	522	40.5	2	0.1
57	810	1	766	683	7	99.5	89.9	80.2	0.1	0.9	1,123	60.3	1	0.05
165	1,196	13	239	212	19	94.6	88.3	35.6	1.0	7.3	1,770	44.7	38	0.9
369	1,808	...	215	197	...	98.8	91.6	45.4	...	...	2,122	48.0	24	0.5
233	821	...	138	105	...	95.8	78.0	53.4	...	...	952	54.9	...	...
51	708	2	146	103	39	98.7	96.2	44.8	0.3	26.7	831	46.3	1	0.05
65	519	7	414	282	76	95.2	83.4	46.6	1.3	18.3	737	42.9	1	0.05
960	2,379	9	745	512	50	95.1	73.6	79.4	0.4	6.7	2,211	60.6	12	0.3
195	2,424	...	402	155	15	99.0	40.0	36.5	...	3.6	2,505	35.4	14	0.2
288	1,170	21	76	64	10	98.6	96.9	63.5	1.7	13.1	1,195	51.6	7	0.3
66	1,070	...	88	73	1	97.8	83.9	43.3	...	1.1	1,135	43.0	2	0.07
268	1,895	...	127	102	...	97.9	80.3	34.5	...	...	1,885	32.3	47	0.8
126	1,038	10	412	213	68	98.9	61.9	44.8	0.9	16.5	1,161	41.6	8	0.2
181	1,416	10	177	127	23	99.7	82.4	38.1	0.7	12.9	1,498	37.0	19	0.5
3,585	6,765	60	784	593	103	97.8	87.0	70.2	0.8	13.1	8,002	76.4	112	1.0
56	821	...	96	93	...	96.8	96.8	38.2	...	...	675	30.2	13	0.7
53	453	1	137	106	8	94.8	82.1	35.9	0.2	5.8	508	32.4	5	0.3
138	666	13	11	10	...	98.2	90.9	39.6	1.9	...	668	39.1	1	0.05
222	1,277	2	99	81	...	96.4	81.8	48.4	0.2	...	1,265	45.1	7	0.2
154	793	...	17	7	...	87.8	41.1	66.6	...	...	765	63.7	10	0.8
613	1,538	12	465	30	243	95.8	36.0	37.2	0.7	50.2	1,462	33.6	59	1.3
811	1,259	1	322	126	80	96.3	52.0	33.8	0.07	24.8	1,457	35.6	...	...
165	1,249	5	560	513	...	94.4	91.6	50.9	0.4	...	1,708	49.5	...	...
44	401	5	64	47	4	96.4	78.3	44.5	1.2	6.2	494	42.1	1	0.09
23,107	102,615	1,672	45,008	25,301	9,313	96.2	70.9	52.8	1.5	20.6	127,717	52.7	1,481	0.6
645,915	1,396,595	49,776	113,521	72,772	15,509	93.4	74.2	22.6	3.4	13.6	1,187,270	30.9	21,374	0.6

which are exhibited separately in statement No. III.
 statement No. III, unknown cases have not been taken into account.

subordinates is excluded.



A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1906-1907.

		Expenditure																	
Number.	Districts.	Circles.	Inspector of Vaccination and Deputy Sanitary Commissioner.				Deputy Inspectors.				Vaccinators.				Clerks.		Peons, etc.		Total pay of establishment.
			Pay.	First Grade.	Second Grade.	Third Grade.	Pay.	First class.	Second class.	Probationers.	Pay.	Number.	Pay.	Number.	Pay.	Number.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
1	Anantapur.	Anantapur circle			1			780 8 11	2	8	1	1,887 6 0			1		72 0 0	2,230 11 11	
2		Penkonda do.			1			635 2 7	1	6		1,023 1 9			1		72 0 0	1,760 4 4	
		Total of district			2			1,405 6 8	3	14	1	2,910 7 9			2		144 0 0	4,029 14 3	
3	Hollary.	Bellary circle			1			621 15 9	6	7	2	1,812 0 8			1		60 0 0	2,494 0 2	
4		Harpanahalli circle				1		480 0 0	3	5	1	1,704 11 9			1		72 0 0	2,268 14 9	
		Total of district			2			1,101 15 9	9	12	3	3,514 15 5			2		132 0 0	4,780 18 2	
5	Chingleput.	Chingleput circle			1			864 10 4	1	3		1,377 10 2			1		72 0 0	2,404 4 6	
6		do			1			823 1 10	3	9	1	1,302 7 1			1		72 0 0	2,137 8 11	
7		Ponnéri do.				1		945 9 7	2	1		304 0 6			1		35 0 6	554 8 7	
		Total of district			3			2,632 14 4	6	13	1	2,984 1 9			3		174 0 6	5,186 1 0	
8	Cuddalore.	North Cumbatore circle			1			780 0 0	3	7	1	1,046 14 2			1		84 0 0	2,617 5 5	
9		South do.				1		480 0 0	3	6	2	1,628 10 0			1		21 0 0	2,301 3 10	
10		East do				1		840 0 0	4	10	4	2,464 10 8			1		54 0 0	3,503 2 11	
		Total of district			3			2,100 0 0	10	23	7	5,138 2 10			3		262 0 4	9,411 12 2	
11	Cuddalore.	Cuddalore circle			1			786 8 7	5	7	1	1,809 3 11			1		53 0 0	2,679 13 6	
12		Madanapalle do.				1		770 0 0	5	10	1	2,621 3 1			1		74 8 2	3,395 8 3	
13		Siddhartham circle				1		798 7 8	4	4	1	1,407 4 7			1		54 0 0	2,247 11 10	
		Total of district			3			2,352 15 10	14	21	3	5,737 11 7			3		342 8 2	8,332 14 7	

APPENDIX.

VACCINATION RETURNS.

14	Ganjam.	Chhatrapur circle	...	1	725 0 0	6	7	1	1,785 7 11	...	...	1	72 0 0	2,582 7 11
15		Chicoole do.	...	1	840 0 0	4	9	1	1,748 8 9	...	...	1	72 0 0	2,600 3 9
16		Ganjam Hill tracts circle	...	1	858 14 0	3	4	6	1,851 1 0	...	...	1	84 0 0	2,861 15 0
17		Basolkunda circle	...	1	510 12 8	3	7	1	1,040 4 0	...	...	1	72 0 0	2,332 0 8
		Total of district	2	1	2,032 19 8	16	27	12	6,334 0 8	...	...	4	270 0 0	9,786 11 4
18	Goanada.	Goanada circle	...	1	440 0 0	10	6	...	2,186 5 5	...	...	1	84 0 0	2,720 5 5
19		Bajbhumdy circle	...	1	680 0 0	3	7	1	1,272 11 2	...	...	1	83 11 5	2,018 6 7
20		Local Fund vaccinators in Agency	...	1	437 5 4	2	3	...	803 0 0	1	184 4 3	1	84 0 0	1,688 9 7
		Total of district	1	2	1,537 5 4	16	16	1	4,392 0 7	1	124 4 3	8	250 11 5	6,274 5 7
21	Kieran.	Ellore circle	...	1	770 0 0	11	7	1	2,306 6 9	1	83 10 4	1	76 8 6	3,325 4 7
22		Maaniquan circle	...	1	533 3 8	5	18	...	2,415 0 6	1	90 4 3	1	79 9 9	3,178 2 2
		Total of district	1	1	1,303 3 8	16	25	1	4,811 7 3	2	172 14 7	2	155 18 3	6,443 0 9
23	Guntur.	Guntur circle	...	1	807 8 9	3	4	+	1,228 10 6	1	88 6 8	1	84 0 0	2,808 8 10
24		Narasaraopet circle	...	1	189 0 0	2	3	5	1,027 9 1	1	83 1 8	1	84 0 0	1,744 10 4
25		Rajapala do.	...	1	187 11 10	2	4	3	795 11 8	1	90 11 7	1	80 15 1	1,493 2 2
		Total of district	1	2	1,865 4 7	8	11	13	3,122 15 2	3	252 2 6	3	246 16 1	5,479 5 4
26	Kurnool.	Guntur circle	...	1	742 2 9	4	4	5	1,296 3 11	...	...	1	77 0 0	2,115 6 8
27		Kurnool do.	...	1	540 0 0	4	4	4	1,403 12 6	...	...	1	80 9 9	2,364 6 2
		Total of district	2	...	1,562 2 9	8	8	9	2,700 0 4	...	...	2	157 9 9	4,489 12 10
28	Madura.	Dindigul circle	...	1	625 2 7	4	10	2	1,459 4 10	...	...	1	72 0 0	2,156 7 5
29		Madura do.	...	1	720 0 0	4	4	...	1,854 5 10	...	...	1	72 0 0	2,876 5 10
30		Paramagudi do.	...	1	800 0 0	6	5	2	2,102 6 5	1	80 0 0	1	71 14 5	3,054 4 11
31		Tripattinur do.	...	1	200 0 0	4	10	2	689 5 4	1	22 9 3	1	27 4 5	919 8 3
32		Periyakulam do.	...	1	680 0 0	4	6	2	1,505 6 4	...	...	1	71 2 8	2,208 9 0
		Total of district	1	3	2,075 2 7	22	34	8	7,650 12 9	2	102 9 3	5	314 5 10	11,012 14 5
33	Malabar.	Tellicherry circle	...	1	922 6 8	4	10	...	2,021 0 3	...	...	1	84 0 0	3,027 6 11
34		Calicut do.	...	1	475 0 0	4	13	...	2,651 0 5	...	...	1	83 15 11	3,110 0 4
35		Palghat do.	...	1	645 2 7	5	7	...	1,343 9 1	...	...	1	84 0 0	2,573 11 8
		Total of district	1	1	2,042 9 3	13	32	...	6,415 9 9	...	...	8	351 16 11	8,710 3 11
36	Nellore.	Central circle (Kavali)	...	1	480 0 0	5	2	1	1,767 10 6	...	...	1	84 0 0	2,831 10 6
37		Southern do. (Gudur)	...	1	625 2 7	2	5	3	1,754 0 8	...	...	1	77 0 0	2,468 8 3
38		Northern do. (Kangiri)	...	1	840 0 0	2	1	5	1,376 13 0	...	...	1	84 0 0	2,900 15 0
		Total of district	1	1	1,945 2 7	9	8	9	4,788 10 2	...	...	3	246 0 0	6,988 12 9

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1906-1907—continued.

Number—cont.	Districts—cont.	Circles—cont.	Expenditure—cont.				Paid from				Total.	Number of all successful vaccinations and re-vaccinations	Average cost of each successful case.
			Travelling allowance	Contingencies	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zamindars.			
10			19	20	21	22	23	24	25	26	27	28	29
1	Anantapur.	Anantapur circle	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.	Rs. A. P.	Rs. A. P.
		Penakonda do.	325 15 9	758 2 11	3,323 12 7	1,074 6 6	2,245 6 2	1,801 1 9	...	...	3,323 12 7	18,896	0 2 10
		Total of district	208 14 6	628 11 0	3,951 13 0	1,074 6 6	2,245 6 2	1,801 1 9	...	...	3,951 13 0	18,896	0 2 10
2	Bellary.	Bellary circle	584 14 8	1,881 13 11	6,008 10 5	1,881 13 11	4,126 6 4	4,046 7 11	...	...	6,008 10 5	31,787	0 2 0
		Harpanahalli circle	1,122 13 6	742 7 6	4,859 5 5	832 10 8	3,526 9 8	2,256 9 8	...	...	4,859 5 5	20,750	0 3 4
		Total of district	1,477 3 0	454 9 2	5,988 10 11	832 10 8	3,526 9 8	2,256 9 8	...	...	5,988 10 11	11,730	0 3 0
3	Chingleput.	Chingleput circle	1,320 0 6	1,197 0 8	7,398 0 4	1,534 11 11	5,763 4 5	5,763 4 5	...	...	7,398 0 4	32,519	0 3 7
		Saidapet do.	571 15 9	601 4 8	4,177 8 11	1,235 14 10	2,941 10 1	2,941 10 1	...	...	4,177 8 11	14,086	0 4 7
		Total of district	828 0 5	491 5 3	5,468 13 10	1,235 14 10	2,941 10 1	2,941 10 1	...	...	5,468 13 10	14,086	0 4 7
4	Coimbatore.	North Coimbatore circle	2,135 0 0	2,807 2 3	9,468 8 8	2,685 5 8	6,783 3 0	6,783 3 0	...	...	9,468 8 8	34,081	0 4 6
		South do.	507 12 1	877 4 11	4,008 6 5	1,179 10 0	2,828 13 5	2,828 13 5	...	...	4,008 6 5	16,045	0 4 0
		Total of district	641 7 0	1,475 3 0	5,476 13 11	1,854 15 6	4,234 13 5	4,234 13 5	...	...	5,476 13 11	25,729	0 3 5
5	Cuddalore.	Cuddalore circle	1,450 5 1	3,264 3 9	11,195 4 0	3,275 12 9	7,919 11 1	7,919 11 1	...	...	11,195 4 0	60,989	0 3 5
		Madanapalle do.	642 0 1	608 2 11	4,397 15 6	1,038 13 7	3,358 11 9	3,358 11 9	...	...	4,397 15 6	19,643	0 4 4
		Total of district	1,021 0 8	780 2 11	5,115 10 10	1,038 13 7	3,358 11 9	3,358 11 9	...	...	5,115 10 10	20,514	0 3 11
6	Madurai.	Madurai circle	371 5 1	701 13 1	9,068 14 0	786 7 8	8,281 6 2	8,281 6 2	...	...	9,068 14 0	48,389	0 4 4
		Siddharatham circle	2,337 5 10	2,068 3 11	13,768 8 4	2,894 8 10	10,874 15 6	10,874 15 6	...	...	13,768 8 4	48,389	0 4 4
		Total of district	2,337 5 10	2,068 3 11	13,768 8 4	2,894 8 10	10,874 15 6	10,874 15 6	...	...	13,768 8 4	48,389	0 4 4

APPENDIX.

VACCINATION RETURNS.

Number—cont.	Districts—cont.	Circles—cont.	Expenditure—cont.				Paid from				Total.	Number of all successful vaccinations and re-vaccinations	Average cost of each successful case.
			Travelling allowance	Contingencies	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zamindars.			
10			19	20	21	22	23	24	25	26	27	28	29
14	Channarayana.	Channarayana circle	496 7 5	1,253 3 10	1,335 3 2	1,190 12 8	3,144 6 6	3,144 6 6	...	...	4,335 3 2	21,465	0 3 2
		Channarayana do.	479 15 6	767 0 5	3,327 3 7	840 0 0	3,087 3 7	3,087 3 7	...	...	4,335 3 2	21,465	0 3 2
		Total of district	975 13 1	2,020 3 15	4,662 6 9	1,030 12 8	6,234 0 3	6,234 0 3	...	...	8,670 6 9	42,930	0 3 2
15	Channarayana.	Channarayana circle	864 5 6	530 13 1	3,754 1 7	1,064 14 0	2,767 12 11	2,767 12 11	...	...	4,835 3 2	21,465	0 3 2
		Channarayana do.	334 13 2	959 10 8	3,556 7 6	889 15 9	2,665 7 9	2,665 7 9	...	...	4,835 3 2	21,465	0 3 2
		Total of district	2,298 9 6	3,518 12 0	15,575 15 10	6,677 11 0	8,902 1 10	8,902 1 10	...	...	16,575 15 10	67,884	0 3 2
16	Channarayana.	Channarayana circle	1,174 0 4	1,222 2 11	5,115 14 10	817 3 2	4,298 11 8	4,298 11 8	...	...	5,115 14 10	30,948	0 2 8
		Channarayana do.	802 8 9	553 11 7	3,892 10 11	1,064 14 0	2,767 12 11	2,767 12 11	...	...	5,115 14 10	30,948	0 2 8
		Total of district	1,976 8 13	1,775 13 8	9,007 15 1	1,881 17 2	7,125 12 9	7,125 12 9	...	...	10,230 16 9	61,896	0 2 8
17	Channarayana.	Channarayana circle	2,876 13 3	2,498 6 11	11,510 10 9	3,245 10 6	8,265 0 3	8,265 0 3	...	...	11,510 10 9	48,775	0 3 9
		Channarayana do.	1,492 12 3	507 13 5	3,555 11 6	1,217 8 0	4,168 8 6	4,168 8 6	...	...	11,510 10 9	48,775	0 3 9
		Total of district	4,368 15 6	2,505 19 6	15,065 16 5	4,462 18 6	12,433 8 9	12,433 8 9	...	...	23,943 19 5	97,550	0 3 9
18	Channarayana.	Channarayana circle	3,041 5 0	1,991 2 1	10,575 13 10	1,750 11 8	8,825 2 2	8,825 2 2	...	...	10,575 13 10	71,225	0 2 5
		Channarayana do.	640 11 0	1,071 2 2	10,293 13 0	1,199 11 3	2,821 1 9	2,821 1 9	...	...	10,575 13 10	71,225	0 2 5
		Total of district	3,681 6 0	2,063 4 4	20,868 16 10	2,949 12 11	11,646 3 1	11,646 3 1	...	...	21,620 16 10	82,945	0 2 5
19	Channarayana.	Channarayana circle	510 11 2	888 6 5	3,952 12 2	480 0 0	2,572 12 2	2,572 12 2	...	...	4,052 12 2	18,200	0 3 4
		Channarayana do.	338 14 11	888 6 5	3,952 12 2	785 7 1	1,667 13 10	1,667 13 10	...	...	4,052 12 2	18,200	0 3 4
		Total of district	848 26 1	1,776 12 1	7,904 14 4	1,265 7 1	4,239 3 1	4,239 3 1	...	...	8,104 15 3	36,400	0 3 4
20	Channarayana.	Channarayana circle	1,639 5 1	2,708 3 8	10,906 11 1	2,405 2 4	7,491 11 9	7,491 11 9	...	...	10,906 11 1	53,341	0 3 1
		Channarayana do.	841 11 9	520 5 8	3,472 13 4	742 2 9	2,786 15 7	2,786 15 7	...	...	10,906 11 1	53,341	0 3 1
		Total of district	2,480 6 10	3,228 9 1	14,378 14 5	3,147 5 1	10,277 19 1	10,277 19 1	...	...	21,182 16 5	106,682	0 3 1
21	Channarayana.	Channarayana circle	513 6 6	612 2 7	3,012 0 9	625 2 7	2,386 14 2	2,386 14 2	...	...	3,012 0 9	18,076	0 2 10
		Channarayana do.	468 9 0	1,274 12 10	4,445 11 8	720 0 0	3,725 11 8	3,725 11 8	...	...	4,445 11 8	24,016	0 3 0
		Total of district	981 15 6	1,886 14 7	7,457 11 17	1,345 2 7	6,111 12 10	6,111 12 10	...	...	7,457 11 17	42,092	0 2 10
22	Channarayana.	Channarayana circle	162 6 6	357 7 1	1,439 0 10	316 7 6	1,122 9 4	1,122 9 4	...	...	1,439 0 10	10,707	0 2 2
		Channarayana do.	385 12 6	811 12 1	3,444 1 7	568 8 6	2,875 9 1	2,875 9 1	...	...	3,444 1 7	18,974	0 2 10
		Total of district	547 19 2	1,168 19 8	4,883 1 17	884 16 4	4,040 8 5	4,040 8 5	...	...	4,883 1 17	29,681	0 2 10
23	Channarayana.	Channarayana circle	1,897 14 9	3,805 13 6	16,776 10 8	3,330 2 7	13,445 8 1	13,445 8 1	...	...	16,776 10 8	95,962	0 2 10
		Channarayana do.	389 14 9	1,314 5 11	4,741 10 10	922 6 8	3,819 4 2	3,819 4 2	...	...	16,776 10 8	95,962	0 2 10
		Total of district	2,286 19 8	5,119 8 17	21,517 10 18	4,252 8 9	17,264 12 3	17,264 12 3	...	...	21,517 10 18	111,924	0 2 10
24	Channarayana.	Channarayana circle	407 3 0	1,923 5 3	4,963 8 11	645 2 7	4,318 6 4	4,318 6 4	...	...	4,963 8 11	40,967	0 1 11
		Channarayana do.	762 15 7	527 3 0	4,021 13 1	730 1 6	3,291 8 7	3,291 8 7	...	...	4,963 8 11	40,967	0 1 11
		Total of district	1,269 18 7	2,450 8 3	8,984 14 2	1,375 3 3	7,609 9 1	7,609 9 1	...	...	8,984 14 2	81,934	0 1 11
25	Channarayana.	Channarayana circle	762 15 7	527 3 0	4,021 13 1	730 1 6	3,291 8 7	3,291 8 7	...	...	4,021 13 1	15,180	0 4 3
		Channarayana do.	543 8 6	387 2 8	3,131 10 2	1,035 1 0	2,096 9 2	2,096 9 2	...	...	4,021 13 1	15,180	0 4 3
		Total of district	1,305 24 3	914 5 8	7,152 13 3	1,765 2 6	5,387 9 9	5,387 9 9	...	...	7,152 13 3	30,360	0 4 3
26	Channarayana.	Channarayana circle	2,058 1 1	1,720 3 9	10,544 1 7	2,691 14 1	8,152 3 6	8,152 3 6	...	...	10,544 1 7	30,564	0 4 5
		Channarayana do.	...	...	...	...	...	...	...	...	...	...	...
		Total of district	2,058 1 1	1,720 3 9	10,544 1 7	2,691 14 1	8,152 3 6	8,152 3 6	...	...	10,544 1 7	30,564	0 4 5

* Includes cost of lancet paste supplied by K.J.P.M. during 1906-1907.

APPENDIX.

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1906-1907—continued.

Expenditure.																	
Number.	Districts.	Circles—cont.	Inspector of Vaccination and Deputy Sanitary Commissioner.	Deputy Inspectors.			Vaccinators.				Clerks.		Peons, etc.	Pay.	Number.	Total pay of establishment.	
				First grade.	Second grade.	Third grade.	Pay.	First class.	Second class.	Probationary.	Pay.	Number.					Pay.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
39	Nilgiris.	Total of district															
40		Chittoor circle			1			842 0 3	4	5	1	1,501 7 8	1	25 7 9		85 0 0	2,512 15 8
41		Vellore do.						120 0 0	3	3		345 8 9				40 8 5	406 15 2
42		Karainagar circle						645 2 7	3	3	1	1,179 8 4				84 0 0	1,901 5 11
43		Ranipet do.						233 5 4	3	3		232 2 7				31 0 0	456 7 11
44		Arni do.						840 0 0	5	5	2	1,127 1 1				86 7 11	2,062 8 0
		Total of district			2	2	1	2,480 8 2	18	13	4	4,438 7 5	1	25 7 9	5	324 14 4	7,769 5 8
45	Madras.	Madras Presidency town	1	9,975 9 1													9,975 9 1
46		Total of district	1	9,975 9 1													9,975 9 1
47		Northern circle (Kriahna- gar).						470 15 6	3	6	3	1,321 5 6			1	91 0 0	1,883 5 0
48		Salem do. (Central)						614 0 0	8	11	3	1,934 5 0			1	84 0 0	2,632 5 0
49		Namakkal do.						480 0 0	3	11	3	1,866 4 1			1	91 0 0	2,427 4 1
		Total of district				3		1,564 15 6	9	26	9	5,111 14 7			3	266 0 0	6,942 14 1
50		Gudalore circle						660 8 7	5	8	1	1,630 5 9			1	84 12 10	2,389 5 2
51		Vrindachalam circle						480 0 0	3	4	1	1,275 15 1			1	91 0 0	1,881 15 1
52		Tirakkayilur do.						518 1 0	6	6	1	1,370 8 4			1	91 0 0	1,879 8 4
53		Tundivaram do.						885 2 7	4	4	1	631 4 10			1	42 0 0	1,048 7 5
		Total of district				3		2,043 6 2	17	17	4	4,788 2 0			4	317 12 10	7,149 5 0

VACCINATION RETURNS.

53	South Canara.	Northern circle	...	...	1	...	1	840 0 0	3	6	6	3,345 0 0	...	...	1	96 0 0	4,283 0 0
54		Kasaragod do.	...	...	...	...	1	450 0 0	2	3	6	2,419 5 6	...	...	1	81 8 3	2,980 18 9
		Total of district	...	...	1	...	1	1,320 0 0	5	9	12	5,765 5 6	...	...	2	177 8 3	7,262 13 9
55	Malabar.	Tanjore circle	...	...	...	1	...	702 13 9	4	8	2	1,576 14 1	...	98 6 0	1	52 0 11	2,437 2 9
56		Nagapattinam do.	...	...	...	1	...	475 0 0	3	0	1	1,562 2 5	...	...	1	84 0 0	2,191 2 5
57		Pattadakal do.	...	...	...	1	...	625 2 7	2	7	1	1,167 4 3	...	...	1	84 0 0	1,966 6 10
		Total of district	...	...	2	...	2	1,803 0 4	9	24	4	4,280 5 1	...	98 6 0	3	220 0 11	6,414 12 4
58	Tamil Nadu.	Sivillipattinam circle	...	...	...	1	...	727 2 7	3	6	1	1,236 5 4	...	...	1	70 9 7	2,034 1 6
59		Sankaravaram circle	...	...	...	1	...	740 4 9	3	3	8	1,135 0 10	...	...	1	78 5 5	1,948 12 0
60		Thiruvallur do.	...	...	...	...	...	571 2 6	4	6	2	1,440 13 7	...	...	1	72 0 0	2,063 16 7
		Total of district	...	...	1	...	1	2,038 9 4	10	15	6	3,812 3 9	...	...	3	316 0 0	6,066 13 1
61	Tamil Nadu.	Trichinopoly circle	...	...	...	...	...	840 0 0	5	7	2	2,008 9 7	...	110 16 6	1	78 0 0	2,087 9 1
62		Aranyalur do.	...	...	...	...	1	...	180 0 0	3	5	2	1,401 6 3	...	52 4 8	1	81 8 10
		Total of district	...	...	1	...	1	1,320 0 0	8	12	4	3,400 15 10	...	108 4 3	2	189 3 10	5,142 6 10
63	Tamil Nadu.	Canpur circle	...	...	...	...	...	580 0 0	1	6	1	953 14 5	...	120 0 0	1	80 8 3	1,708 6 8
64		Vizagapatnam circle	...	...	...	...	...	487 15 8	6	8	2	1,907 1 7	...	40 0 0	1	84 0 0	2,668 1 3
		Government vaccinators (Madam hills).	...	...	...	...	...	...	...	...	...	155 13 5	...	...	...	...	185 13 5
65		Vizagapatnam circle	...	...	...	...	...	901 9 3	7	16	2	3,193 13 1	...	61 13 3	1	84 0 4	4,241 3 11
		Total of district	...	...	1	...	2	1,939 8 11	14	31	5	6,306 10 6	...	270 13 3	3	248 8 7	8,764 9 3
66	Koraput.	Jeypore circle	...	...	...	...	...	394 4 4	2	11	2	1,727 11 7	...	...	1	84 0 0	2,808 15 11
		Total of district	...	...	...	...	...	...	994 4 4	2	11	3	1,727 11 7	...	...	1	84 0 0
		Grand Total of districts	1	9,976 9 1	20	20	26	41,750 12 9	248	405	119	101,864 15 10	18	1,619 7 1	65	4,900 10 8	1,59,772 7 4

* Gunpur has been included in the Local fund area.

—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1906-1907—continued.

Number—cont.	Districts—cont.	Circle—cont.	Expenditure—cont.				Paid from				Total.	Number of all successful vaccinations, primary and secondary.	Average cost of each successful case.
			19	20	21	22	23	24	25	26			
			Travelling allowance.	Contingencies.	Total costs.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zamindari.			
38	North Arcot	Nagaria	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.	Rs. A. P.	Rs. A. P.
		Total of district	35 12 0	171 14 5	2,476 7 8	—	829 6 8	1,647 1 0	—	—	2,476 7 8	3,672	0 10 9
40		Chittoor circle	1,004 10 5	670 8 0	4,140 2 5	—	1,316 4 2	2,823 14 3	—	—	4,140 2 5	18,180	0 3 8
41		Vellore do.	890 1 0	182 7 3	1,669 2 5	—	585 3 9	1,083 13 8	—	—	1,669 2 5	6,085	0 2 11
42	North Arcot	Karungudi circle	320 10 2	276 5 0	2,384 10 1	—	1,047 15 11	2,431 10 2	—	—	3,384 10 1	13,428	0 3 11
43		Banquet do.	320 10 2	243 1 6	1,165 9 9	—	486 12 9	608 13 0	—	—	1,165 9 9	8,563	0 2 1
44		Arni do.	8 2 4	325 13 1	3,933 10 3	—	1,323 7 0	1,580 3 3	—	—	3,203 10 3	12,867	0 3 11
	Total of district		3,314 10 7	2,440 2 10	13,553 2 11	—	4,690 12 7	8,853 6 4	—	—	13,553 2 11	62,111	0 3 6
45	Madras	Madras Presidency town	—	—	10,633 1 1	—	10,633 1 1	—	—	—	10,633 1 1	—	—
		Total of district	—	—	10,633 1 1	—	10,633 1 1	—	—	—	10,633 1 1	—	—
46		Northern circle (Krisi na)	2 0 0	1,424 13 1	3,808 8 7	—	638 11 6	2,869 18 1	—	—	3,808 8 7	18,153	0 3 1
47	Salem	Salem do. (Central)	2 7 14	1,488 3 8	4,498 6 11	—	808 9 6	3,560 13 5	—	—	4,408 6 11	27,975	0 2 6
48		Namakkal do.	2 4 8	1,978 3 3	4,595 15 10	—	963 1 0	3,929 14 10	—	—	4,596 15 10	25,792	0 2 10
	Total of district		508 13 3	3,402 6 11	12,913 18 4	—	2,113 6 0	10,859 9 4	—	—	12,912 18 4	71,930	0 2 9
49	South Arcot	Chidambaram circle	1,907 11 3	1,363 8 6	4,701 7 11	—	1,963 14 8	3,731 9 3	—	—	4,701 7 11	19,476	0 3 11
50		Vadakkachalam circle	684 1 1	615 0 1	3,053 8 3	—	697 14 9	2,365 9 6	—	—	3,053 8 3	15,193	0 3 3
51		Tirakkalur do.	526 11 10	1,285 7 4	3,731 15 6	—	753 14 9	2,978 0 9	—	—	3,731 15 6	16,361	0 3 8
52		Tindivanam do.	3 7 8	298 4 10	1,644 5 0	—	522 6 7	1,131 14 5	—	—	1,644 5 0	10,802	0 2 7
	Total of district		2,118 10 11	3,563 4 9	13,131 4 8	—	2,916 3 10	10,176 1 10	—	—	13,131 4 8	61,292	0 3 5

VACCINATION RETURNS.

53	South Arcot	Northern circle	1,028 6 0	912 4 5	6,217 10 5	—	840 0 0	5,377 10 5	—	—	6,217 10 5	24,297	0 4 1
54		Kannur do.	836 1 10	715 10 11	4,532 10 6	—	480 0 0	4,052 10 6	—	—	4,532 10 6	10,573	0 4 4
	Total of district		1,864 7 10	1,627 15 4	10,750 4 11	—	1,320 0 0	9,430 4 11	—	—	10,750 4 11	34,870	0 4 2
55	Tanjore	Tanjore circle	260 16 0	1,334 9 11	4,022 11 8	—	911 10 3	3,111 1 5	—	—	4,022 11 8	23,717	0 2 9
56		Nagapattinam do.	314 16 0	1,380 12 5	3,766 13 2	—	704 5 0	3,062 8 2	—	—	3,766 13 2	23,321	0 2 7
57		Pattukkottai do.	267 5 9	540 7 2	2,664 3 9	—	835 6 7	1,828 13 2	—	—	2,664 3 9	18,131	0 2 6
		Total of district	839 2 9	3,255 13 6	10,453 12 7	—	2,451 5 10	8,032 6 9	—	—	10,453 12 7	65,172	0 2 7
58	Tamil Nadu	Swamimalai circle	478 14 8	743 4 2	3,254 3 11	—	963 15 7	2,290 4 4	—	—	3,254 3 11	21,831	0 2 5
59		Sivakasi do.	512 8 4	682 15 0	3,114 1 1	—	980 0 9	2,134 3 4	—	—	3,114 1 1	21,743	0 2 4
60		Tiruvallur do.	636 13 3	881 4 2	3,564 1 0	—	831 7 0	2,672 10 0	—	—	3,564 1 0	25,946	0 2 2
		Total of district	1,625 3 10	2,310 8 1	9,932 5 0	—	2,775 7 4	7,127 1 8	—	—	9,932 5 0	69,570	0 2 3
61	Tamil Nadu	Tirunelveli circle	328 3 9	1,408 1 1	4,811 13 11	—	1,109 12 7	3,722 1 4	—	—	4,811 13 11	28,253	0 2 9
62		Arundel do.	261 3 6	961 7 2	3,317 8 5	—	738 13 0	2,588 11 5	—	—	3,317 8 5	17,486	0 3 0
		Total of district	589 7 3	2,369 8 3	8,128 6 4	—	1,848 9 7	6,310 12 9	—	—	8,128 6 4	45,739	0 2 10
63	Tamil Nadu	Gungur circle	719 6 6	1,555 15 8	3,084 12 10	—	886 3 6	2,198 9 4	—	—	3,084 12 10	8,879	0 5 7
64		Vakkapattinam circle	879 11 10	1,217 12 5	9,755 9 6	—	1,87 15 8	4,267 9 10	—	—	9,755 9 6	22,970	0 3 4
		Government vaccinators (Gundam hills)	46 5 0	14 13 3	216 15 8	—	216 15 8	—	—	—	216 15 8	108	3 0 9
65		Vizianagaram circle	1,441 7 6	2,935 11 8	7,721 10 1	—	1,510 4 7	6,181 5 6	—	—	7,721 10 1	38,061	0 3 3
	Total of district		3,089 14 10	3,924 8 0	15,779 0 1	—	3,131 7 5	12,647 8 8	—	—	15,779 0 1	69,936	0 3 7
66	Tamil Nadu	Jeyore circle	1,508 7 1	918 8 1	5,232 15 1	—	1,723 3 7	3,508 11 6	—	—	5,232 15 1	19,401	0 4 4
		Total of district	1,508 7 1	918 8 1	5,232 15 1	—	1,723 3 7	3,508 11 6	—	—	5,232 15 1	19,401	0 4 4
	Grand Total of districts		41,821 1 10	55,658 10 8	258,252 3 10	—	71,502 12 11	186,749 6 11	—	—	258,252 3 10	1,228,927	0 8 4

* Includes cost of lamoline paste supplied by K.I.P.M., during 1906-1907.

A—VACCINE DEPARTMENT.

Statement No. II showing the Cost of the Department in the Madras Presidency during the financial year 1906-1907—continued.

APPENDIX.																	
Expenditure.																	
Number.	Municipalities.	Inspector of Vaccination and Deputy Registrar Commissioner.				Deputy Inspectors.			Vaccinators.				Clerks.		Peons, etc.		Total pay of establishments.
		Pay.	First grade.	Second grade.	Third grade.	Pay.	First class.	Second class.	Probationer.	Pay.	Number.	Pay.	Number.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
				Rs. A. P.				Rs. A. P.						Rs. A. P.			Rs. A. P.
1	Adoni								1			156 0 8					156 0 8
2	Anantapur										1	174 0 0					174 0 0
3	Anapalle								1			132 0 0					132 0 0
4	Bellary								1			508 14 4					508 14 4
5	Berhampur								1			132 0 0					132 0 0
6	Bewala								1			192 0 0			1	72 0 0	264 0 0
7	Chimlapattinam								1			198 0 0					198 0 0
8	Cuddalore								1			575 8 0					575 8 0
9	Cuddalore								1			331 0 0					331 0 0
10	Cuddalore								1			192 0 0					192 0 0
11	Cuddalore								1			198 0 0					198 0 0
12	Cuddalore								1			131 8 0					131 8 0
13	Cuddalore								1			190 0 0					190 0 0
14	Cuddalore								1			382 0 0					382 0 0
15	Cuddalore								1			382 10 1					382 10 1
16	Cuddalore								1			205 0 8			1	23 0 0	228 0 8
17	Cuddalore								3			320 0 0					320 0 0
18	Cuddalore								1			323 0 0					323 0 0
19	Cuddalore								1			190 0 0					190 0 0
20	Cuddalore								1			156 0 0					156 0 0
21	Cuddalore								1			312 0 0					312 0 0
22	Cuddalore								1			196 0 0					196 0 0
23	Cuddalore								1			114 5 11					114 5 11
24	Cuddalore								1			728 0 0			1	72 0 0	800 0 0
25	Cuddalore								1			180 15 0					180 15 0

APPENDIX.

VACCINATION RETURNS.

Sl. No.	Municipality	No. of Municipalities	Total	Grand Total	Municipalities									
					1	2	3	4	5	6	7	8	9	10
26	Kodakkal	1	1	1	1	1	1	1	1	1	1	1	1	1
27	Kumbakonam	1	1	1	1	1	1	1	1	1	1	1	1	1
28	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
31	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
32	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
33	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
34	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
35	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
36	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
37	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
38	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
39	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
40	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
41	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
42	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
43	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
44	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
45	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
46	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
47	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
48	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
49	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
50	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
51	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
52	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
53	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
54	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
55	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
56	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
57	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
58	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
59	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
60	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
61	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
62	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
63	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
64	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
65	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
66	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
67	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
68	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
69	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
70	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
71	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
72	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
73	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
74	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
75	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
76	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
77	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
78	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
79	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
80	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
81	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
82	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
83	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
84	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
85	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
86	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
87	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
88	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
89	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
90	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
91	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
92	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
93	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
94	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
95	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
96	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
97	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
98	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
99	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1
100	Kuruppalai	1	1	1	1	1	1	1	1	1	1	1	1	1

* Vaccination was performed by the Medical officer in charge.

† Four Assistant Deputy Inspectors.

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the fiscal year 1908-1909—continued.

Number—cont.	Municipalities—cont.	Expenditure—cont.				Paid from				Total.	Number of all vaccinations.	Average cost of each successful case.
		Provisional allowance.	Contingencies.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zemindari.			
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Aloni	122 8 7	278 8 10	399 6 17	...	...	...	278 8 10	...	399 6 17	1,187	1,187
2	Anaimalai	22 2 9	140 11 9	162 14 8	...	...	...	140 11 9	...	162 14 8	301	0 5 10
3	Ankuppalli	121 8 7	956 15 7	1,077 24 4	...	...	...	956 15 7	...	1,077 24 4	705	0 5 10
4	Bellary	278 8 9	787 2 1	1,065 11 0	...	...	...	787 2 1	...	1,065 11 0	2,119	0 5 11
5	Berhampur	78 8 6	308 8 6	386 15 0	...	...	...	308 8 6	...	386 15 0	1,103	0 5 8
6	Bewda	38 8 6	348 5 6	386 14 2	...	...	...	348 5 6	...	386 14 2	1,233	1 4 9
7	Bhadrachalam	235 15 0	1,300 18 0	1,535 13 0	...	...	...	1,300 18 0	...	1,535 13 0	456	0 9 0
8	Calicut	121 12 8	552 12 9	673 25 7	...	...	...	552 12 9	...	673 25 7	2,952	0 2 5
9	Cananore	40 0 8	332 0 3	372 0 11	...	...	...	332 0 3	...	372 0 11	963	0 3 9
10	Chiracole	125 4 11	323 4 11	448 9 0	...	...	...	323 4 11	...	448 9 0	730	0 6 11
11	Chilambaram	74 8 6	306 0 6	380 8 12	...	...	...	306 0 6	...	380 8 12	1,035	0 4 1
12	Chingleput	27 8 1	277 8 1	304 6 2	...	...	...	277 8 1	...	304 6 2	1,035	0 4 1
13	Cochin	283 8 0	645 9 0	928 7 0	...	...	...	645 9 0	...	928 7 0	3,102	0 3 8
14	Coimbatore	163 5 1	472 15 3	635 10 4	...	...	...	472 15 3	...	635 10 4	1,508	0 4 10
15	Conjeveram	31 5 9	313 3 5	344 8 14	...	...	...	313 3 5	...	344 8 14	1,716	0 3 3
16	Cuddalore	217 13 8	238 3 2	455 17 0	...	...	...	238 3 2	...	455 17 0	982	0 8 9
17	Cuddalore	105 11 6	428 11 6	533 23 2	...	...	...	428 11 6	...	533 23 2	2,561	0 2 5
18	Cuddalore	296 1 11	329 1 11	625 2 22	...	...	...	329 1 11	...	625 2 22	702	0 6 11
19	Cuddalore	66 6 9	222 6 9	288 13 0	...	...	...	222 6 9	...	288 13 0	1,021	0 3 6
20	Dindigul	112 12 9	454 12 9	566 25 8	...	...	...	454 12 9	...	566 25 8	2,303	0 3 3
21	Ellore	81 2 6	347 15 5	428 18 1	...	...	...	347 15 5	...	428 18 1	718	0 4 6
22	Erode	119 4 9	233 13 8	352 18 7	...	...	...	233 13 8	...	352 18 7	903	0 4 6
23	Gadivattam	50 1 7	380 1 7	430 2 4	...	...	...	380 1 7	...	430 2 4	1,332	0 4 9
24	Goatdar	35 3 8	339 13 8	374 17 6	...	...	...	339 13 8	...	374 17 6	577	0 6 4
25	Karur	...	...	...	...	...	...	...	...	...	...	...

APPENDIX.

Number	Municipalities	Expenditure—cont.				Paid from				Total.	Number of all vaccinations.	Average cost of each successful case.
		Provisional allowance.	Contingencies.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zemindari.			
1	2	3	4	5	6	7	8	9	10	11	12	13
26	Kodakallal	11 1 8	41 1 8	52 3 0	...	...	...	41 1 8	...	52 3 0	130	0 5 1
27	Kumbakonam	146 6 0	555 11 7	701 17 7	...	...	...	555 11 7	...	701 17 7	2,319	0 3 10
28	Kurukool	75 0 5	344 13 3	419 18 8	...	...	...	344 13 3	...	419 18 8	1,125	0 4 11
29	Madurai	2,071 12 5	11,310 0 1	13,381 12 6	...	...	...	11,310 0 1	...	13,381 12 6	28,129	0 6 5
30	Madurai	602 5 8	1,148 13 0	1,750 18 8	...	...	...	1,148 13 0	...	1,750 18 8	6,857	0 2 8
31	Madurai	75 4 11	290 1 1	365 5 12	...	...	...	290 1 1	...	365 5 12	794	0 4 8
32	Madurai	286 6 7	655 6 7	941 13 4	...	...	...	655 6 7	...	941 13 4	2,478	0 4 4
33	Madurai	39 14 10	279 14 10	318 28 0	...	...	...	279 14 10	...	318 28 0	1,431	0 3 1
34	Madurai	27 15 0	230 15 0	257 10 0	...	...	...	230 15 0	...	257 10 0	926	0 4 0
35	Madurai	47 8 0	262 3 2	309 11 2	...	...	...	262 3 2	...	309 11 2	862	0 4 10
36	Madurai	290 4 6	815 13 10	1,105 17 6	...	...	...	815 13 10	...	1,105 17 6	4,019	0 3 3
37	Madurai	98 15 0	321 2 10	419 17 0	...	...	...	321 2 10	...	419 17 0	1,631	0 4 0
38	Madurai	37 1 1	193 1 4	230 2 5	...	...	...	193 1 4	...	230 2 5	518	0 5 8
39	Madurai	177 7 6	371 15 6	548 23 2	...	...	...	371 15 6	...	548 23 2	1,493	0 4 0
40	Madurai	184 10 4	435 12 2	619 22 6	...	...	...	435 12 2	...	619 22 6	1,408	0 4 11
41	Madurai	125 7 4	112 12 9	237 20 3	...	...	...	112 12 9	...	237 20 3	442 13 9	0 3 0
42	Madurai	67 11 6	239 11 6	306 23 2	...	...	...	239 11 6	...	306 23 2	249 11 6	0 4 4
43	Madurai	61 3 6	237 13 8	308 17 4	...	...	...	237 13 8	...	308 17 4	906	0 4 0
44	Madurai	43 2 2	181 12 2	224 14 4	...	...	...	181 12 2	...	224 14 4	1,001	0 3 8
45	Madurai	38 3 4	139 11 2	177 14 6	...	...	...	139 11 2	...	177 14 6	2,861	0 2 7
46	Madurai	295 4 9	594 13 9	889 18 8	...	...	...	594 13 9	...	889 18 8	2,079	0 3 2
47	Madurai	66 4 1	243 11 0	309 15 1	...	...	...	243 11 0	...	309 15 1	1,234	0 3 3
48	Madurai	60 4 2	255 4 14	315 18 6	...	...	...	255 4 14	...	315 18 6	1,148	0 3 0
49	Madurai	53 7 5	209 5 5	262 13 0	...	...	...	209 5 5	...	262 13 0	1,097	0 2 5
50	Madurai	252 17 5	618 6 6	870 24 1	...	...	...	618 6 6	...	870 24 1	1,261	0 7 11
51	Madurai	40 10 4	403 6 3	443 16 7	...	...	...	403 6 3	...	443 16 7	408 8 8	0 4 2
52	Madurai	417 1 1	1,037 3 1	1,454 4 2	...	...	...	1,037 3 1	...	1,454 4 2	1,047 3 1	0 2 3
53	Madurai	50 12 5	266 15 6	316 28 1	...	...	...	266 15 6	...	316 28 1	246 15 6	0 4 8
54	Madurai	40 10 2	229 10 2	269 20 2	...	...	...	229 10 2	...	269 20 2	553	0 6 7
55	Madurai	25 3 6	144 11 8	169 15 4	...	...	...	144 11 8	...	169 15 4	144 11 8	0 3 5
56	Madurai	71 6 3	251 5 3	322 11 6	...	...	...	251 5 3	...	322 11 6	251 5 3	0 3 0
57	Madurai	28 8 1	168 8 4	196 16 5	...	...	...	168 8 4	...	196 16 5	168 8 4	0 3 4
58	Madurai	120 12 2	183 13 4	303 25 6	...	...	...	183 13 4	...	303 25 6	483 18 4	0 4 9
59	Madurai	117 13 0	341 15 8	458 28 8	...	...	...	341 15 8	...	458 28 8	1,385	0 3 11
60	Madurai	219 7 4	311 7 4	530 14 8	...	...	...	311 7 4	...	530 14 8	1,702	0 2 10
61	Madurai	31 8 8	163 8 8	194 17 6	...	...	...	163 8 8	...	194 17 6	148	0 5 10
Total of Municipalities		257 13 0	43,957 6 0	44,214 9 0	...	...	...	43,957 6 0	...	44,214 9 0	127,136	0 4 2
1	Madurai	...	...	...	...	...	...	...	...	...	...	...
2	Madurai	...	...	...	...	...	...	...	...	...	...	...
Total		186 0 0	498 6 2	684 6 2	...	...	...	498 6 2	...	684 6 2	2,671 10 2	0 7 1
Grand Total		44,214 9 0	86,684 3 7	1,208,881 4 0	...	...	...	86,684 3 7	...	1,208,881 4 0	1,208,881 4 0	0 3 6

* Includes cost of latrine pits supplied by K.L.P.M. during 1908-1909.

† In finding out the average cost of each successful case, excluding the number of successful vaccinations (7,427) performed in the Natal and Mauritius Emigration depots and Penitentiary, the amount realized by sale of lymph, viz., Rs. 575-5-5, has been deducted from the total cost.

‡ Paid from Abkari funds.

[illegible]

District.	Number of dispensaries in each district to which a vaccination 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 and secondary vaccinations.					No. vaccination.			Percentage of persons vaccinated excluding unknown.	Percentage of unknown cases to total cases.		
					Total.	Successful.			Total.	Successful.	Unknown.	Primary and secondary vaccinations.		Re-vaccination.	Primary and secondary vaccinations.	Re-vaccination.
						Under 1 year.	Over 1 and under 6 years.	Total of all ages.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Nellore District.																
Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Milgiri District.																
Saint Bartholomew's Hospital (Ootacamund).	...	...	19	...	13	7	4	13	...	6	6	...	100.0	100.0	...	...
North Arcot District.																
Arcot	...	...	15	...	...	...	...	...	...	15	5	...	...	33.3	...	...
Salem District.																
Omair	...	...	2	...	2	3	...	2	...	...	...	...	100.0	...	...	...
Pennagaram	...	...	41	...	16	...	...	16	...	25	6	6	100.0	31.5	...	34.0
Tiruchengode	...	...	9	...	1	...	...	1	...	5	5	...	100.0	100.0	...	...
Yercaud	...	...	105	...	22	...	2	9	13	83	10	68	100.0	66.6	59.0	81.9
Total	...	...	157	...	44	7	2	31	13	113	21	74	100.0	53.8	29.5	65.5
South Arcot District.																
Panruti	...	...	7	...	1	...	...	1	...	6	6	...	100.0	100.0	...	...
South Canara District.																
Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tanjore District.																
Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevely District.																
Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly District.																
Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Visagapatam District.																
Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Koraput District.																
Malakgiri	...	...	2	...	...	...	...	...	...	2	2	...	100.0	...	...	...
Grand Total	...	...	248	...	33	27	17	78	13	165	53	74	97.5	65.4	14.0	47.7

The information for the years commencing from 1907-08 includes secondary vaccination also.

STATISTICS: No. Voluntary participants of Vaccination verified by Inspecting Officers during 1906-1907.

The attached can work done by the Sanitary Assistants to the District Medical and Sanitary Officers is shown here as required in G.O. No. 1254 J., dated 15th August 1940. The number of cases for the result of vaccination is 105 and 127, 200 as verified by the District Medical and Sanitary Officers, Chidambaram, as the result of vaccination has not been furnished. The number of cases performed in the Cantonments.

STATEMENT No. VI showing Statistics relating to the number of children under one year of age in Municipalities available for vaccination and the number of successful operations performed on them. (G.O., No. 800 L., Mys., dated 31st May 1900.)

Municipalities.	Number of births available for vaccination during the year 1900.	Number of deaths amongst children under one year during the year.	Number available for vaccination after deducting the numbers who have died as shown in col. 3.	Number of successful vaccinations on children under one year during the year ending March 1901.	Date of extension of compulsory vaccination to Municipalities.
Adoni	1,103	158	945	401	1st Dec. 1886.
Anantapur	311	50	261	196	1st Jan. 1895.
Anakapalle	728	105	623	430	1st Nov. 1891.
Bellary	1,608	195	1,413	432	1st Jan. 1891.
Berhampur	964	194	770	556	1st May 1892.
Berwala	1,720	238	1,482	227	1st Jan. 1891.
Bhimipatam	450	37	413	227	1st Dec. 1891.
Calicut	3,222	569	2,653	843	1st June 1891.
Cananore	1,330	230	1,100	202	1st Dec. 1890.
Channarayana	507	112	395	214	1st July 1887.
Chidambaram	613	129	484	223	1st April 1897.
Chingleput	430	113	317	614	1st Jan. 1894.
Cochin	467	191	276	820	1st June 1890.
Cochin	1,880	303	1,577	1,015	1st Jan. 1890.
Coimbatore	2,275	502	1,773	915	1st Jan. 1891.
Conjeveram	1,770	413	1,357	139	1st April 1897.
Coomor	290	37	253	445	1st Aug. 1890.
Cuddalore	1,850	330	1,520	816	15th July 1890.
Cuddalore	537	70	467	727	10th July 1890.
Dindigul	1,801	293	1,508	685	1st June 1888.
Ellore	1,021	251	770	320	1st April 1888.
Errode	851	92	759	378	1st June 1891.
Gadialur	907	194	713	753	1st Jan. 1889.
Gantur	1,396	325	1,071	241	1st Sept. 1890.
Karur	539	71	468	36	1st April 1900.
Kodakand	103	20	83	750	1st Aug. 1890.
Kumbakonam	1,072	208	864	438	1st July 1890.
Kurool	363	213	150	438	1st Jan. 1891.
Madurai	1,220	288	932	2,878	1st Dec. 1890.
Mamargudi	731	155	576	340	1st Sept. 1891.
Managalore	1,437	290	1,147	833	1st May 1890.
Mannipatam	1,354	262	1,092	645	1st Oct. 1890.
Mayasaram	921	180	741	418	1st Jan. 1900.
Nandyal	527	104	423	1,145	1st July 1890.
Nagapattinam	1,457	284	1,173	804	1st Aug. 1890.
Nellore	798	140	658	325	1st Dec. 1890.
Onge	437	108	329	448	1st July 1891.
Ootacamund	761	95	666	708	1st May 1891.
Palamcottah	1,540	288	1,252	1,050	1st Dec. 1890.
Palghat	1,907	302	1,605	418	1st Dec. 1890.
Parakkimeli	123	187	65	503	1st Feb. 1891.
Periyakulam	341	106	235	358	1st Dec. 1891.
Purai	657	350	307	478	1st Jan. 1891.
Rajahmundry	1,523	749	774	1,142	1st May 1891.
Salem	2,094	121	1,973	129	1st July 1890.
Srinagar	736	212	524	827	1st Jan. 1890.
Srivillipattur	1,181	506	675	1,280	1st July 1890.
Tanjore	2,525	207	2,318	653	1st Aug. 1892.
Talcher	1,100	470	630	911	1st July 1890.
Tirunelveli	1,678	518	1,160	1,401	1st Aug. 1890.
Tirunipoly	3,152	548	2,604	293	1st April 1891.
Tirupattur	743	157	586	270	1st Mar. 1890.
Tirupathi	474	103	371	241	15th Dec. 1897.
Tiruvannamalai	450	107	343	562	1st May 1892.
Tuticorin	654	225	429	414	1st May 1890.
Vaniyambadi	752	95	657	464	1st Jan. 1887.
Vellore	1,478	256	1,222	790	1st Aug. 1890.
Vengalpet	1,477	398	1,079	680	1st Jan. 1891.
Vijayanagara	1,516	218	1,298	200	20th June 1892.
Wadapet	363	64	299	200	
Total	72,137	14,516	57,622	37,854	

VACCINATION RETURNS.

STATEMENT No. VII showing Inspection Work done by Deputy Inspectors during the year 1900-1901.

Districts.	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.	Percentage of successful cases as reported by Deputy Inspectors.	Proportion per cent. of inspection to total number vaccinated.			
		First-grade Inspectors.	Second-grade Deputy Inspectors.	Third-grade Deputy Inspectors.	First-grade Deputy Inspectors.	Second-grade Deputy Inspectors.	Third-grade Deputy Inspectors.											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Anantapur.	Anantapur.	...	1	...	...	286	...	19,701	259	...	10,406	...	10,406	9,728	92.9	...	88.9	...
Bellary	Bellary	1	...	...	362	...	469	21,702	260	9,802	...	9,270	9,523	9,346	87.6	48.6	...	78.4
Chingleput.	Chingleput.	1	...	...	806	...	...	17,996	268	16,847	...	...	16,847	16,848	94.6	33.6	...	...
Coimbatore.	Coimbatore.	...	1	...	928	...	...	16,904	268	16,638	...	...	16,638	14,270	86.3	97.8	...	...
Cuddalore.	Cuddalore.	...	1	...	...	...	...	20,408	335	...	...	...	...	7,143	88.9	...	...	...
Ganjam.	Ganjam.	...	1	...	...	...	...	22,693	246	...	...	10,786	10,786	9,001	85.6	...	...	...
Godavari.	Godavari.	...	1	...	...	...	...	23,476	277	12,757	...	...	12,757	8,921	77.7	...	...	...
Kistna.	Kistna.	...	1	...	...	...	...	18,821	300	...	...	...	...	8,008	85.6	...	...	...
		...	1	...	...	...	...	22,149	286	8,466	...	...	...	7,861	83.8	...	...	...
		...	1	...	...	...	...	9,535	258	7,435	...	...	...	11,849	87.4	...	...	...
		...	1	...	...	...	...	23,476	226	16,861	...	...	...	6,499	87.4	...	...	...
		...	1	...	...	...	...	18,821	300	11,532	...	...	...	15,000	86.9	...	...	...
		...	1	...	...	...	...	13,689	179	6,534	...	...	...	11,642	90.6	...	...	...
		...	1	...	...	...	...	19,632	284	...	...	...	...	6,070	82.8	...	...	...
		...	1	...	...	...	...	41,829	231	...	...	...	...	11,216	82.0	...	...	...
		...	1	...	...	...	...	16,942	237	11,164	...	...	...	18,414	79.6	...	...	...
		...	1	...	...	...	...	6,096	143	...	...	...	...	11,94	77.3	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	1,867	71.2	...	...	...
		...	1	...	...	...	...	39,607	266	31,872	...	...	...	18,085	88.4	...	...	...
		...	1	...	...	...	...	44,445	256	...	...	...	...	18,568	80.9	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	1	...	...	...	...	...	...	...	...	...	...	...	...			

* Number of cases vaccinated from 1st August 1900 to 31st March 1901.

* Old cases also were inspected.

STATEMENT No. VII showing Inspection Work done by Deputy Inspectors during the year 1906-1907—continued.

Districts.	Circles.	Number of inspecting officers.			Number of cases verified.			Total number of persons vaccinated.	Number of days spent on inspection duty.	Number of cases verified.			Total number of cases inspected by Deputy Inspectors.	Percentage of successful cases as reported by Deputy Inspectors.	Proportion per cent. of inspections to total number vaccinated.		
		First-grade Inspectors.	Second-grade Inspectors.	Third-grade Inspectors.	First-grade Inspectors.	Second-grade Inspectors.	Third-grade Inspectors.			First-grade Inspectors.	Second-grade Inspectors.	Third-grade Inspectors.					
Coast	Guntur	1			343			20,799	275	2,894		25,394	55,173	95.8	186.9	91.3	168.7
	Narasaraopet							18,819	355			17,323	14,680	94.8		58.5	
	Bapatla							18,867	263			20,514	19,867	94.8		49.0	
Karnac	Cumbum				331			13,478	240	9,088		9,028	7,674	85.0	47.0		
	Kurnool				504			17,797	366	11,532		11,532	9,097	78.6	64.7		
Madras	Madras							47,683	299	673		13,743	13,378	97.3	55.2		
	Dindigul							21,730	359			17,079	16,400	91.3		78.6	
	Madurai							26,420	296			15,471	14,962	96.0		58.5	
	Paramaragd							24,578	160			12,056	11,519	95.5		49.0	
Madurai	Tirupattur							11,027	131			5,603	5,408	96.5		50.8	
	Periyakulam				740			21,401	273	16,634		16,634	16,365	98.0	77.7		
Malabar	Tellicherry				168			28,548	251	16,319		16,219	15,648	96.5	56.8		
	Calicut							44,970	291			16,919	16,324	96.5			
	Palghat							41,545	265			16,079	17,387	96.1		43.5	
Nellore	Central (Kovvili)							18,988	287			10,519	9,549	91.1		63.0	
	Southern (Judur)							14,915	273			9,882	9,742	98.4		66.2	
	Northern (Kangiri)				445			14,381	283	9,793			9,793	83.3		78.6	
Nilgiris	Nilgiris							8,801	275			2,788	2,679	96.0		79.3	
North Arcot.	Chittoor				846			19,145	269	14,932		14,932	14,350	96.9		78.1	
	Vellore							9,987	114			8,010	7,631	95.2		80.2	
	Kanpet nagar							14,486	287			13,466	12,863	95.7		86.7	
	Ranipet							8,944	113			8,057	7,897	97.1		90.0	
Salem	Arni				677			14,063	285	8,764		8,761	5,944	67.8	68.3		
Salem	North (Krishnagiri)							19,510	288			10,889	10,988	97.1		89.1	
	Sakini, Central							31,481	719			15,777	15,777	97.9		90.3	
	Sakini, Central							31,481	719			15,777	15,777	97.9		90.3	
	Sakini, Central							31,481	719			15,777	15,777	97.9		90.3	

	21	20	† 28	12,061	8,571	10,371	1,415,909	235	295,005	256,190	848,805	897,501	901,238	89·3	\$ 67·2	80·4	\$ 64·4
Cuddalore	1							338	27,809	333	13,487	13,487	13,109	49·7		48·6	92·6
Vridhdhohalam									503	18,839	230	15,423	16,035	91·1			93·4
Tirukkovilur	1								302	17,806	236	13,413	14,066	56·8			
Tindivanai								305	10,773	131	7,772	7,772	6,991	58·9		73·1	
South Canara (North)	1			185					35,459	265	14,983	14,983	14,113	94·1	58·8		59·3
Kasaragod									155	18,404	236	9,026	9,026	47·3			
Tanjore								458	25,640	260	15,280	15,280	13,719	59·9		59·5	64·7
Negapatam	1								407	24,772	287	16,039	16,039	95·3			
Pattinakottai								494	19,907	375	14,838	14,838	13,983	14·3		76·8	
Srivilliputtur									33,905	224	14,282	14,282	13,932	90·6			
Sérinádévi	1			408				615	23,980	226	16,850	16,850	16,950	96·4		70·8	
Tinnevely									349	27,261	254	21,117	21,117	92·2			75·6
Trichinopoly									31,386	245	20,140	20,140	17,953	80·1	64·3		66·7
Ariyalur	1			367					441	20,299	259	13,354	11,351	64·9			
Gunsapur									438	9,473	281	9,206	8,896	85·8			97·1
Vizagapatam	1								216	27,126	202	14,457	11,748	81·2			53·3
Vizianagram				315					41,752	267	33,343	33,343	20,111	86·1	55·9		
Jeyapore								1,188	22,531	310	16,747	16,747	13,898	85·9	74·8		
Total	21	20	† 28	12,061	8,571	10,371	1,415,909	235	295,005	256,190	848,805	897,501	901,238	89·3	\$ 67·2	80·4	\$ 64·4

* Assistant Deputy Inspectors.
† Includes 13,801 cases vaccinated in the Natal and Mauritius depots and Penitentiary which were not verified by the Deputy Inspectors.
‡ Includes four Assistant Deputy Inspectors employed in Madras.
§ In working out these percentages, the figures relating to Madras have not been taken into account.



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Government of Madras.
LOCAL AND MUNICIPAL DEPARTMENT.

Recd.

Regd.

} 1907.

Enclosures

Spare copies

G.O., &c., Nos. 1044, 1045 L., 29th July 1907.

Vaccination.

Reviewing the report on — in the Madras Presidency and the work of the King Institute of Preventive Medicine for the year 1906-1907.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following paper:—

Letter—from the Sanitary Commissioner for Madras.
To—the Secretary to Government, Local and Municipal Department.
Dated—the 10th July 1907.
No.—1361.

ABSTRACT.—Forwarding the report on vaccination in the Madras Presidency and the work of the King Institute for 1905-1907.

Order—No. 1044 L., dated 29th July 1907.

During the year under review the Deputy Sanitary Commissioner was relieved of his duties in the Medical College as Professor of Hygiene and Bacteriology and so set free for his more proper duties, the tentative reorganization of the vaccination establishments was introduced in the whole of the district of Chingleput and in parts of the districts of North Arcot, South Arcot and Madura, the staff of Deputy Inspectors of Vaccination was reorganized and the number of vaccinators increased. A revised form of register of children unprotected from vaccination was also prescribed. It was not, however, possible before the close of the year to judge generally of the effect on vaccination of these changes. The President of the District Board of North Arcot has, however, already reported that the trial scheme has so far produced satisfactory results. The separate communication promised by the Sanitary Commissioner in paragraph 3 of his letter, No. 1361, dated 10th July 1907, in regard to the working of this scheme will be awaited.

2. The total number of vaccine operations performed during the year exceeded that of 1905-1906 by 56,610 or 5.9 per cent. This result is attributed to the impetus given by the prevalence of small-pox in many parts of the Presidency. Taking Local Fund and Municipal areas separately, there was an increase in the number of operations in all the districts except the Nilgiris, Chingleput and Tanjore. The decrease in Chingleput and Tanjore was large. In Chingleput, the decrease is attributed to the want of subjects for vaccination—an explanation which cannot be accepted—and to short supply of vaccine paste from the King Institute. As to this it is explained that in February and March 1907, the contractor failed to supply a sufficient number of calves and that there was an outbreak of foot-and-mouth disease among the calves actually supplied. The Government are glad to observe that arrangements have been made to avoid the recurrence of such misfortunes. The decrease in Tanjore is also ascribed to the short supply of paste, as well as to the absence of vaccinators without substitutes. The grant of leave to vaccinators without providing substitutes was irregular and could have been avoided if an adequate reserve of vaccinators had been maintained by the District Board. The attention of all District Boards will be drawn again to the importance of maintaining such a reserve. The outturn of work in Municipalities showed a decrease of 8.5 per cent, being the result of a reduction in 28 towns including the City of Madras. There was a decrease of 29.5 per cent. in the City of Madras alone and decreases in excess of 500 cases occurred in Coimbatore, Elore, Negapatam and Trichinopoly. The fall in Madras, Coimbatore and Negapatam is attributed to the absence of an epidemic of small-pox as in the previous year and in Trichinopoly partly to the failure of the lymph supply.

3. With regard to revaccinations there was an increase of 6 per cent. in the total number. In Local Fund areas alone there was an increase of nearly 14,500 cases, while in Municipalities there was a decrease of about 6,000. Large increases occurred in the districts of Vizagapatam including Koraput, Salem, Coimbatore and Gódvári, while the decreases in Municipalities were considerable in Madras City and in Negapatam. Small-pox was prevalent in every district during the year and accounted for 24,775 deaths or 4,236 more than in 1905-1906. It is evident that a very considerable portion of the population is still unprotected and that the need for systematic revaccination is not fully appreciated. The attention of all District Boards and Municipal Councils is drawn to the great importance of this branch of vaccination work.

4. The reported percentage of success rose from 92.9 to 93.4 in the case of primary and secondary vaccinations, while in revaccinations it fell from 76.0 to 74.2. The increase under the former is attributed to greater care and skill on the part of vaccinators in the use of lanoline vaccine. The total number of successful operations per mille of the population was returned at 34.2 in Local Fund areas and 52.8 in Municipalities against 31.6 and 59.2, respectively, in 1905-1906. The falling off in the municipal towns is regrettable; while there is clearly much room for improvement in the rural areas.

5. The average cost of each successful case by Local Fund vaccinators fell from As. 3-6 to As. 3-2. On the other hand, the average cost of each successful case by Municipal vaccinators rose from As. 3-10 to As. 4-3 in spite of a slight decrease in the cost of establishment. The cost of each successful operation was in excess of As. 4 in the districts of South Canara, Chingleput, Cuddapah, Koraput, Nellore and the Nilgiris. In the Municipalities of Anantapur, Bimlipatam, Chidambaram, Cuddapah, Karúr, Tellicherry and Tirupati, it was over As. 6, and the Councils should take steps to reduce this excessive cost.

6. The improvement under infantile vaccination was so far satisfactory, the increase returned being 28,100 or 6.1 per cent. in the number of successful vaccinations on children under one year. The increase, however, occurred exclusively in Local Fund areas, there having been a decrease in the number of such vaccinations in other areas. Increases of more than 5,000 cases occurred in the districts of North Arcot, Coimbatore and Salem. On the other hand, there was a decrease in three districts, which was considerable in Chingleput (7,280). The Government note with dissatisfaction that in Bellary, Kodakúmal and Vellore less than one-half of the number of children available for vaccination according to the registers of births were protected from small-pox. Orders will issue in the Judicial Department with reference to the remarks of the Inspector of Vaccination in paragraph 12 of his report in regard to the tardiness and leniency shown by magistrates in dealing with persons charged before them for failure to have their children vaccinated. As regards the complaint of the Inspector in the same paragraph that the Chairmen of Union Panchayats generally decline to recommend the prosecution of defaulters on the report of vaccinators, the attention of the Sanitary Commissioner will be drawn to paragraph 12 of G.O., No. 1005 L., dated 15th September 1905, in which it was pointed out that vaccinators themselves should, subject to the previous sanction of the President of the District Board, prefer complaints to the magistrates for such failure on the part of parents.

7. The Deputy Inspectors of Vaccination showed 60.8 per cent. of the total number of primary and secondary vaccinations as having been verified by them and 22.2 per cent. of the number of cases revaccinated in areas excluding cantonments. Whether these returns are in all respects correct may be open to doubt. The District Medical and Sanitary Officers verified a small percentage of primary and secondary operations and of revaccinations. But in North Arcot, Kurnool and Vizagapatam including Koraput, the total number of cases verified by them was less than 1 per cent. of the total number of operations. The verification work done by the Sanitary Assistants to the District Medical and Sanitary Officers was less than 2 per cent. in Chingleput, Guntur and Madura and less than 1 per cent. in Gódvári, North Arcot and Tanjore, while in South Arcot no verification at all appears to have been done by the Sanitary Assistant. The Presidents of the District Boards concerned are requested to report why the work done by Sanitary Assistants in this direction was so insignificant, the supervision and verification of vaccine operations being one of the chief objects for

which their appointment was sanctioned. Orders will issue in the Revenue Department regarding the suggestion made by the Inspector of Vaccination in paragraph 4 (c) of the report that the loose sheets embodying the revised form of register of unprotected children should be issued to the village officers bound together in book form.

8. With the exception of the Corporation of Madras, all District Boards and Municipalities in the Presidency obtained their supply of lymph from the King Institute, but in Madras City although lymph was obtained there for a part of the year, the Corporation decided towards the close of the year to revert to the old system of calf-to-arm vaccination. In a few Municipalities small supplies of lymph were obtained on special emergencies from the Vaccine Institute at Bangalore. The average reported percentage of success for the year with the lymph supplied by the King Institute was 92.9 or virtually the same as in the previous year. The preserved lymph despatched from the Institute was in the form of lanoline paste, but glycerinated lymph for about 12,000 cases was supplied to the districts of Godavari and Kistna. As the Inspector of Vaccination declares that the rate of success with lymph of this kind was practically a failure, District Boards and Municipalities are advised not to make use of it for the future.

9. The Governor in Council notes with satisfaction the improvements which have been introduced by Captain Christophers, I.M.S., in the working of the Vaccine section of the King Institute. The Governor in Council is glad to note that the Inspector of Vaccination, Captain Justice, I.M.S., made the best use of the limited time at his disposal for inspection work.

(True Extract.)

H. D. TAYLOR,
Ag. Secretary to Government.

To the Sanitary Commissioner.
.. the Sanitary Engineer.
.. the Surgeon-General.
.. the Public Department.
.. the Judicial Department.
.. the Revenue Department.
.. the Assistant Adjutant-General, 9th (Secunderabad) Division (with C.L.).
.. the Director of Public Instruction.
.. the Accountant-General.
.. the President, Corporation of Madras.
.. all Collectors.
.. all Presidents, District Boards.
.. All Chairmen, Municipal Councils.
Editors' Table.

Endorsement—No. 1045 L., dated 29th July 1907.

Copy to the Government of India, Home Department.

H. D. TAYLOR,
Ag. Secretary to Government.