

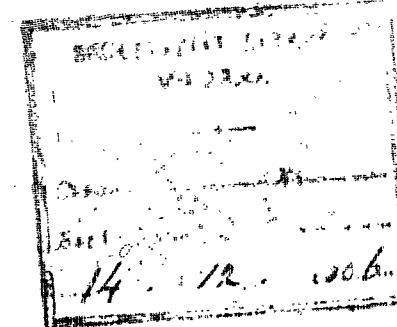
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Report on Institute of Preventive
Medicine - Vaccination 1905-06

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THE WORK
OF THE
KING INSTITUTE OF PREVENTIVE MEDICINE, 28793
MADRAS,
AND
REPORT ON VACCINATION
IN
THE MADRAS PRESIDENCY
FOR THE YEAR
1905-1906.

MADRAS:
PRINTED BY THE SUPERINTENDENT, GOVERNMENT PRESE.

1906.

OFFICE OF SANITARY COMMISSIONER,
MADRAS, 2nd July 1906.

No. 1440
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 of the King Institute of Preventive Medicine, Guindy, on the work of the King Institute and of the Inspector of Vaccination and Deputy Sanitary Commissioner on the progress of vaccination in the Presidency during the past official year. The reports call for no special remarks.

2. Captain Christophers's Report on the work of the King Institute of Preventive Medicine is full and interesting. The question of finding grazing ground for the Institute cattle and the best means of disposing of the finished calves is under consideration. The opening of the forest reserve in the Chingleput district for the grazing of the done calves will afford considerable relief, but the financial terms imposed by the Forest Department would throw a burden upon the Institute that might well be saved to it.

3. Much useful work was done in the Bacteriological Section; and there can be no doubt that, if greater facility were afforded by the provision of residential quarters for officers wishing to undertake research work, the laboratory would be more largely availed of; the absence of such accommodation is a serious drawback to the Institute. The appointment of an additional Medical officer will afford much needed relief to the Superintendent.

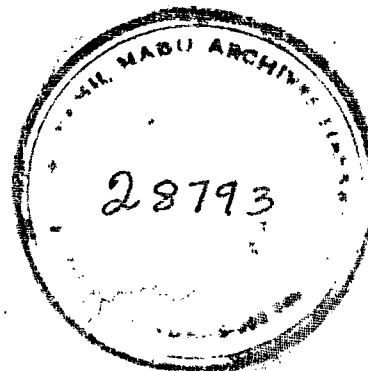
4. It was not possible to start work at the Serum Section, as this Section has not been provided with a Cooling Apparatus.

5. Captain Justice reports that the quality of the vaccination work during 1905-1906, as compared with that of 1904-1905, has improved. This result is due to the experience gained by vaccinators in the use of lanoline vaccine supplied by the King Institute. I feel assured that, as time advances and vaccinators acquire greater experience and facility in handling this form of preserved vaccine, much better results will be secured. During the year the sanction of Government was received for the working of the Trial Scheme (Compulsory Vaccination and Registration) in the districts of Chingleput, South Arcot, Madam and North Arcot. The bringing into operation of the scheme in these districts is being arranged for.

6. This Presidency still suffers from the disability of not having a whole time Inspector of Vaccination and Deputy Sanitary Commissioner. The importance of having a full time officer cannot be overstated as was proved by a recent inspection carried out by him of the work of the vaccination staff in certain backward districts. Secure in the belief that inspection of their work was a remote contingency the

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S. S. CHANDRASEKHARAN
* செப்பனிடும் தற்காக எடுத்தது *
* கொள்ளப்பட்ட *
* ஜனரி மாதம் 29 வரும் *
* செப்பனிடும் முடிந்த *
* மார்ச் மாதம் 29 வரும் *
* 1906 *
* ஆராய்ச்சி உதவியாளன் *
* கையொப்பம் *

staff apparently performed their duty pretty much as they pleased as disclosed by the report submitted by the Inspector of Vaccination. I am of opinion that nothing short of frequent inspections by a superior officer can secure good honest work from this class of subordinates.

I have the honour to be,
Sir,

Your most obedient servant,

H. THOMSON, Lieut.-Col., I.M.S.,
Sanitary Commissioner for Madras.

ANNUAL REPORT ON THE WORK OF THE KING INSTITUTE
OF PREVENTIVE MEDICINE FOR THE YEAR ENDING
31ST MARCH 1906.

THE VACCINE SECTION.

1. The total amount of vaccine despatched during the year has been sufficient for 1,633,250 cases, 154,802 cases more than were supplied last year. Of this amount vaccine for 1,401,409 cases was supplied to District Board vaccinators throughout the Presidency, 1,225,744 cases being the regular supply stipulated for by the districts, and 175,665 cases vaccine sent in answer to extra indents from vaccinators. Vaccine for 126,856 cases has been supplied to different Municipalities, 59,083 cases to Agency vaccinators, 16,818 cases to Government officers including Jails and Police, 6,336 cases to the Military Department, and 22,748 to various private persons.

2. During the year the supply of every District and Municipality in the Presidency, except Madras City, has been met by the Institute.

3. The total net cost of production, including Establishment charges and repairs of buildings, was Rs. 41,364-3-3 and the cost per case 4.9313 pies as against 4.1661 pies last year—*cide* Statements A and B.

4. The increased cost of production was more than accounted for by increased expenditure for fodder and a diminished yield of vaccine during the months of June to September, following want of rain in the Chingleput district. The difficulty in producing vaccine during these months also led to shortage in supply, which however was, with the consent of the Local Bodies, afterwards almost entirely made good by a proportionate additional supply to vaccinators during the latter portion of the year.

Though disastrous at the time, this very unfavourable season served to point out very clearly in what direction efforts to ensure constant production of vaccine on a large scale in India should proceed. It was seen that failure of vaccine production went hand in hand with a poor state of nutrition in the calves. During the hot weather calves from the district are in a state of physiological poverty with the hard dry skin characteristic of poor nutrition. The ability to counteract these conditions, by grazing, green food, freedom of movement and so on, practically determines the success of manufacture. The experience of the year, in short, has shown that, to be successful, a Vaccine Institute must, in a country like India, be prepared to undertake many operations of a distinctly agricultural kind. Above all first-class grazing must be arranged for, and maintained at any cost throughout the dry season.

Once these facts were realised every possible preparation was made in the later months of the year to minimise the effects of the next hot season when it should come. Portions of the Institute grounds along the river bank, which had hitherto lain waste, were put under cultivation for the production of lucerne, cholam and other green food. Other portions were converted, as far as possible, into meadow land, and artificially irrigated, so that the calves, while waiting their turn for inoculation, might be under conditions most calculated to ensure in them a fit state of nutrition.

Although the arrangements were short of what one would desire, the result up to the time of writing this report has exceeded the most sanguine expectations, and the present hot weather, 1906, is the first in which the manufacture of vaccine has not been on the point of breaking down.

5. Vaccine has, in the main, been sent out in the form of lanoline vaccine paste, 27 millegrammes of which have been allowed per case, this quantity having been found by experiment and the experience of the great majority of vaccinators to be sufficient.

6. The limited amount of glycerinated paste issued has not, under the conditions of transit, etc., given so good results as the lanolated paste.

7. The success rate of the year, as shown by returns to the Institute, has been higher than in the previous year reaching 92.8 per cent. as against 91.21 per cent. last year. It varied during the different months from 85 per cent. to 97 per cent., the worst returns being received from May to August inclusive. In January the success rate of 104,871 cases from all parts of the Presidency was 97 per cent. The success rates in different districts varied from 84 per cent. to 99.3 per cent. The lowest returns were received from Gódvári, Coimbatore and Vizagapatam—*vide* Statements C, D and E.

Out of 105,667 cases supplied to Malabar 99.3 per cent. were successful.

8. The maintaining of the records from which these figures are obtained, and correspondence entailed, has been an important and heavy item in the work of the office. It is, however, very necessary for it not only enables the quality of the vaccine to be watched, but it tends very largely to check certain faults of the vaccinators, which tell unfairly against the quality of vaccine issued. One of the most prevalent of these faults is the custom of keeping paste over till it suits the convenience of the vaccinators to use it. This delay in the use of the paste has been systematically fought against by insisting, by every possible means, on prompt submission of returns. Paste returned for any reason by vaccinators has been in every case tested upon a calf, and in spite of having performed a double journey it has in most cases given very good results—*vide* Statement F.

9. Where paste has been returned by vaccinators without sufficient cause, the Local Body concerned has always been notified of the circumstance.

10. The number of calves utilised has been 3,501, or an average of 292 per month. The supply of calves, which had last year, and in the beginning of the present year, caused much anxiety, has latterly much improved, contractors having made better arrangements for their purchase. A better quality of calf has also been supplied. The sale of done calves, on the other hand, has become increasingly more difficult, necessitating the trainage of many of these to distant parts for sale.

11. In March 1906 Assistant Surgeon H. C. Jackson took up the duties of Deputy Superintendent. The effect of his zeal and ability has added greatly to the success of the latter months of the year.

THE BACTERIOLOGICAL SECTION.

12. The number of specimens received for report during the year has been 781, as compared with 600 during 1904-1905.

The increased extent to which the Presidency has availed itself of the laboratory is in reality greater than these figures would suggest, since plague specimens from Madras City, which last year numbered over 100, are now examined in the Municipal laboratory by the Special Plague staff.

The specimens received were—314 specimens for report as to the presence or absence of the plague bacillus, of which 26 were from suspected buboes, 54 of blood, 15 of smears of liver or spleen in fatal cases, 29 of sputa of suspected pneumonic plague, and 190 of smears or other material from suspected plague rats; 163 specimens for report as to the presence or absence of the malarial parasite; 29 specimens for the detection of the tubercle bacillus, several of which in important cases were tested by the inoculation of the suspected material into guinea pigs; 39 specimens of blood for Widal's reaction; 15 specimens from suspected cholera cases and 10 of dogs suspected to be rabid. In most of the latter cases, in addition to a *post mortem* examination of the dog, a rabbit was inoculated with material from the brain. Tumours and other pathological tissues for sectioning and report numbered 74. In the case of tumours, a mounted section has in each case been forwarded to the officer who sent the specimen. Other material of a miscellaneous nature has included specimens of blood for differential counts of the leucocytes, or the detection of the Leishman-Donovan Body or other protozoal parasites, specimens of pus for examination for the tetanus bacillus, gonococci, or other organisms, specimens of mosquitoes, ticks, and worms, for identification and others.

In connection with plague specimens printed slips, giving directions regarding the interpretation of results, have latterly been forwarded with every report recording absence of the plague bacillus.

13. Stains and materials necessary for diagnosis or research have, as hitherto, been supplied to officers asking for them, the actual expenses of materials being recovered. Sterile apparatus, consisting of petri dishes, agar tubes, and pipettes, has been sent to several officers. A large number of special sterile bottles for the collection of water samples have also been prepared and sent out.

14. With the increased efficiency of the laboratory staff, it has been possible to examine much more systematically and thoroughly samples of water sent in. During the year, 69 samples of water, from various sources, have been examined and reported upon. The examination in each case has consisted in a microscopical scrutiny of the total sediment obtained by filtration through sand (Rideal-Walker method), the enumeration of organisms per c.c., the quantitative estimation of *bacillus coli communis*, and the testing for *bacillus sporogenes enteritidis* by the milk test performed upon 100 c.c. of the sample. The method of performing the sporogenes test has been to use four large test tubes, each taking, in addition to the milk, 25 c.c. of the sample. These are heated to 80° c. for twenty minutes in a large model of Balfour Stewart's apparatus, and incubated anaerobically in a Bullock's apparatus. The absence of *b. sporogenes enteritidis* in 100 c.c. of the sample has been taken as evidence of freedom from pollution, and this decision has always been upheld by the microscopic examination of the sediment, and the estimation of *b. coli communis*. The significance of the presence of *b. sporogenes enteritidis* is less obvious. At present too little is known of the bacteriological conditions of Indian waters to enable one to estimate the value of this test when positive.

In order to ensure absolute sterility of the bottle used for collection, special sterile bottles are now prepared, and sent to officers who may require to send samples for bacteriological examination. A circular has also been issued through the Sanitary Commissioner requesting that certain procedure be adopted when sending samples for examination.

In connection with the Sanitary Engineer to Government, a series of special examinations has been undertaken on representative samples from the water-supply systems of a number of Presidency towns. It is intended, eventually, to examine bacteriologically all the chief water-supplies in the Presidency. Up to the present the water-supplies of five towns, namely, Madras, Conjeevaram, Dindigul, Trichinopoly and Tanjore have been examined and reported upon.

A number of samples of water have been received from Jails and from the Military authorities.

Most of the samples that have been received show the presence of *b. sporogenes enteritidis* and *b. coli communis* in small quantities of water. Such samples one must conclude are polluted, but whether they may not often be, for India, comparatively good water, can be decided only by experience. It is certain that a well, into which buckets and chatties are dipped, will, with the delicate bacteriological tests employed, show pollution, however free such water may be from gross pollution by sewage. To ensure the proper interpretation of results of a bacteriological examination, officers have been requested, in the circular referred to, to state always the nature of the source of water, and the particular points a bacteriological examination is required to determine.

As the delicacy of the bacteriological tests makes them not very suitable for estimating the comparative purity of polluted waters, the examination of the total sediment has been very largely used. This method serves to pick out very clearly cases of gross and dangerous pollution.

15. In connection with plague, further experiments on rats from Madras and the Nilgiris have been undertaken with Danyz virus freshly obtained from Europe. The experiments have throughout given negative results.

At the request of the Special Plague Officer, Madras, the poisonous dose of Commonsense Rat Exterminator was ascertained for dogs and the result communicated to him.

The properties as a disinfectant power of samples of cyllin, received through the Sanitary Commissioner, from the Government of Madras, have been compared with those of carbolic acid and perchloride of mercury, and a report upon the subject duly submitted.

16. In August 1905, at the request of the Sanitary Commissioner, an investigation was made upon an outbreak of what appeared to be cholera in Madras. The reason for investigation was that the cases seen presented none of the typical appearances of cholera. The cases which had been segregated in the hospitals certainly showed none of the usual symptoms of cholera. Close enquiry, however, elicited the fact that all these cases had been collected from among the very poorest class of native, and that these rarely reached the hospital till after the first 24 or even 48 hours of their illness. To encounter the disease in its early stages, cases were traced, with the help of the Health Officer, in the town itself. Once the disease was met with within the first 12 or 24 hours of its onset, no difficulty in arriving at a diagnosis was possible. Not only were all the classical symptoms of cholera present, but the vibrio of cholera was isolated with ease from the stools. The interest of the investigation lies in the fact that, under certain conditions, a disease so well known as cholera should present itself so that it was scarcely recognisable. The conditions here were the occurrence of the disease among destitute and probably half starved coolies, and the train of circumstances which led to patients being seen only late in the disease. Later on, when the cholera spread among better class individuals, I saw in the hospitals many typical cases, which, if they had arrived earlier, would have left no doubt, in the minds of those who saw them, that the disease was cholera.

17. Several Medical officers have made use of the laboratories for research or instruction. Captain Patton, I.M.S., under orders of the Government of India has been attached to the King Institute for a period of six months, extended later to ten months, to undergo training in methods of research. Captain Lauder, R.A.M.C., attended the laboratory whilst on leave for a period of one month, to make himself familiar with microscopic methods. During this officer's stay it was discovered that a large proportion of the mosquitoes about Madras, (*C. fatigans*), are infected with flagellate parasites (*herpetomonas*), which can be traced from the gut of the larva, through the pupa, to the adult. Lieutenant Harris, I.M.S., is at present working in the laboratory on the abovementioned flagellates and other parasites of mosquitoes. Mr. I. E. A. D'Cruz, Executive Engineer, Mysore City, spent ten days, whilst he was on leave, in the laboratory, making himself familiar with the methods employed in the bacteriological examination of water and Hospital Assistant K. Damodar Kulbarni from Maharaja Tukojira Hospital, Indore, a month's privilege leave in learning laboratory methods. Captain Cornwall, I.M.S., has also latterly made use of the laboratory in some researches upon the filtration of vaccine.

18. Of research work that of Captain Patton, I.M.S., on *Kala Azar* and my own on *piroplasma* have engaged most attention. Captain Patton after a long series of difficult feeding experiments has been able to show that, contrary to what has been generally presumed, the Leishman-Donovan Body can and does reach the gut of bloodsucking insects, which have fed on cases of the disease. He has also shown that in the bug development of the bodies can go so far as the flagellate stage, and be recovered from the gut several days after the insect has fed. These discoveries point very strongly indeed to the bug as the carrier of this important disease, and final proof will probably soon be forthcoming. During the period of his deputation, Captain Patton has also worked upon a new haemogregarine (*L. funambuli*), which he has discovered in the mononuclear leucocytes of the squirrel. A memoir upon the parasite in question is on the point of publication. In addition to the haemogregarine of the squirrel, Captain Patton has also discovered a new haemogregarine in native cats, which he has named *Leucocytozoon felis*. My own researches have been directed, in the main, to the study of ticks and the piroplasmoses, a subject upon which practically nothing has been done in India. Although the main object of the research, which was the discovery in the tick of the developmental forms of piroplasma, has not yet been attained, this work has

resulted in the collection of much collateral information new to science, and will form the foundation of a future memoir. Another subject investigated has been the haemogregarine of the dog, *Leucocytozoon canis*, which has been found to occur in the native dogs of Madras. The result of this research has been, among other matters, the discovery of the vermicle stage, and the encysted reproductive form of the parasite. A memoir on the subject is in process of publication. In addition to *piroplasma canis* in the dog and the large and small form of piroplasma in cattle, a minute form has been discovered in the sheep. It is intended to ascertain more of this parasite later.

A species of louse from the field rat (*Gerbillus indicus*) has been found to be new to science and has been named by Professor Newstead of Liverpool and myself *haematopinus stephensi*.

Ticks, fed in the laboratory on dogs infected with piroplasma, which were taken home by Captain James, I.M.S., have given rise to infection in a dog at the London School of Tropical Medicine. This result is interesting since it concerns quite another species of tick to the South African species with which a similar result has lately been obtained by Nuttal and Lounsbury.

19. A course of minor Sanitary Engineering has been held at the Institute by Mr. H. Nowroji, the Assistant Sanitary Engineer to Government, and has been attended by over 100 students, many of whom have come from Mysore and distant parts of the Presidency. Lectures and practical instruction in human and animal vaccination, and an elementary course of lectures on bacteriology (asepsis), have been given by the Superintendent.

20. A separate report on the Experimental Sewage Farm is being submitted.

THE SERUM SECTION.

21. This section has not yet been opened.

S. R. CHRISTOPHERS, Capt., I.M.S.,
Superintendent.

OFFICE OF THE KING INSTITUTE
OF PREVENTIVE MEDICINE,
GUINDY, 15th June 1906.

தமிழ்நாடு ஆவணக் காப்பகம்
(ஆராய்ச்சிக் கூடம்)

ஆவணங்களுக்கான கோரிக்கை.

STATEMENT A.

Statement showing the Expenditure incurred during the year 1905-1906 under all heads of Expenditure of the Vaccine Section of the King Institute of Preventive Medicine.

Heads of account.	Expenditure incurred.		
	Rs.	A.	P.
Establishment Charges.			
Deputy Superintendent	1,522	8	9
Assistant Superintendents, clerks and servants	9,191	12	2
Travelling allowance of the establishment	167	10	0
House-rent allowance	46	2	1
	10,928	1	0
Supplies and services and contingencies.			
Petty works of construction	326	1	6
Purchase of apparatus	104	13	5
Cost of boxes and receptacles for despatch of paste to vaccinators.	22	13	0
Cost of calves	27,047	4	5
Feeding charges of calves	6,103	10	2
Water works	746	8	10
Gas works	204	8	5
Purchase of furniture	68	9	3
Repairs of water works	143	1	3
Petty repairs to buildings	94	6	7
Repairs to furniture	37	12	0
Tour charges	38	6	3
Hot and cold weather charges	4	0	0
Postage charges	1,521	12	0
Telegraph charges	31	11	0
Office expenses	124	11	1
Miscellaneous charges	1,007	13	11
Total supplies, services and contingencies	37,617	15	1
Grand Total, Vaccine Section	48,546	0	1
Add—Book charges for mops supplied from the Penitentiary, Madras, in 1904-1905	2	4	0
Grand Total	48,548	4	1

STATEMENT B.

Statement showing the net Expenditure incurred during the year 1905-1906 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	48,548	4	1			
Deduct—						
(1) Credits under "sale of calves" and "miscellaneous receipts" remitted to the treasury.	5,999	4	2			
(2) Amount to be recovered from private bodies for the supply of vaccine sufficient for 22,748 cases at 10 pies per case.	1,184	12	8	7,184	0	10
Net Rupees				41,364	4	3

STATEMENT C.

Returns recorded in the King Institute from the whole of the Madras Presidency classified according to the Month of the year.

Months.	Number successful.	Number unsuccessful.	Percentage of success.
1905.			
April	93,815	9,930	90
May	45,643	7,930	85
June	19,657	2,905	90
July	65,733	9,156	88
August	55,782	7,572	88
September	26,488	2,405	92
October	60,358	4,678	93
November	83,801	5,800	94
December	104,555	6,719	94
1906.			
January	104,871	3,624	97
February	107,951	3,832	96
March	111,175	4,238	96
Total	879,529	68,258	92.8

STATEMENT D.

Returns recorded in the King Institute from the Malabar district classified according to the month of the year.

Months.	Total successful.	Total unsuccessful.	Percentage of success.
1905.			
April	8,192	226	97
May	6,690	153	98
June	2,189	47	98
July	12,815	286	98
August	5,195	210	96
September	2,264	62	97
October	5,986	72	99
November	10,402	183	98
December	13,066	188	99
1906.			
January	11,140	113	99
February	12,365	109	99
March	13,146	98	99
Total	103,990	1,687	99.3

STATEMENT E.

Returns recorded in the King Institute from the whole of the Madras Presidency
classified according to Districts.

Districts.	Total number successful.	Total unsuccessful.	Percentage of success.
Anantapur	23,631	776	97
Bellary	23,051	837	96
Chingleput	23,607	1,383	95
Coimbatore	42,664	7,095	86
Cuddapah	31,065	3,239	91
Ganjām	54,683	5,209	91
Gōdāvari	35,844	6,970	84
Guntūr	33,152	3,753	90
Kistna	42,121	4,011	91
Kurnool	23,753	1,850	91
Malabar	103,990	1,687	99
Madras	74,424	2,843	96
Nellore	27,359	3,382	89
Nilgiris	3,283	34	99
North Arcot	29,422	1,257	96
Salem	43,086	2,977	94
South Arcot	44,121	2,361	95
South Canara	28,107	1,560	95
Tanjore	48,767	2,578	95
Tinnevely	52,454	4,536	92
Trichinopoly	40,718	3,222	92
Vizagapatam	44,241	6,663	87
Total ...	879,529	68,258	92.8

STATEMENT F.

Statement showing the results of Inoculation with paste returned from Vaccinators during the
year 1905-1906.

Total number of paste boxes returned.	Total number experimented.	Results of experiments.			
		Percentage of success from 80-100.	Percentage of success from 60-80.	Percentage of success below 60.	Number failed.
517	355	250	28	50	27

STATEMENT G.

Statement showing the Expenditure incurred under Bacteriological Section of the King Institute
of Preventive Medicine, Guindy, for the year 1905-1906.

Head of account.	Amount.
	Rs. A. P.
Pay of the Provincial Health Officer and Superintendent	9,821 12 5
Exchange compensation allowance	613 14 0
Pay of the establishment	2,509 1 2
Extension of gas works to the second laboratory and bacteriologist's residence	650 0 0
Stores for manufacture of gas	1,144 8 9
Stores for water works	248 2 11
Purchase of scientific apparatus and material	4,222 8 2
Purchase of apparatus and material (recurring)	1,551 4 7
Repairs and contingencies for sewage filtration	61 14 7
Purchase of furniture and fittings	1,412 11 7
Purchase of books	186 8 0
Petty repairs to buildings	105 5 7
Repairs to furniture	78 4 6
Tour charges	103 6 3
Hot and cold weather charges	5 0 0
Repairs to water-supply works	52 11 1
Repairs to gas works	114 15 4
Postage charges	237 13 0
Telegraph charges	25 13 0
Office expenses	57 2 6
Miscellaneous	693 7 3
Total ...	23,905 5 8

REPORT ON VACCINATION IN THE MADRAS PRESIDENCY. FOR THE YEAR 1905-1906.

From Captain Wm. A. JUSTICE, I.M.S., Acting Inspector of Vaccination and Deputy Sanitary Commissioner for Madras, to the Sanitary Commissioner for Madras, dated 22nd June 1906, No. 1299(a)-V.

I have the honour to submit the annual report on vaccination in the Madras Presidency for the official year 1905-1906.

2. The post of Inspector of Vaccination and Deputy Sanitary Commissioner was held by Captain F. F. Elwes, I.M.S., from 1st April to 6th December 1905, and by Captain J. W. Cornwall, I.M.S., from 7th December 1905 to 15th April 1906. Since the 15th April 1906 the post has been held by me.

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.				
1904-1905	25	8	* 32	284	445	144	873
1905-1906	26	7	* 33	288	456	143	887

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

4. (a) An additional range (Bāpatla) has been constituted in the Guntūr district and a Deputy Inspector of Vaccination has been posted to it under G.O., No. 1229 L., Mis., dated 30th October 1905.

(b) Under G.O., No. 318, Financial, dated 17th April 1905, the appointments of Deputy Inspectors of Vaccination have been treated as graded ones, the 1st grade on Rs. 70, the 2nd on Rs. 60 and the 3rd grade on Rs. 40.

(c) Under G.O., No. 122 L., dated 5th February 1906, Deputy Inspectors of Vaccination have been required to prepare a single copy of the weekly diary and forward the same to the Sanitary Commissioner through the District Medical and Sanitary Officer and the President, District Board. These officers transmit the diaries with their remarks. The attention of the Presidents, District Boards, might be drawn to the assistance which their endorsements afford this office. Not only are they better able to give an opinion on the work turned out by the Deputy Inspectors of Vaccination, but also the amount he is really capable of doing in their districts. I should like also to invite the attention of these officers to the inanities which sometimes issue under the signature of their Vice-Presidents. Under the same Government Order the programme of the Deputy Inspectors of Vaccination is published in the District Gazette and the Gazette sheet is forwarded to this office.

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

	1904-1905.	1905-1906.
Primary and secondary vaccination ...	1,406,989	1,357,745
Re-vaccination ...	76,289	107,245
Total ...	1,483,278	1,464,990

The decrease in the total number of operations as compared with the previous year is accounted for by the short supply of paste from the King Institute of Preventive Medicine, Guindy, and absence of vaccinators without substitutes.

6. The districts which show the largest increase are Salem (8,930), Madura (7,600), Malabar (6,419), Anantapur (4,821), Tanjore (3,405), Chingleput (3,348), Kistna (2,429) and South Canara (1,380).

Eleven districts show the largest decrease, viz., Tinnevely (16,318), Guntūr (9,688), Gódvāri (9,519), Vizagapatam (6,459), North Arcot (5,729), Ganjām (5,559), Nellore (5,399), South Arcot (5,131), Kurnool (3,630), Trichinopoly (3,536) and Coimbatore (1,895).

The explanations of decrease, as submitted by the Deputy Inspectors concerned, are given below :—

Tinnevely.—Short supply of paste, reduction in the staff of vaccinators, and non-maintenance of unprotected lists in many zamin villages.

Guntūr.—Insufficient supply of paste.

Gódvāri.—Short supply of paste, absence of vaccinators without substitutes, reduction in the minima fixed for vaccinators caused by the rearrangement of the ranges.

Vizagapatam.—Short supply of lymph, want of aid from the village officers.

North Arcot.—Short supply of paste.

Ganjām.—Insufficient supply of vaccine and absence of vaccinators without substitutes.

Nellore.—Short supply of paste.

South Arcot.—Short supply of paste, absence of vaccinators without substitutes.

Kurnool.—Reduction of the vaccinators' minima.

Trichinopoly.—Short supply of paste.

Coimbatore.—Insufficient supply of paste, absence of vaccinators without substitutes.

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.	
	1904-1905.		1905-1906.			
	Primary and secondary vaccinations.	Re-vaccination.	Primary and secondary vaccinations.	Re-vaccination.	1904-1905.	1905-1906.
1	2	3	4	5	6	7
Local Fund vaccinators	1,039,929	18,410	1,081,374	29,548	1,058,339	1,110,922
Government do.	24,797	1,631	18,054	1,054	26,423	19,108
Zamindari do.	10,385	504	3,989	204	10,889	4,193
Municipal do.	103,242	21,915	110,989	32,442	125,157	143,431
Cantonment do.	4,602	644	4,892	1,417	5,246	6,309
Dispensaries do.	7,014	2,236	1,024	491	9,250	1,515
Medical subordinates	1,834	5,574	2,280	8,554	7,408	10,834
Total	1,191,803	50,914	1,222,602	73,710	1,242,717	1,296,312

Establishment—cont.	Ratio per cent. of successful cases.				Ratio per cent. of total successful cases.	
	1904-1905.		1905-1906.			
	Primary and secondary vaccinations.	Re-vaccination.	Primary and secondary vaccinations.	Re-vaccination.	1904-1905.	1905-1906.
	8	9	10	11		
Local Fund vaccinators	...	...	...	...	...	...
Government do.	...	...	...	...	...	...
Zamindari do.	...	...	...	...	...	...
Municipal do.	...	...	...	...	...	...
Cantonment do.	...	...	...	...	...	...
Dispensaries do.	...	...	...	...	...	...
Medical subordinates	...	...	...	...	...	...
Total	...	...	...	...	...	...

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

Though there has been an increase on the whole in the total number of successful operations during the year, there has been a fall in the work turned out in the Government and the zamindari areas and in dispensaries. The former is due to the inclusion of the Jeypore range in the Local Fund area and the latter is accounted for by the fact that vaccine operations have not been performed in dispensaries by the medical subordinates after the issue of G.O., No. 1091 L., dated 29th July 1905.

8. The following districts show the largest increase in infantile vaccination when compared with the previous year:—Anantapur (11.4), Kistna (8.4), Chingleput (5.8) and Cuddapah (5.2). The districts which show the largest decrease are Guntūr (4.6), Kurnool (3.8), Coimbatore (3.4) and Tinnevely (3.1).

9. As regards municipalities, 34 towns secured a ratio of 75 per cent. and upwards against 33 in the previous year. The towns showing a substantial increase are Anantapur (40.0), Vizianagram (35.7), Madura (24.7), Bellary (23.4) and Bimlipatam (21.4).

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.	
	1904-1905.	1905-1906.	1904-1905.	1905-1906.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Government establishment ...	9,425 1 3	6,872 10 4	0 5 8	0 5 9
Local Fund do. ...	2,19,197 4 11	2,41,140 5 2	0 3 3	0 3 6
Municipal do. ...	33,246 6 9	34,562 2 4	0 4 3	0 3 10
Zamindari do. ...	1,871 9 8	867 1 0	0 2 9	0 3 4
Cantonment do. ...	2,222 5 10	2,389 2 0	0 6 9	0 6 0
Total ...	*2,64,962 12 5	*2,85,831 4 10	0 3 5	0 3 7

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

11. 167,531 operations were performed in the municipalities during the year against 145,153 in the preceding year. The towns which show a marked decrease are Ellore (1,561), Cochin (582) and Calicut (209).

The municipalities that show an increase are Madras (14,689), Bellary (2,247), Negapatam (1,995), Coimbatore (1,264), Madura (594), Salem (507), Vizianagram (426), Nellore (395), Dindigul (320), Erode (268) and Cuddapah (250).

12. Compulsory vaccination has been introduced into 51 unions during the year. In some places where it is compulsory it is carried out in a half hearted manner. To maintain their popularity municipalities refrain from serving notices and magistrates in interpreting the provisions of the law are so ridiculously lenient that the fines inflicted are willingly paid by the parents. There is much room for improvement under this system. The correct maintenance of the birth and death registers and the unprotected list are of first importance. A defaulter's register ought to be kept up from year to year continuously. The number of cases entered under "left the town" should be more carefully scrutinized, as in my opinion many parents seek temporary shelter in a neighbouring village with no other object than that of escaping vaccination. In unions where vaccination is compulsory, the registration of births and deaths should likewise be compulsory.

18

VACCINATION REPORT.

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.
1,195,089 ...	Local Fund ...	Lanoline lymph ...	Supplied by the King Institute of Preventive Medicine.	92.3
90,243 ...	Municipalities ...	Do. ...	Do. do.	95.6
583 ...	Do. ...	Do. ...	Supplied by the Bangalore Institute.	96.7
* 10,368 ...	Do. ...	Glycerinated lymph ...	Locally prepared ...	99.4

* Includes cases in Madras City.

The lanoline paste from the King Institute of Preventive Medicine has been used in all the Local Fund districts. The percentage of success obtained in the Local Fund areas is 92.3 against 86.6 in the previous year. From the following table it will be seen that there is a marked improvement in all the districts. A Deputy Inspector of Vaccination was specially deputed to give instruction in the use of lanoline paste in some of the more backward districts. The vaccinators have now become more familiar with the use of lanoline paste and this in no small degree accounts for the better work turned out during the year compared with the previous year:—

Statement showing the percentage of success in Primary and Secondary Vaccinations with lanoline paste from the King Institute of Preventive Medicine.

Districts.	1904-05.	1905-06.	Districts.	1904-05.	1905-06.
Anantapur ...	85.1	96.2	Nellore ...	83.0	88.4
Bellary ...	94.2	97.5	Nilgiris ...	99.1	99.8
Chingleput ...	90.1	96.2	North Arcot ...	91.9	96.7
Coimbatore ...	78.5	85.3	Salem ...	86.4	92.7
Cuddapah ...	89.7	92.4	South Arcot ...	80.5	95.9
Ganjém ...	90.6	91.3	South Canara ...	83.4	94.7
Górávari ...	78.4	81.2	Tanjore ...	...	95.2
Kistna ...	84.2	87.6	Tinnevely ...	88.7	91.2
Guntúr ...	83.5	88.6	Trichinopoly ...	86.4	90.1
Kurnool ...	90.3	93.9	Vizagapatam ...	79.4	89.2
Madura ...	92.9	95.5			
Malabar ...	97.4	98.2	Total ...	86.6	92.3

14. 20,539 deaths occurred from small-pox against 9,971 last year.

15. The diagrams attached hereto show 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:—Anantapur (46.9), Bellary (41.6), East Coimbatore (49.0), Madura (45.0), Paramagudi (40.2), Tellicherry (42.0), Calicut (32.5), Palghat (42.7) and Jeypore (45.6). The explanations offered by these Deputy Inspectors of Vaccination, with the exception of Calicut Deputy Inspector of Vaccination, are satisfactory. This Deputy Inspector has been asked to submit a further explanation on the matter and he will be dealt with on receipt thereof.

17. The total number on the list of Deputy Inspectors is 61 against 60 last year, an additional Deputy Inspector of Vaccination having been appointed to the Guntúr district. Of these 36 are Certificated Sanitary Inspectors. Two Deputy Inspectors have retired, one was suspended and eight were fined for carelessness.

18. The service books of all Deputy Inspectors of Vaccination have been brought up to date.

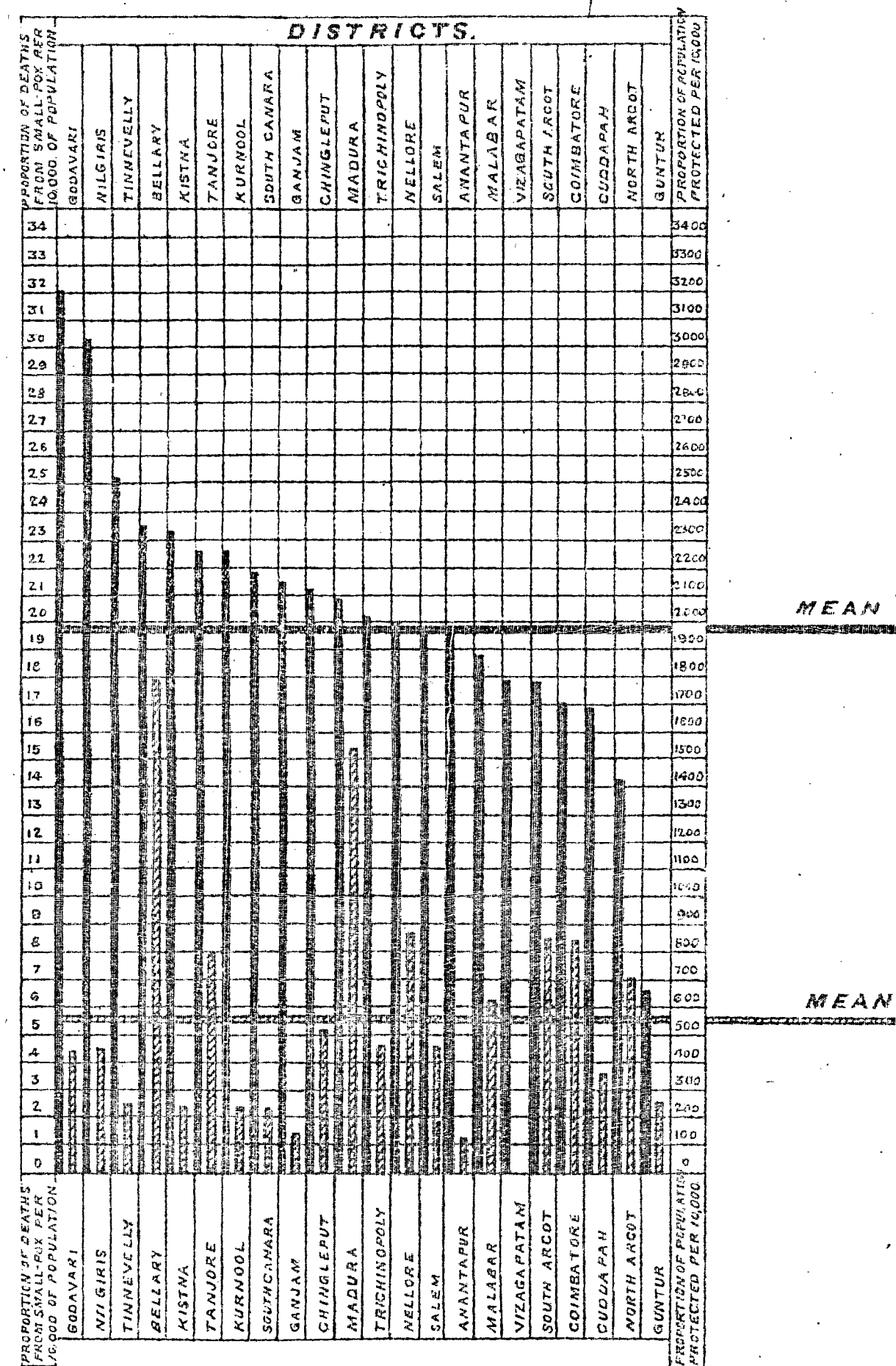
I have the honour to be,

Sir,

Your most obedient servant,

WM. A. JUSTICE, Captain, I.M.S.,

Ag. 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.

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	154,372	141	{ 10	10,025	8,846	18,871	1,887	18,153	7,495	
2		Penakonda do.	325,044			{ 7	6,639	6,164	12,803	1,829	12,640	4,692
3		Total of district	780,316			17	16,664	15,010	31,674	1,663	30,802	12,180
4	Bellary.	Bellary circle	566,793	151	{ 15	10,661	9,752	20,413	1,380	20,177	12,137	
5		Harpanahalli circle	291,758			{ 9	6,050	5,275	11,325	1,258	11,081	6,713
6		Total of district	858,551			24	16,711	15,027	31,738	1,322	31,258	18,850
7	Chingleput.	Chingleput circle	1,255,407	408	{ 14	12,967	12,038	25,005	1,783	22,734	13,387	
8		Saidapet do.	1,255,407			{ 13	11,292	10,347	21,639	1,664	18,880	9,661
9		Total of district	1,255,407			27	24,259	22,385	46,644	1,727	41,714	23,048
10	Coimbatore.	North Coimbatore circle.	588,268	192	11	9,811	9,105	18,916	1,719	18,599	8,212	
11		South do. do.	646,992			10	9,086	8,822	17,908	1,790	17,418	8,227
12		East do. do.	885,114			17	15,468	14,416	29,884	1,758	28,041	10,866
		Total of district	2,120,374	270	38	34,865	32,343	66,708	1,755	64,068	27,305	
13	Cuddapah.	Cuddapah circle	1,274,835	146	{ 12	6,365	5,460	11,825	985	11,710	2,406	
14		Madanapalle do.	1,274,835			{ 17	10,585	9,752	20,337	1,196	19,977	8,414
15		Siddhavattam do.	1,274,835			{ 9	4,875	4,344	9,219	1,024	9,096	2,706
		Total of district	1,274,835	38	21,825	19,556	41,381	1,089	40,784	13,526		
16	Ganjam.	Chatrapur circle	1,948,995	233	{ 12	11,198	10,854	22,052	1,837	21,798	7,178	
17		Chicacole do.	1,948,995			{ 12	8,549	8,733	17,282	1,440	16,501	6,963
18		Ganjam hill tracts	1,948,995			{ 13	8,047	7,427	15,474	1,196	14,441	3,000
19		Russelkonda circle	1,948,995	11	9,216	8,058	17,274	1,570	16,772	3,482		
		Total of district	1,948,995	233	48	37,035	35,142	72,147	1,503	68,910	20,623	
20	Gadchiroli.	Cocanada circle	1,391,457	274	{ 15	16,427	15,334	31,761	2,117	30,888	5,784	
21		Bajamundry circle	1,391,457			{ 10	8,632	8,564	17,256	1,725	17,147	3,515
22		Local Fund vaccinators in agency.	1,391,457			{ 3	1,855	1,797	3,652	1,217	3,543	655
		Total of district	1,391,457	274	28	28,974	25,695	54,669	1,881	51,678	9,954	
23	Kistna.	Killore circle	1,646,886	243	{ 17	17,121	16,825	33,946	1,997	33,405	6,841	
24		Masulipatam circle	1,646,886			{ 22	21,791	21,557	43,348	1,970	42,009	11,508
25		Total of district	1,646,886			38	38,912	38,382	77,294	1,982	76,395	18,349
26	Guntur.	Guntur circle	1,445,938	114	{ 17	14,259	13,665	27,924	1,642	27,521	9,556	
27		Narasaraopet circle	1,445,938			{ 15	12,107	12,036	24,143	1,609	24,086	9,258
28		Bapatla do.	1,445,938			...	...	...	...	...	...	...
		Total of district	1,445,938	...	32	26,366	25,701	52,067	1,627	51,697	18,809	
29	Kurnool.	Gambum circle	863,806	114	{ 12	7,719	5,961	13,700	1,141	12,755	4,970	
30		Kurnool do.	863,806			{ 12	9,398	8,082	17,480	1,452	17,067	7,837
31		Total of district	863,806			24	17,117	14,013	31,130	1,297	29,922	12,807
32	Madura.	Dindigul circle	2,663,074	307	{ 15	13,130	12,139	25,269	1,685	24,124	10,014	
33		Madura do.	2,663,074			{ 17	13,775	12,975	26,750	1,578	26,073	6,997
34		Paramagudi do.	2,663,074			{ 15	15,145	13,704	28,849	1,923	28,016	5,875
35		Tirumangalam circle	2,663,074	12	11,732	11,106	22,838	1,907	22,346	4,672		
		Total of district	2,663,074	307	59	53,632	49,924	103,556	1,753	100,559	27,558	

* Bapatla was newly constituted a circle on 17th March 1906. The figures relating to this circle were included in those of Guntur.

DEPARTMENT.

Madras Presidency during the official year 1905-1906.

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.							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.	Unknown.	Total.	Successful.	Unknown.	16	17	18	19	20	21	22	23	24	25
8,691 6,817	17,504 11,927	137 67	718 154	663 122	5 10		37.1 94.7	93.6 84.7	39.9 36.9	0.7 0.5	0.7 6.4	...	...	...	...
15,508	29,431	204	872	790	15		96.2	92.2	33.7	0.7	1.7	21,173	26.8	261	0.3
6,645 3,632	10,346 10,986	138 8	236 244	187 241	10 1		96.5 99.2	82.7 99.2	34.4 33.4	0.6 0.7	4.2 0.4	...	...	...	...
10,297	30,332	146	480	428	11		97.5	91.3	35.8	0.5	2.3	23,977	33.7	689	0.8
6,455 6,931	21,202 17,465	723 778	2,271 2,659	2,073 2,309	80 167		96.3 96.0	94.6 92.7	34.2	3.1 4.1	3.5 6.2	...	...	...	...
13,386	38,667	1,501	4,930	4,382	247		96.2	93.6	34.2	3.6	5.0	36,999	29.7	502	0.4
5,764 5,865 10,014	14,406 14,357 22,081	1,729 1,112 1,594	317 430 1,843	163 297 963	58 92 246		85.3 88.0 83.4	59.0 74.6 60.3	24.7 22.6 26.0	9.2 6.3 5.6	18.2 18.6 13.3	...	...	...	...
21,643	50,844	4,435	2,650	1,413	386		85.3	62.7	24.6	6.9	14.9	53,042	25.0	759	0.4
6,171 9,232 4,147	10,390 19,315 7,611	243 24 139	115 360 123	94 260 69	4 18 12		90.6 96.8 84.9	84.6 76.0 62.1	29.6	2.0 0.1 1.5	3.4 5.0 9.7	...	...	...	...
19,550	37,316	406	508	423	34		92.4	75.0	29.6	0.9	5.6	30,197	23.6	854	0.7
11,049 7,111 7,792 9,735	19,322 14,634 13,271 14,252	710 657 408 833	251 381 1,103 502	199 296 913 453	22 34 85 19		91.6 90.0 94.5 89.4	86.9 85.3 86.6 93.7	32.4	3.2 3.8 2.8 4.9	8.7 8.9 7.7 3.7	...	...	...	...
35,687	61,479	2,608	2,237	1,861	160		91.3	89.6	32.4	3.7	7.0	61,293	31.4	421	0.2
14,236 8,692 1,511	22,811 12,835 2,504	2,969 1,348 371	873 109 9	330 35 4	147 57 2		81.7 81.2 76.5	45.4 67.3 57.1	28.2	9.6 7.9 10.1	16.8 52.3 22.2	...	...	...	...
24,439	38,150	4,688	991	399	206		81.2	47.0	28.2	9.1	20.8	68,104	31.1	3,122	2.3
15,173 22,585	25,146 38,225	2,455 440	541 388	183 266	115 9		81.2 92.3	42.9 70.2	39.4	7.3 1.0	21.2 2.3	...	...	...	...
38,058	64,371	2,893	929	449	124		87.6	55.8	39.4	3.7	13.3	54,116	26.2	857	0.5
13,910 9,431	24,977 19,926	650 301	403 57	350 37	11 2		92.9 83.7	89.2 67.2	31.3	2.3 1.2	2.7 3.5	...	...	...	...
23,341	44,903	951	460	387	13		83.6	86.6	31.3	1.8	2.8	...	...	35	0.02
5,263 6,923	11,915 15,735	75 316	945 363	863 298	32 17		93.9 83.9	95.0 86.1	33.3	0.5 1.8	3.3 4.6	...	...	...	...
12,186	27,650	391	1,308	1,166	49		83.0	92.6	33.3	1.3	3.7	28,186	32.6	347	0.4
10,147 14,970 17,360 14,489	21,330 24,678 26,595 21,378	855 625 330 345	1,145 677 833 542	745 491 680 423	101 58 40 51		91.6 96.9 96.0 97.1	71.3 79.3 83.2 86.1	36.1	3.5 2.3 1.1 1.5	8.8 8.5 4.8 9.4	...	...	...	...
56,966	93,979	2,155	3,197	2,319	250		95.5	78.7	36.1	2.1	7.8	77,016	28.9	995	0.4

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	
						Males.	Females.	Total.	Average number of persons vaccinated by each vaccinator.	Under 1 year.
1	2	3	4	5	6	7	8	9	10	
31	Malabar.	Tellicherry circle	664,757	451	14	16,289	13,963	30,252	2,159	29,433
32		Calicut do.	1,054,536		19	23,065	18,384	41,449	2,181	40,668
33		Palghat do.	874,862		13	19,785	17,075	36,860	2,835	36,047
		Total of district	2,594,155		46	59,119	49,422	108,541	2,359	106,148
34	Nellore.	Central circle (Kavali).	1,240,775	166	8	6,966	6,479	13,445	1,680	13,270
35		Southern do. (Gudur)			11	8,799	7,652	16,457	1,466	15,285
36		Northern do. (Kanigiri).			10	6,015	5,819	11,834	1,183	11,779
		Total of district	1,240,775		29	21,780	19,956	41,736	1,429	40,334
37	Nilgiris.	Nilgiri circle	84,316	90	4	2,097	1,714	3,811	952	3,695
		Total of district	84,316	90	4	2,097	1,714	3,811	952	3,695
38	North Arcot.	Chittoor circle	695,136	288	13	8,698	8,131	16,829	1,294	15,948
39		Vellore do.	775,035		12	8,967	7,890	16,857	1,363	15,380
40		Karvetnagar do.	647,117		11	6,766	6,258	13,024	1,184	12,469
		Total of district	2,117,288		36	24,481	21,779	46,260	1,283	43,797
41	Salem.	Northern circle	2,103,659	280	11	8,393	8,066	16,459	1,496	15,788
42		Salem do.			17	13,884	13,242	27,126	1,595	23,912
43		Namakkal do.			17	14,419	13,124	27,543	1,620	26,569
		Total of district	2,103,659		45	36,696	34,432	71,128	1,580	66,269
44	South Arcot.	Cuddalore circle	2,260,700	435	16	16,357	14,945	31,302	1,956	30,690
45		Vridhachalam circle			8	7,350	7,538	14,888	1,923	15,312
46		Tiruvannamalai do.			9	10,296	10,018	20,314	2,257	20,198
		Total of district	2,260,700		33	34,003	32,501	66,504	2,030	64,110
47	South Canara.	Northern circle	673,875	271	14	10,977	10,590	21,567	1,540	20,963
48		Kasaragod do.			11	7,966	7,553	15,519	1,410	14,890
		Total of district	1,086,997		25	18,943	18,143	37,086	1,483	35,853
49	Tanjore.	Tanjore circle	2,025,571	550	15	13,764	12,705	26,469	1,764	25,285
50		Negapatam do.			13	14,332	13,854	28,186	2,168	24,801
51		Pattukkottai do.			10	10,238	10,163	20,401	2,040	19,179
		Total of district	2,025,571		38	38,334	36,722	75,056	1,975	69,265
52	Tinnevely.	Srivillipattur circle	599,037	320	9	10,796	10,628	21,424	2,380	21,023
53		Sermadevi do.			10	11,482	10,935	22,417	2,241	22,031
54		Tinnevely do.			12	12,993	12,508	25,499	2,125	25,248
		Total of district	1,925,183		31	35,271	34,069	69,340	2,237	68,303
55	Tribeni.	Trichinopoly circle	812,045	371	13	15,186	15,002	30,188	2,322	29,687
56		Ariyalur do.	504,965	354	10	10,833	10,565	21,398	2,139	20,918
		Total of district	1,317,010	364	23	26,019	25,567	51,586	2,243	50,605

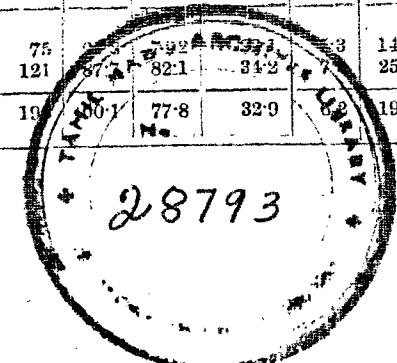
DEPARTMENT.

Madras Presidency during the official year 1905-1906—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
16,863	28,913	217	799	327	23	98.9	42.1	43.9	0.7	2.8	...	...	...	...
17,333	32,218	517	781	421	44	97.6	57.2	37.5	1.2	5.8	...	...	...	...
17,879	35,108	299	813	338	37	99.2	43.5	40.5	0.3	4.5	...	...	...	...
52,075	103,239	1,033	2,393	1,093	106	98.2	47.5	40.2	0.9	4.4	65,085	26.2	1,540	0.6
6,570	11,507	483	175	75	9	96.0	45.1	28.4	3.6	5.1	...	...	...	...
6,782	13,192	588	1,172	785	72	99.8	71.3	28.4	3.6	6.1	...	...	...	...
5,458	9,693	332	55	42	6	84.6	85.7	28.4	2.8	10.9	...	...	...	...
18,310	34,398	1,403	1,402	902	87	83.4	68.6	28.4	3.4	6.2	35,783	24.6	1,028	0.8
2,037	3,686	2	116	89	...	99.8	76.7	44.7	0.05	...	...	...	...	...
2,037	3,686	2	116	89	...	99.8	76.7	44.7	0.05	...	3,569	42.2	36	0.4
8,239	15,213	145	881	689	59	98.3	83.8	22.8	0.9	6.6	...	...	...	...
8,328	14,536	387	977	729	61	96.9	79.5	19.6	2.5	6.2	...	...	...	...
6,903	11,952	151	555	317	59	97.0	63.9	18.9	1.2	10.6	...	...	...	...
23,470	41,701	693	2,413	1,735	179	98.7	77.6	26.5	1.5	7.4	44,007	21.2	1,968	0.9
6,244	15,040	129	671	599	33	98.0	93.8	30.4	0.8	4.9	...	...	...	...
12,657	21,194	824	3,214	2,796	162	98.1	91.6	30.4	3.4	5.0	...	...	...	...
12,530	23,414	642	974	658	131	90.3	78.0	30.4	2.4	13.4	...	...	...	...
31,431	59,948	1,595	4,859	4,053	326	92.7	89.4	30.4	2.4	6.7	59,577	28.3	1,151	0.5
14,307	28,415	1,242	612	451	72	93.4	83.5	27.3	4.0	11.7	...	...	...	...
7,493	13,997	614	76	33	31	95.2	73.3	27.3	4.0	40.7	...	...	...	...
10,310	18,795	422	206	112	37	95.4	66.2	27.3	2.0	17.9	...	...	...	...
32,110	61,209	2,278	894	596	140	95.9	79.0	27.3	3.4	15.6	57,508	25.4	2,002	0.9
12,311	20,033	335	604	341	46	96.1	61.1	30.2	1.5	7.6	...	...	...	...
6,659	13,110	506	629	387	38	91.1	65.4	32.6	3.3	6.0	...	...	...	...
18,070	33,143	841	1,233	728	84	94.7	63.4	31.1	2.3	6.8	33,702	31.0	470	0.4
13,393	23,207	580	1,184	940	88	94.3	85.7	34.2	2.2	7.4	...	...	...	...
13,451	23,571	410	3,885	2,799	207	96.6	88.0	34.2	1.6	6.1	...	...	...	...
9,511	17,798	383	1,222	971	84	94.6	85.3	34.2	1.9	6.8	...	...	...	...
35,355	64,686	1,373	5,791	4,710	379	95.2	87.0	34.2	1.9	6.5	65,780	16.6	1,533	0.7
6,221	18,669	415	401	309	14	90.5	79.8	31.6	1.9	3.4	...	...	...	...
7,752	19,753	416	386	318	23	91.3	87.6	31.6	1.8	5.9	...	...	...	...
8,635	22,938	199	251	203	2	91.5	81.5	30.1	0.7	0.8	...	...	...	...
22,608	61,357	1,080	1,698	830	39	91.2	83.1	32.3	1.5	3.7	70,426	31.3	782	0.4
15,408	25,816	1,563	501	316	75	92.2	82.1	34.2	1.49	...	...	...	...	...
10,322	16,978	1,572	480	295	121	97.7	82.1	34.2	25.2	...	...	...	...	...
23,730	42,789	3,140	981	611	19	90.1	77.8	32.9	19.9	40,124	30.4	1,193	0.1	

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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			
57	Vizagapatam.	Ganapuri circle ...	...	...	5	Males.	Females.	Total.	1,019	4,911	1,000			
		Zamindari vaccinators.	...	...	4	2,645	2,451	5,096				1,143	4,356	625
		Total of hill tracts	...	...	9	5,105	4,562	9,667				1,074	9,267	1,625
		Jeyore circle ...	...	...	15	10,538	9,853	20,391				1,359	20,330	2,004
58	Vizagapatam	Vizagapatam circle ...	...	...	14	13,266	13,127	26,393	1,885	26,024	6,330			
59	Vizagapatam	Government vaccinators (Gudem hills) ...	...	...	1	299	310	609	609	606	70			
60	Vizianagram	Vizianagram circle ...	...	...	23	18,822	18,723	37,545	1,632	36,547	10,711			
		* Total of district ...	2,829,418	165	62	48,030	46,575	94,605	1,528	92,774	20,740			
		Total of circles and districts ...	35,805,691	253	746	659,253	614,058	1,273,311	1,707	1,231,708	380,783			
1	Military Cantonments.	Bangalore ...	89,599	6,929	2	1,041	300	1,341	670	507	421			
2		Secunderabad ...	91,114	4,795	4	3,414	2,668	6,082	1,520	4,534	2,977			
		Total of cantonments ...	180,713	5,660	6	4,455	2,968	7,423	1,237	5,041	3,398			
		* Medical Subordinates.	...	...	...	14,101	474	14,575	...	3,033	11			
1	Municipalities.	Adoni ...	30,416	15,208	1	813	539	1,352	1,352	1,223	814			
2		Anantapur ...	7,938	7,938	1	239	151	390	390	309	190			
3		Anakapalle ...	18,539	1,546	1	467	419	886	886	817	638			
4		Bellary ...	58,247	2,240	4	1,957	1,398	3,355	839	2,347	1,373			
5		Berhampur ...	25,729	6,432	1	622	583	1,205	1,205	1,055	775			
6		Bezwada ...	24,224	4,609	1	704	545	1,249	1,249	1,077	840			
7		Bimlipatam ...	10,212	2,446	1	248	235	483	483	464	336			
8		Calicut ...	76,981	5,921	4	5,105	3,187	8,292	2,073	6,787	3,297			
9		Cannanore ...	27,811	4,795	2	2,263	1,619	3,882	1,941	3,046	1,375			
10		Chicacole ...	18,196	6,065	1	441	595	1,036	1,036	647	540			
11		Chidambaram ...	19,909	9,954	1	343	262	605	605	573	429			
12		Chingleput ...	10,551	8,443	1	750	355	1,105	1,105	462	365			
13		Cochin ...	19,274	22,027	2	812	421	1,333	666	873	541			
14		Cocanada ...	48,096	6,012	2	4,191	1,066	5,257	2,628	1,850	1,185			
15		Coimbatore ...	53,080	17,093	2	1,720	1,160	2,880	1,440	2,149	1,303			
16		Conjeevaram ...	46,164	11,535	2	974	874	1,848	924	1,740	1,350			
17		Coonoor ...	8,525	947	1	318	253	571	571	484	249			
18		Cuddalore ...	52,216	3,926	2	1,779	1,247	3,026	1,513	2,433	1,618			
19		Cuddapah ...	16,432	842	1	568	364	932	932	696	351			
20		Dindigul ...	25,182	8,394	2	907	534	1,441	720	1,067	800			
21		Ellore ...	33,521	11,174	2	2,001	1,274	3,275	1,637	2,734	1,290			
22		Erode ...	15,529	15,529	1	360	278	638	638	561	387			
23		Gudiyattam ...	21,335	2,065	1	454	344	798	798	738	538			
24		Guntur ...	30,833	1,719	1	932	542	1,474	1,474	1,137	955			
25		Karur ...	12,769	12,769	1	358	262	620	620	490	349			
26		Kodaikanal ...	1,912	161	...	85	67	152	...	128	103			
27		Kumbakonam ...	59,673	9,945	2	1,068	895	1,963	981	1,798	1,200			
28		Kurnool ...	25,376	5,147	1	843	488	1,331	1,331	973	741			
29		Madras ...	509,346	18,864	27	32,764	20,662	53,426	1,978	25,377	18,916			
30		Madura ...	105,984	17,664	4	3,836	2,943	6,779	1,694	6,289	5,147			
31		Mannargudi ...	20,449	3,408	1	480	431	911	911	811	595			
32		Mangalore ...	44,108	9,441	2	1,217	1,129	2,346	1,173	2,045	1,145			
33		Masulipatan ...	39,507	1,796	1	856	634	1,490	1,490	1,288	1,040			
34		Mavayaram ...	24,276	8,092	1	725	387	1,112	1,112	862	590			
35		Nandyal ...	15,137	3,027	1	629	230	859	859	770	463			
36		Nagapatam ...	57,100	8,798	3	4,266	1,796	6,062	2,020	4,473	2,332			
37		Nellore ...	32,040	1,996	1	980	660	1,640	1,640	1,083	720			
38		Ongole ...	12,864	3,216	1	429	223	652	652	472	367			
39		Ootacamund ...	18,596	1,690	2	940	651	1,590	750	815	734			

Work performed in police hospitals, jails, revenue and other departments.
Vaccination was performed by the medical officer in charge.

DEPARTMENT.

Madras Presidency during the official year 1905-1906—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.	Total.	Successful.	Unknown.	Primary and secondary vaccinations.	Re-vaccination.	Primary and secondary vaccinations.		Re-vaccination.	20	21	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
1 and under 6 years.	Total of all ages.															
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
2,746	4,341	340	185	141	36	94.9	94.6	...	6.9	19.4	...	...	...	...		
2,729	3,989	62	215	204	2	92.6	95.7	...	1.1	0.9	...	...	...	...		
5,475	8,530	392	400	345	38	93.8	95.3	...	4.2	9.5	...	...	...	...		
10,022	17,335	766	61	59	1	88.6	65.0	...	3.8	1.6	...	...	...	...		
14,243	22,456	963	369	227	55	89.6	72.2	...	3.7	14.9	...	...	...	...		
298	442	47	3	...	1	79.0	...	...	7.7	33.3	...	...	...	...		
18,496	31,596	673	998	868	26	88.0	90.2	...	1.8	3.6	...	...	...	...		
48,590	80,769	2,801	1,831	1,479	131	89.2	87.0	21.8	8.1	7.1	71,427	25.2	1,108	0.04		
588,236	1,103,417	36,619	41,603	30,806	3,172	92.3	80.1	31.6	2.9	7.6	1,009,091	28.1	19,673	0.6		
40	461	...	834	719	...	83.0	86.2	13.2	...	...	974	10.8	68	0.7		
995	4,431	31	1,548	698	100	98.4	48.2	56.3	0.7	6.5	4,023	54.0	5	0.05		
1,035	4,892	31	2,382	1,417	100	97.6	62.1	34.9	0.6	4.2	5,897	32.6	73	0.4		
35	2,280	170	11,537	8,554	432	79.5	77.0	...	5.6	3.7	...	...	...	...		
171	1,047	45	124	79	20	88.5	75.9	37.0	3.6	16.1	1,141	37.5	1	0.03		
82	278	3	81	30	4	90.8	38.9	33.8	0.9	4.9	292	36.7	1	0.1		
88	752	1	69	43	16	92.1	81.1	42.8	0.1	23.2	760	40.9	1	0.05		
712	2,100	1	1,008	286	...	89.5	28.3	40.9	0.04	...	2,042	35.0	35	0.6		
191	1,017	16	120	90	23	95.1	92.3	43.0	1.4	19.1	999	38.8	2	0.07		
162	1,068	3	172	129	6	96.4	77.7	49.4	0.2	3.4	1,241	51.2	9	0.3		
68	410	...	19	12	...	88.3	63.2	41.3	...	...	421	41.2	1	0.00		
1,445	6,603	20	1,505	1,360	26	97.5	91.9	103.4	0.2	1.7	7,262	94.3	174	2.2		
1,363	2,937	46	836	557	112	97.9	76.9	125.6	1.5	13.2	2,234	80.3	63	2.2		
68	620	...	389	357	1	95.8	92.0	53.6	...	0.2	835	45.8	1	0.05		
95	540	7	32	26	6	95.4	100.0	28.4	1.2	18.7	603	30.2	4	0.2		
50	440	4	643	444	42	98.0	73.8	84.6	0.8	6.5	671	63.5	2	0.1		
161	823	25	460	221	80	97.0	58.1	54.1	2.8	17.3	1,215	63.0	97	5.0		
371	1,556	123	3,398	1,714	1,088	89.6	75.5	65.6	6.6	32.0	3,659	76.0	14	0.2		
655	2,017	54	731	420	86	96.2	65.1	45.9	2.5	11.7	1,591	29.9	43	0.8		
261	1,049	27	108	77	21	95.5	88.5	37.1	1.5	19.4	1,621	35.1	18	0.2		
180	453	3	88	63	3	94.3	74.1	60.5	0.6	3.4	603	70.7	1	0.1		
321	1,991	420	593	461	70	98.9	88.1	46.9	17.2	11.8	2,664	51.0	8	0.1		
164	532	16	236	134	26	78.2	63.8	49.9	11.0	11.0	472	28.7	7	0.4		
167	1,001	...	374	256	11	98.8	70.5	49.9	...	2.9	1,336	53.0	7	0.2		
1,017	2,576	7	541	322	28	94.4	62.7	86.4	0.2	5.1	3,493	104.2	18	0.5		
126	619	...	77	48	...	92.5	62.3	36.5	...	...	486	31.2	15	0.9		
140	719	...	60	39	9	97.4	76.5	30.8	...	15.0	772	38.1	12	0.5		
140	1,108	20	337	224	31	99.1	73.2	43.2	1.7	9.2	1,215	39.4	9	0.2		
98	461	1	130	62	31	94.2	62.6	40.9	0.2	23.8	488	38.2	3	0.2		
15	126	...	24	14	...	98.4	58.3	73.2	...	...	127	68.4	1	0.5		
435	1,703	3	165	132	1	94.9	80.5	30.7	0.1	0.6	1,839	30.8	1	0.01		
216	969	...	358	138	140	99.5	55.6	43.6	...	30.7	982	38.6	1	0.01		
5,450	24,868	299	28,049	17,406	3,545	99.1	71.2	83.1	1.1	12.6	28,743	56.4	85	0.1		
966	6,188	2	490	471	3	98.4	96.7	62.8	0.03	0.6	5,534	52.6	117	1.1		
157	771	2	100	74	16	95.3	88.1	41.3	0.2	15.0	707	34.5	2	0.09		
724	1,989	...	301	262	...	97.2	87.0	51.0	...	...	2,503	56.7	28	0.6		
139	1,191	...	202	153	...	92.4	73.7	34.0	...	...	1,209	30.6	7	0.1		
150	810	18	250	190	10	96.0	79.1	41.1	2.1	4.0	866	33.2	4	0.1		
79	762	...	89	80	4	98.9	94.1	55.6	...	4.5	733	48.4	14	0.9		
1,547	4,321	68	1,589	1,161	158	97.8	81.1	95.8	1.3	9.9	3,718	66.9	19	0.3		
187	1,055	3	557	243	81	97.6	51.0	40.5	0.2	14.5	976	30.4	3	0.09		
33	407	1	180	163	8	86.4	94.7	44.3	0.2	4.4	500	38.9	2	0.1		
60	810	...	685	616	15	99.3	91.9	76.6	...	2.1	1,039	55.8	1	0.05		

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	
										Total.	Under 1 year.
1	2	3	4	5	6	7		8	9	10	
						Males.	Females.	Total.			
40	Municipalities—cont.	Palamcottah ...	39,545	9,886	2	1,088	837	1,925	962	1,627	1,253
41		Palghat ...	44,177	3,681	2	1,146	1,134	2,280	1,140	2,018	1,338
42		Parlakimedi ...	17,336	52,008	1	659	381	1,040	1,040	909	617
43		Periyakulam ...	17,960	23,927	1	504	389	893	893	786	652
44		Palni ...	17,168	9,810	1	631	305	936	936	593	455
45		Rajahmundry ...	36,408	3,034	2	1,518	918	2,436	1,218	1,931	1,074
46		Salera ...	70,621	6,900	2	1,729	1,448	3,177	1,588	2,741	2,304
47		Srirangam ...	23,039	3,291	1	631	610	1,271	1,271	1,256	350
48		Srivillipattūr ...	26,382	21,105	1	577	586	1,163	1,163	1,101	934
49		Tanjore ...	57,870	7,716	2	1,179	872	2,051	1,025	1,911	1,438
50		Tellicherry ...	27,883	11,153	2	909	649	1,558	779	1,253	910
51		Tinnevely ...	40,469	5,058	2	985	761	1,746	873	1,548	1,136
52		Trichinopoly ...	104,721	8,727	5	5,069	3,753	8,822	1,764	7,020	3,379
53		Tirupattūr ...	18,689	7,475	1	338	301	639	639	570	435
54		Tirupati ...	15,485	4,236	1	418	283	701	701	495	387
55		Tiruvannamalai ...	17,069	1,552	1	422	302	724	724	568	472
56		Tuticorin ...	28,048	9,340	1	836	592	1,428	1,428	1,313	853
57		Vaniyambādī ...	12,005	4,802	1	421	461	882	882	870	643
58		Vellore ...	43,537	6,966	2	982	543	1,525	762	1,108	519
59		Vizagapatam ...	40,892	7,789	1	956	646	1,602	1,602	1,324	925
60		Vizianagaram ...	34,589	8,646	1	1,139	982	2,121	2,121	1,671	1,173
61		Walajapet ...	10,067	10,067	1	209	206	505	505	455	308
Total of municipalities...			2,422,127	5,335	120	100,989	66,592	167,581	1,396	116,654	77,854
Grand Total ...			*38,227,818	271	872	778,798	684,692	1,463,490	+ 1,660	1,856,441	1,462,046

Note.—This statement does not include the statistics of dispensary vaccination.
N.B.—In calculating the percentage of success shown in this statement and

* Excludes the population of the cantonments of Bangalore and Secunderabad.
† In finding the average number of persons vaccinated, the total work of medical

DEPARTMENT.

Mad. or Presidency during the official year 1905-1906—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.						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.	Unknown.	Total.	Successful.	Unknown.	17	18	19	20	21	22	23	24	25
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
150	1,455	...	298	248	...	89.4	83.2	43.0	...	...	1,728	43.6	36	0.9
426	1,983	...	262	229	...	98.5	87.4	50.1	...	...	2,115	47.8	27	0.6
174	874	...	131	97	...	96.1	74.0	56.0	...	...	936	53.9	1	0.05
107	759	3	107	72	33	96.9	97.2	43.2	0.3	30.8	834	46.9	...	...
93	550	...	343	228	73	92.7	83.7	45.2	...	21.2	734	42.7	1	0.05
686	1,798	12	505	308	71	93.6	70.0	57.8	0.6	14.0	2,203	60.5	24	0.6
344	2,678	2	436	177	59	97.7	46.9	40.4	00.7	13.5	2,522	35.7	4	0.5
510	1,212	20	15	12	1	98.0	85.7	53.1	1.5	6.6	1,172	50.8	5	0.2
68	1,048	1	62	44	6	95.2	78.5	41.3	00.9	9.6	1,171	44.3	2	0.7
275	1,859	...	140	98	5	97.2	72.5	33.8	...	3.5	1,855	32.0	18	0.3
147	1,229	11	305	163	67	98.9	68.4	49.9	0.8	21.9	1,066	38.2	7	0.2
135	1,314	18	198	134	12	85.8	88.1	36.5	1.1	6.0	1,542	38.1	15	0.3
3,093	7,375	50	1,202	999	80	97.4	89.0	79.9	0.6	6.6	7,887	75.3	13	0.1
63	517	5	69	39	3	91.5	59.0	29.7	0.7	4.3	592	31.6	13	0.6
70	471	...	206	148	34	95.1	86.0	39.9	...	16.5	455	29.3	5	0.3
45	538	1	156	80	33	94.8	65.0	36.2	0.2	21.1	677	30.6	1	0.05
308	1,245	1	115	82	...	94.8	71.3	47.3	00.7	...	1,253	44.6	6	0.2
182	836	1	12	9	...	96.2	75.0	70.3	0.1	...	758	63.1	10	0.8
289	843	215	417	71	146	94.4	26.2	20.9	19.4	35.0	1,657	38.0	68	1.3
260	1,239	4	278	92	63	93.8	42.7	32.5	0.3	22.6	1,474	36.0	...	...
222	1,526	10	450	393	24	91.8	92.2	55.4	0.5	5.3	1,659	47.9	...	...
90	448	3	50	44	3	99.1	93.6	46.8	0.6	6.0	395	39.2	1	0.09
26,797	110,989	1,585	50,927	32,442	6,404	96.4	72.9	59.2	1.3	12.5	122,328	50.8	1,083	0.4
611,103	1,221,578	38,405	106,449	73,219	10,108	92.7	76.0	53.7	2.8	9.5	1,137,316	29.7	20,829	0.5

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 1905-1906

Expenditure.																	
Number.	Districts.	Circles.	Inspector of Vaccination and Deputy Secretary Commissioner.	Pay.	Deputy Inspectors.			Vaccinators.				Clerks.		Peons, &c.		Total pay of establishment.	
					First grade.	Second grade.	Third grade.	Pay.	First class.	Second class.	Probationers.	Pay.	Number.	Pay.	Number.		
1	3		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2	Anantapur.	Anantapur circle	...	...	1	...	...	Rs. A. P.	...	...	...	...	...	...	...	...	...
3		Penunkonda do.	...	...	...	...	...	Rs. A. P.	...	...	...	...	...	...	...	...	...
4		Total of district	...	...	...	1	...	...	Rs. A. P.	...	...	...	...	...	...	...	...
5	Bellary.	Bellary circle	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
6		Harpanahalli circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7		Total of district	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
8	Chingleput.	Chingleput circle	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
9		Saidapet do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10		Total of district	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
11	Coimbatore.	North Coimbatore circle	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
12		South do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13		East do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Cuddapah.	Total of district	...	...	1	1	1	2,263 1 0	10	23	7	5,167 13 3	3	340 6 8	3	245 0 0	8,016 4 11
15		Cuddapah circle	...	...	1	...	...	1,048 4 4	5	7	2	1,911 6 8	...	...	1	83 14 6	3,043 9 6
16		Madanapalle do.	...	...	1	...	...	540 6 0	5	10	2	2,538 10 5	...	...	1	82 3 1	3,460 13 6
17	Guntur.	Siddhavattam circle	...	...	...	1	...	730 0 0	4	4	2	1,749 9 7	...	...	1	84 0 0	3,553 9 7
18		Total of district	...	...	2	1	...	2,608 4 2	14	21	6	6,193 10 8	...	...	3	230 1 7	9,058 0 7

VACCINATION RETURNS.

13	Guntur.	Chatrapur circle	...	...	1	...	...	1,043 8 7	4	7	7	1,660 1 1	1	180 0 0	1	71 14 11	2,975 2 7	
14		Chittoor do.	...	...	1	...	...	610 0 0	3	8	1	1,599 8 0	1	180 0 0	1	72 0 0	2,031 8 0	
15		Guntur Hili tracts	...	...	1	...	...	1,440 0 8	3	5	5	1,462 11 4	...	...	1	84 0 0	3,183 11 4	
16		Russellikonda	...	...	1	...	...	480 0 0	3	7	4	1,506 13 3	...	...	1	72 0 0	2,036 13 3	
		Total of district	...	...	3	...	1	3,563 9 10	13	27	11	6,749 1 5	2	300 0 0	4	362 14 11	10,915 4 2	
17	Godeavari.	Cocanada circle	...	...	...	...	1	480 0 0	8	7	...	2,227 8 2	1	120 0 0	1	84 0 0	2,241 8 2	
18		Rajahmundry circle	...	...	...	...	...	500 13 3	5	5	...	1,708 0 6	1	115 2 11	1	91 0 0	2,013 2 8	
19		Local Fund vaccinators in Agency.	...	...	...	...	...	606 11 4	2	6	...	625 15 3	1	100 15 3	1	68 12 7	1,404 6 5	
20			Total of district	...	...	...	1	2	1,669 10 7	15	15	...	4,559 7 11	3	386 2 2	3	243 12 7	7,129 1 8
21	Kistna.	Ellore circle	...	...	1	...	...	849 9 7	10	7	1	2,354 0 8	1	131 15 1	1	84 0 0	3,419 9 4	
		Masulipatnam circle	...	...	1	...	...	948 3 0	6	9	7	3,420 3 5	1	107 15 6	1	81 0 0	4,330 3 11	
		Total of district	...	...	2	...	...	1,797 12 7	16	16	8	5,814 4 1	2	239 14 7	2	168 0 0	8,049 15 3	
22		Guntur.	Guntur circle	...	...	1	...	...	917 14 6	4	5	7	1,806 2 0	1	107 14 0	1	84 0 0	2,975 14 6
23	Narasaraopet circle		...	...	...	...	...	480 0 0	4	5	5	1,306 3 1	1	104 10 0	1	84 0 0	1,974 13 1	
24	Bapatla "		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	
	Total of district		...	...	1	...	...	2	1,397 14 6	8	10	12	3,172 5 1	2	212 8 0	2	108 0 0	4,594 11 7
25	Kurnool.	Gumham circle	...	...	...	...	1	...	...	...	...	1,595 13 11	...	...	1	84 0 0	2,327 7 7	
26		Kuravol do.	...	...	...	...	...	...	...	...	...	1,466 12 2	...	...	1	84 0 0	2,360 12 2	
		Total of district	...	...	1	...	...	1	...	...	...	...	2,962 10 1	...	...	2	168 0 0	4,708 3 3
27		Madura.	Dindigul circle	...	...	...	...	...	584 15 6	3	16	2	1,845 15 8	1	...	1	72 0 0	2,522 15 2
28	Madura do.		...	...	...	...	...	837 7 0	5	9	3	2,218 15 5	1	120 0 0	1	72 0 0	3,219 6 5	
29	Paramagudi do.		...	...	...	...	...	735 14 10	6	8	2	2,444 2 0	1	93 6 1	1	72 0 0	3,346 6 11	
30	Tirumangalam circle		...	...	...	...	...	480 0 0	4	5	2	1,669 11 6	1	118 4 11	1	72 0 0	2,120 0 5	
		Total of district	...	...	...	...	2	2,638 5 4	18	32	6	5,638 12 7	4	331 11 9	4	288 0 0	11,576 12 11	
31	Malabar.	Tellicherry circle	...	...	...	...	1	...	...	...	...	2,071 10 1	...	...	1	84 0 0	2,901 13 8	
32		Calicut do.	...	...	...	...	...	...	...	...	...	2,546 5 9	...	...	1	70 0 0	3,063 3 10	
33		Palghat do.	...	...	...	...	...	...	...	...	...	1,591 7 6	...	...	1	84 0 0	2,109 3 0	
		Total of district	...	...	...	...	...	2	1,506 13 8	12	23	...	6,209 6 10	...	...	3	236 0 0	8,251 4 6
34	Nellore.	Central circle (Kavali)	...	...	...	...	1	...	...	...	...	1,283 5 11	...	...	1	84 0 0	1,887 5 11	
35		Southern do. (Gudur)	...	...	...	...	...	...	...	...	...	1,548 6 2	...	...	1	81 0 0	2,112 6 2	
36		Northern do. (Kangin)	...	...	...	...	...	...	...	...	...	1,121 2 9	...	...	1	84 0 0	2,118 12 9	
		Total of district	...	...	...	...	...	2	1,913 10 0	5	17	5	3,952 14 10	...	...	3	252 0 0	6,118 8 10

* Bapatla was newly constituted a circle on 17th March 1906. The figures relating to this circle were included in those of Guntur.

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1905-1906—continued.

Number—cont.	Districts—cont.	Circles—cont.	Expenditure—cont.				Paid from					Average cost of each successful case.
			19	20	21	22	23	24	25	26	27	
			Travelling allowance.	Contingencies.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zamindars.	Total.	Number of all successful vaccinations and re-vaccinations.
			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.
1	Anantapur.	Anantapur circle ...	290 12 0	1,677 15 3	4,933 11 5	...	1,343 13 7	2,044 13 10	...	...	4,288 11 5	18,172
2		Penukonda do. ...	202 14 0	1,128 8 7	2,873 8 10	...	709 12 0	2,263 12 10	...	...	2,973 8 10	12,049
		Total of district ...	492 10 0	2,806 7 10	7,806 4 3	...	2,052 0 7	5,298 10 8	...	...	7,262 4 3	30,221
3	Bellary.	Bellary circle ...	242 7 0	630 0 11	4,366 2 10	...	1,108 7 11	3,199 10 11	...	...	4,306 2 10	19,533
4		Harganahalli circle ...	204 1 0	459 1 7	2,916 3 2	...	741 0 6	2,175 2 8	...	...	2,916 3 2	11,227
		Total of district ...	446 8 0	1,089 2 6	7,282 6 0	...	1,849 8 5	5,374 13 7	...	...	7,222 6 0	30,760
5	Chingleput.	Chingleput circle ...	930 3 1	1,242 8 11	5,031 15 6	...	1,144 8 0	3,947 7 0	...	...	5,091 15 6	23,275
6		Saidapet do. ...	852 11 7	1,080 3 2	4,803 5 8	...	1,151 8 6	3,351 13 2	...	...	4,503 5 8	19,774
		Total of district ...	1,782 14 8	2,322 12 1	9,835 5 2	...	2,295 0 6	7,298 4 8	...	...	9,595 5 2	43,049
7	Coimbatore.	North Coimbatore circle ...	437 9 3	869 11 9	3,834 11 11	...	1,087 9 6	2,747 2 5	...	...	3,834 11 11	14,759
8		South do. ...	255 1 8	889 12 2	3,181 11 9	...	696 7 0	2,485 4 8	...	...	3,181 11 9	13,634
9		East do. ...	381 7 10	1,297 12 4	5,131 4 4	...	1,357 4 9	3,826 15 7	...	...	5,184 4 4	23,044
		Total of district ...	1,127 2 9	3,057 4 3	12,200 11 11	...	3,141 5 3	9,059 6 8	...	...	12,200 11 11	52,257
10	Cuddalore.	Cuddalore circle ...	956 11 11	506 13 3	4,507 2 8	...	1,367 4 4	3,139 14 4	...	...	4,507 2 8	10,481
11		Madanapalle do. ...	1,123 5 1	741 8 10	5,328 11 5	...	1,211 8 6	4,117 2 11	...	...	5,328 11 5	19,575
12		Siddavaram circle ...	865 15 10	388 0 1	3,307 9 6	...	720 0 0	2,837 9 6	...	...	3,307 9 6	7,690
		Total of district ...	2,449 0 10	1,633 6 2	13,143 7 7	...	3,298 12 10	8,844 10 0	...	...	13,143 7 7	37,750

APPENDIX.

VACCINATION RETURNS.

			13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
			Chattrapur circle ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...	Chattrapur do. ...
			529 9 4	1,308 12 7	4,816 9 6	...	1,495 15 7	3,320 9 11	...	...	...	...	...	...	...	...	...	...	...
			487 2 2	781 7 7	3,960 1 9	...	4,449 11 7	3,120 1 9	...	...	...	...	...	...	...	...	...	...	...
			503 1 8	639 14 7	4,449 11 7	...	886 2 0	2,145 9 4	...	...	...	...	...	...	...	...	...	...	...
			319 15 7	573 14 6	2,962 11 4	...	7,621 13 2	8,597 5 0	...	...	...	...	...	...	...	...	...	...	...
			1,829 12 9	3,364 1 3	16,330 2 2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			1,211 4 4	986 9 6	5,109 6 0	...	919 0 4	4,190 5 8	...	...	...	...	...	...	...	...	...	...	...
			977 12 0	500 0 9	4,339 15 5	...	1,185 7 0	3,204 7 8	...	...	...	...	...	...	...	...	...	...	...
			930 14 0	220 4 10	2,555 9 3	...	855 5 7	1,700 3 8	...	...	...	...	...	...	...	...	...	...	...
			3,119 14 4	1,805 15 1	12,054 14 8	...	2,969 13 8	9,095 1 0	...	...	...	...	...	...	...	...	...	...	...
			1,211 13 11	952 2 7	5,533 9 10	...	1,195 1 7	4,336 8 3	...	...	...	...	...	...	...	...	...	...	...
			503 16 0	1,672 3 3	6,806 8 2	...	948 3 0	5,553 5 2	...	...	...	...	...	...	...	...	...	...	...
			1,715 12 11	2,624 5 10	12,330 2 0	...	2,143 4 7	10,346 13 5	...	...	...	...	...	...	...	...	...	...	...
			971 13 5	1,227 7 2	5,175 3 1	...	917 14 6	4,257 4 7	...	...	...	...	...	...	...	...	...	...	...
			734 1 7	659 3 6	3,363 2 2	...	480 0 0	2,888 2 2	...	...	...	...	...	...	...	...	...	...	...
			1,705 15 0	1,886 10 8	8,543 5 3	...	1,397 14 6	7,145 6 9	...	...	...	...	...	...	...	...	...	...	...
			202 10 0	416 0 7	3,043 2 2	...	737 9 8	2,305 8 6	...	...	...	...	...	...	...	...	...	...	...
			800 1 11	1,039 5 11	4,229 4 0	...	1,218 7 0	3,010 13 0	...	...	...	...	...	...	...	...	...	...	...
			1,108 11 11	1,455 6 6	7,272 6 2	...	1,956 0 0	5,316 5 6	...	...	...	...	...	...	...	...	...	...	...
			178 9 9	770 15 4	3,433 8 0	...	584 15 6	2,878 8 6	...	...	...	...	...	...	...	...	...	...	...
			350 11 1	1,124 2 0	4,723 3 6	...	837 7 0	3,885 12 6	...	...	...	...	...	...	...	...	...	...	...
			229 0 0	913 13 11	4,486 6 10	...	735 14 10	3,753 8 0	...	...	...	...	...	...	...	...	...	...	...
			240 9 0	941 14 7	3,362 8 0	...	724 4 5	2,558 3 7	...	...	...	...	...	...	...	...	...	...	...
			980 13 7	3,750 13 10	16,037 10 4	...	2,862 9 9	13,155 0 7	...	...	...	...	...	...	...	...	...	...	...
			353 14 0	1,223 4 6	4,579 0 2	...	836 3 7	3,742 12 7	...	...	...	...	...	...	...	...	...	...	...
			412 10 8	1,277 12 9	4,753 11 3	...	771 11 5	3,561 15 10	...	...	...	...	...	...	...	...	...	...	...
			401 13 0	1,873 0 9	4,477 0 9	...	523 12 0	3,953 4 9	...	...	...	...	...	...	...	...	...	...	...
			1,171 5 8	4,384 2 0	13,809 12 2	...	2,131 11 0	11,678 1 2	...	...	...	...	...	...	...	...	...	...	...
			680 2 2	798 10 6	3,318 2 7	...	697 2 0	2,619 0 7	...	...	...	...	...	...	...	...	...	...	...
			733 7 9	891 9 0	3,797 6 11	...	755 2 4	3,012 4 7	...	...	...	...	...	...	...	...	...	...	...
			629 14 5	462 4 9	3,210 15 11	...	1,291 9 1	1,919 6 10	...	...	...	...	...	...	...	...	...	...	...
			2,053 8 4	2,152 8 2	10,324 9 5	...	2,743 13 5	7,580 12 0	...	...	...	...	...	...	...	...	...	...	...

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official years 1905-1906—continued.

Expenditure.																	
Number.	Districts.	Circles—cont.	Inspector of Vaccination and Deputy Sanitary Commissioner.	Pay.	Deputy Inspectors.				Vaccinators.				Clerks.		Peons, etc.		Total pay of establishment.
					First grade.	Second grade.	Third grade.	Pay.	First class.	Second class.	Probationers.	Pay.	Number.	Pay.	Number.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
37	Nilgiris.	Nilgiris	...	...	...	1	...	600 0 0	3	1	...	1,214 6 7	...	...	1	96 0 0	1,910 8 7
		Total of district	...	...	1	...	600 0 0	3	1	...	1,214 6 7	...	...	1	96 0 0	1,910 8 7	
38	North Arcot.	Chittoor circle	...	...	1	...	...	856 15 0	5	6	2	1,788 6 2	1	117 15 6	1	82 13 11	2,846 2 7
		Vellore do.	...	...	1	...	...	840 0 0	5	5	2	1,578 1 2	...	...	1	69 6 3	2,482 7 5
		Karvetnagar circle	...	...	1	...	...	480 0 0	4	5	2	1,434 2 4	...	...	1	86 1 7	1,969 3 11
40		Total of district	...	...	2	1	2,178 15 0	14	16	6	4,795 9 8	1	117 15 6	3	237 5 9	7,327 13 11	
41	Madras.	Madras Presidency town	1	8,217 7 10	...	...	...	...	...	...	...	...	...	...	...	...	8,217 7 10
		Total of district	1	8,217 7 10	...	...	...	...	...	...	...	...	...	...	...	...	8,217 7 10
42	Salem.	Northern circle	...	...	...	1	...	433 3 2	3	6	2	1,260 2 1	...	...	1	84 0 0	1,806 5 3
		Salem do.	...	...	1	...	...	889 10 10	3	11	3	1,539 15 5	...	...	1	84 0 0	2,513 10 3
		Nannakkal do.	...	...	1	...	...	448 1 9	3	11	3	1,714 7 3	...	...	1	80 9 10	2,243 2 10
44		Total of district	...	...	1	...	1,770 15 9	9	23	8	4,543 8 9	...	...	3	248 9 10	6,563 2 4	
45	South Arcot.	Cuddalore circle	...	...	1	...	...	875 14 7	7	7	2	2,262 2 4	...	...	1	96 0 0	3,234 0 11
		Viduthachalam circle	...	...	1	...	...	480 0 0	3	4	1	1,970 6 10	...	...	1	96 0 0	1,546 8 10
		Tiruvannamalai do.	...	...	1	...	...	480 0 0	4	5	1	1,366 0 11	...	...	1	79 2 0	1,945 2 11
47		Total of district	...	...	1	...	1,435 14 7	14	10	4	4,018 10 1	...	...	3	271 2 0	6,795 10 8	

APPENDIX.

VACCINATION RETURNS.

43	South Arcot.	Northern circle	...	...	1	...	...	840 0 0	3	6	5	2,904 3 5	1	169 13 5	1	96 0 0	4,090 0 10
49		Kasaragod do.	...	...	...	...	1	486 7 3	3	4	4	2,624 5 3	1	180 0 0	1	85 5 8	3,376 2 2
50	Tanjore.	Total of district	...	...	1	...	1	1,336 7 3	6	10	9	5,588 8 8	2	369 13 5	2	131 5 8	7,466 3 0
51		Tanjore circle	...	...	...	1	...	...	840 0 0	4	8	2	1,694 5 8	1	91 12 4	1	84 0 0
52	Tanjore.	Negapatam do.	...	...	...	...	1	480 0 0	3	7	1	1,720 2 3	...	...	1	84 0 0	2,284 2 3
53		Pattukkottai do.	...	...	...	...	...	1	480 0 0	2	7	1	1,254 1 11	...	...	1	84 0 0
54	Tinnevely.	Total of district	...	...	...	1	2	1,800 0 0	9	24	4	4,608 9 10	1	91 12 4	3	252 0 0	6,812 6 2
55		Srivilliputtur circle	...	...	...	...	...	1	480 0 0	3	5	1	981 0 9	...	...	1	68 0 7
56	Tinnevely.	Sermadurai circle	...	...	...	...	1	480 0 0	3	3	4	1,021 11 10	...	...	1	72 0 0	1,573 11 10
57		Tinnevely do.	...	...	...	...	...	1	830 7 9	4	7	1	1,431 3 6	...	...	1	72 0 0
58	Tinnevely.	Total of district	...	...	...	...	1	1,790 7 9	10	15	6	3,437 0 1	...	...	3	212 0 7	5,439 8 5
59		Trichinopoly circle	...	...	...	...	...	1	836 0 0	5	7	2	1,682 0 10	...	...	1	66 0 0
60	Tinnevely.	Ariyalur do.	...	...	...	...	1	455 7 9	3	5	2	1,283 3 10	...	...	1	83 8 10	1,807 12 5
61		Total of district	...	...	...	...	...	1	1,293 7 9	8	12	4	2,965 4 8	2	150 8 10	2	149 8 10
62	Tinnevely.	Gannur circle	...	...	...	...	1	665 11 5	1	2	1	445 15 6	...	...	1	77 14 6	1,239 14 9
63		Zaminidari vaccinators	...	...	...	...	...	1	...	...	4	...	465 0 0	...	...	...	...
64	Vizagapatam.	Total of Hill tracts	...	...	...	...	1	665 11 5	1	6	1	908 15 6	1	102 5 4	1	77 14 6	1,754 14 9
65		Jeyapore circle	...	...	...	...	...	1	823 5 6	2	11	3	2,312 8 3	...	...	1	84 0 0
66	Vizagapatam.	Vizagapatam circle	...	...	...	...	1	480 0 0	6	8	2	2,015 7 9	1	120 0 0	1	81 0 0	2,690 7 9
67		Government vaccinators (Gudem hills)	...	...	...	...	...	...	...	...	1	...	118 0 0	...	...	...	...
68	Vizagapatam.	Vizagapatam circle	...	...	...	...	1	840 0 0	7	16	2	3,229 5 3	1	116 2 4	1	84 0 0	4,269 7 7
69		Total of district	...	...	...	...	2	2,809 0 11	16	42	8	8,584 4 9	3	838 7 8	4	329 14 6	12,061 11 10
70	Vizagapatam.	Grand Total of districts	1	8,217 7 10	25	7	28	41,337 1 3	232	400	129	1,03,568 14 11	25	2,889 4 2	59	4,727 4 9	1,60,760 0 11

A. R.—The sanctioned scale of Deputy Inspectors of Vaccination on the first grade (excluding Madras) is 24 and on the second grade, S. Under G.O., No. 719 L. Mis., dated 13th June 1906, the number of appointments in the first grade was raised to 25 and in the second grade reduced to 7 from November 1901 to 30th April 1906.

STATEMENT NO. II showing the Cost of the Department in the Madras Presidency during the official year 1905-1906—continued.

Number—cont.	Districts—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.										
		RS.	A. P.			Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zamindars.						
37	Circles—cont.															
	Nilgiris	361	6 6	241	14 1	2,513	11 2	984	7 8	1,529	3 6	...	2,513	11 2	3,775	0 10 8
	Total of district	361	6 6	241	14 1	2,513	11 2	984	7 8	1,529	3 6	...	2,513	11 2	3,775	0 10 8
38	Chittoor circle	1,147	3 1	870	10 0	4,803	15 8	1,405	6 11	3,398	8 9	...	4,803	15 8	15,902	0 4 10
39	Vellore do.	884	14 3	804	12 0	4,152	1 8	1,407	15 8	2,744	2 0	...	4,152	1 8	15,265	0 4 4
40	Karvetnagar circle	808	15 2	771	11 3	3,580	14 4	733	5 6	2,787	8 10	...	3,580	14 4	12,269	0 4 6
	Total of district	2,822	0 6	2,447	1 3	12,336	15 8	3,666	12 1	8,930	3 7	...	12,596	15 8	43,436	0 4 8
41	Madras Presidency town	369	14 0	...	...	8,587	5 10	8,587	5 10	...	...	...	8,587	5 10	...	...
	Total of district	369	14 0	...	...	8,587	5 10	8,587	5 10	...	...	...	8,587	5 10	...	...
42	Northern circle	172	1 0	608	6 2	2,586	12 5	628	5 2	1,958	7 3	...	2,586	12 5	15,039	0 2 8
43	Salem do.	301	5 9	1,940	7 11	4,755	7 11	889	10 10	3,865	13 1	...	4,755	7 11	24,290	0 3 1
44	Kamakkal do.	149	5 0	1,839	10 9	4,232	2 7	610	2 9	3,071	15 10	...	4,232	2 7	24,072	0 2 10
	Total of district	672	11 9	4,388	8 10	11,624	6 11	2,128	2 9	9,496	4 2	...	11,624	6 11	64,001	0 2 11
45	Cuddalore circle	1,103	3 6	1,280	9 6	5,556	13 11	875	14 7	4,680	15 4	...	5,556	13 11	28,867	0 3 1
46	Vaidhachalam circle	443	2 2	648	5 5	2,637	14 5	705	5 0	1,531	9 5	...	2,637	14 5	14,080	0 3 0
47	Tiruvannamalai do.	731	11 11	1,362	5 3	4,069	4 1	669	8 3	3,369	11 10	...	4,069	4 1	18,908	0 3 5
	Total of district	2,277	1 7	3,251	4 2	12,254	0 5	2,251	11 10	10,602	4 7	...	12,254	0	61,805	0 3 2

APPENDIX.

48	South	Northern circle	983	5	10	763	15	7	5,337	0	3	810	0	0	4,907	6	3	6,837	6	3	20,374	0	4	7
49	Canara.	Kasaragod do.	763	3	2	568	11	7	4,711	0	11	809	13	0	3,901	3	11	4,711	0	11	13,497	0	5	7
		Total of district	1,749	9	0	1,332	11	2	10,548	7	2	1,640	13	0	8,808	10	2	10,548	7	2	33,871	0	4	11
50	Tanjore.	Tanjore circle	358	0	9	1,713	15	1	4,782	7	10	1,250	14	7	3,531	0	3	4,782	7	10	24,237	0	3	2
51		Nagapattam do.	276	0	9	1,728	11	6	4,318	14	6	753	1	6	3,565	13	0	4,318	14	6	26,370	0	2	7
52		Pattukkottai do.	264	12	6	1,178	4	3	3,261	2	8	716	14	4	2,514	4	4	3,261	2	8	18,769	0	2	9
		Total of district	899	4	0	4,650	14	10	12,362	9	0	2,730	14	5	9,631	10	7	12,362	9	0	69,376	0	2	10
53	Trichy.	Sririvilliputūr circle	982	15	3	702	13	11	3,214	14	6	636	15	6	2,557	15	0	3,214	14	6	18,975	0	2	9
54	Trinnevelly.	Sérmañévi do.	403	2	8	775	1	3	2,751	15	9	709	5	6	2,042	10	3	2,751	15	9	20,071	0	2	8
55		Tinnevelly do.	571	10	4	813	7	6	3,721	13	1	1,085	3	9	2,638	9	4	3,721	13	1	23,141	0	2	6
		Total of district	1,957	12	3	2,291	6	8	9,688	11	4	2,457	3	3	7,237	2	7	9,688	11	4	62,187	0	2	6
56	Trichy.	Trichinopoly circle	371	9	3	1,501	1	0	4,553	11	11	1,183	5	5	3,375	6	6	4,553	11	11	26,132	0	2	8
57		Arivudūr do.	256	7	0	1,887	15	1	4,012	2	6	812	8	8	3,199	9	10	4,012	2	6	17,298	0	3	8
		Total of district	628	0	3	3,389	0	1	8,575	14	5	2,000	14	1	6,575	0	4	8,575	14	5	43,430	0	3	2
58		Gunnar circle	587	0	0	317	0	2	2,193	14	11	1,078	4	8	1,115	10	3	2,193	14	11	4,482	0	7	9
		Zamindari vaccinators	249	10	0	152	7	0	867	1	0	...	...	...	...	...	...	867	1	0	4,193	0	3	3
		Total of Bill tracts	836	10	0	469	7	2	3,060	15	11	1,078	4	8	1,115	10	3	3,060	15	11	8,675	0	5	8
59	Vizagapatnam	Joyपुर circle	1,249	15	9	815	15	6	5,388	13	0	1,622	4	0	3,666	9	0	5,388	13	0	17,374	0	4	3
60		Vizagapatnam circle	1,071	5	6	2,035	6	11	5,825	4	2	1,216	7	7	4,570	12	7	5,825	4	2	22,653	0	4	1
		Government vaccinators (Gudem hills).	85	6	0	25	5	10	226	15	10	...	...	...	...	...	...	228	15	10	412	0	8	3
61		Vizianagaram circle	1,246	9	9	2,668	1	1	8,184	2	5	1,514	6	5	6,669	12	0	8,184	2	5	32,464	0	4	0
		Total of district	4,450	15	0	6,037	3	6	22,569	3	4	5,690	6	6	16,031	11	10	22,569	3	4	81,638	0	4	5

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1905-1906—continued.

Expenditure.																	
Number.	Municipalities.	Inspector of Vaccination and Deputy Sanitary Commissioner.	Pay.	Deputy Inspectors.			Vaccinators.				Clerks.		Peons, etc.		Total pay of establishment.		
				First grade.	Second grade.	Third grade.	Pay.	First class.	Second class.	Probationers.	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.		RS. A. P.	
1	Adoni								1			201 1 4					201 1 4
2	Anantapur										1	120 0 0					120 0 0
3	Anakapalle											131 0 0					131 0 0
4	Bellary								2	1		511 12 5					511 12 5
5	Berhampur								1			208 8 9					208 8 9
6	Bezawada								1			191 0 0					191 0 0
7	Bimlipatam								1			226 12 7					226 12 7
8	Calicut								1			569 12 4					569 12 4
9	Cannanore								1			335 14 6					335 14 6
10	Chidambaram								1			191 0 0					191 0 0
11	Chingleput								1			203 0 0					203 0 0
12	Cochin								1			130 10 0					130 10 0
13	Cocanada								1			207 5 1					207 5 1
14	Coinbatore								1			335 4 0					335 4 0
15	Conjeveram								1			290 0 0					290 0 0
16	Coonoor										1	245 1 1					245 1 1
17	Cuddalore								1			232 0 0					232 0 0
18	Gudalupah								1			314 0 0					314 0 0
19	Gudigul								1			115 5 10					115 5 10
20	Ellore								1			213 9 6					213 9 6
21	Erode								1			290 9 10					290 9 10
22	Gudiyattam								1			186 0 0					186 0 0
23	Guntur								1			115 5 7					115 5 7
24	Kadur								1			227 0 0					227 0 0
25	Kodakanal								1			180 0 0					180 0 0
26	Kunthakulam								1								
27	Kurnool								1			284 12 0					284 12 0
28	Madras								1			175 8 0					175 8 0
29	Madura								8	3	8	4730 12 6	1				4730 12 6
30	Mannargudi								1			601 5 4					601 5 4
31												164 0 0					164 0 0

APPENDIX.

VACCINATION RETURNS.

32	Mangalore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
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* 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 official year 1905-1906—continued.

Number—cont.	Municipalities—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.	Zamindaries.	
		19	20	21	22	23	24	25	26	27
		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.
1	Ardani	...	...	...	...	...	...	...	...	...
2	Anandapur	...	...	...	...	...	...	...	...	...
3	Anakapalle	...	...	...	...	...	...	...	...	...
4	Bellary	...	...	...	...	...	...	...	...	...
5	Berhanpur	...	...	...	...	...	...	...	...	...
6	Bezavada	...	...	...	...	...	...	...	...	...
7	Bidupatam	...	...	...	...	...	...	...	...	...
8	Calicut	...	...	...	...	...	...	...	...	...
9	Cannanore	...	...	...	...	...	...	...	...	...
10	Chittoor	...	...	...	...	...	...	...	...	...
11	Chitambaram	...	...	...	...	...	...	...	...	...
12	Chingleput	...	...	...	...	...	...	...	...	...
13	Cochin	...	...	...	...	...	...	...	...	...
14	Cocanada	...	...	...	...	...	...	...	...	...
15	Coimbatore	...	...	...	...	...	...	...	...	...
16	Conjeevaram	...	...	...	...	...	...	...	...	...
17	Cuddalore	...	...	...	...	...	...	...	...	...
18	Cuddalore	...	...	...	...	...	...	...	...	...
19	Cuddalore	...	...	...	...	...	...	...	...	...
20	Dindigul	...	...	...	...	...	...	...	...	...
21	Ellore	...	...	...	...	...	...	...	...	...
22	Errode	...	...	...	...	...	...	...	...	...
23	Gudiyattam	...	...	...	...	...	...	...	...	...
24	Guntur	...	...	...	...	...	...	...	...	...
25	Kadur	...	...	...	...	...	...	...	...	...
26	Kodakanal	...	...	...	...	...	...	...	...	...
27	Kambakonam	...	...	...	...	...	...	...	...	...
28	Kannool	...	...	...	...	...	...	...	...	...
29	Madura	...	...	...	...	...	...	...	...	...
30	Madura	...	...	...	...	...	...	...	...	...
31	Manakudi	...	...	...	...	...	...	...	...	...

APPENDIX.

Number—cont.	Municipalities—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.	Zamindaries.	
		19	20	21	22	23	24	25	26	27
		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.
32	Mangalore	...	...	...	...	...	...	...	...	...
33	Masulipatam	...	...	...	...	...	...	...	...	...
34	Mavaram	...	...	...	...	...	...	...	...	...
35	Mendayal	...	...	...	...	...	...	...	...	...
36	Nagapattinam	...	...	...	...	...	...	...	...	...
37	Nellore	...	...	...	...	...	...	...	...	...
38	Ongole	...	...	...	...	...	...	...	...	...
39	Ootacamund	...	...	...	...	...	...	...	...	...
40	Palamcottah	...	...	...	...	...	...	...	...	...
41	Palghat	...	...	...	...	...	...	...	...	...
42	Pudukkottai	...	...	...	...	...	...	...	...	...
43	Puri	...	...	...	...	...	...	...	...	...
44	Rajahmundry	...	...	...	...	...	...	...	...	...
45	Salem	...	...	...	...	...	...	...	...	...
46	Sivakasi	...	...	...	...	...	...	...	...	...
47	Srivilliputhur	...	...	...	...	...	...	...	...	...
48	Tanjore	...	...	...	...	...	...	...	...	...
49	Telicherry	...	...	...	...	...	...	...	...	...
50	Tinnevely	...	...	...	...	...	...	...	...	...
51	Trichinopoly	...	...	...	...	...	...	...	...	...
52	Tirupattur	...	...	...	...	...	...	...	...	...
53	Tirupathi	...	...	...	...	...	...	...	...	...
54	Tiruvannamalai	...	...	...	...	...	...	...	...	...
55	Tuticorin	...	...	...	...	...	...	...	...	...
56	Vaniyambadi	...	...	...	...	...	...	...	...	...
57	Vellore	...	...	...	...	...	...	...	...	...
58	Vizagapatam	...	...	...	...	...	...	...	...	...
59	Vizianagaram	...	...	...	...	...	...	...	...	...
60	Walgapet	...	...	...	...	...	...	...	...	...
61	Total of Municipalities	...	...	...	...	...	...	...	...	...
1	Bangalore	...	...	...	...	...	...	...	...	...
2	Secunderabad	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...
	Grand Total	...	...	...	...	...	...	...	...	...

* In finding out the average cost of each successful case, excluding the number of successful vaccinations (10,768) performed in the Naval and Mauritius Emigration depots and Penitentiary, the amount realized by sale of lymph, viz., Rs. 1,846-8-0, has been deducted from the total cost.

† Paid from Abkari Funds.

VACCINATION RETURNS.

B—DISPENSARY VACCINATION.

STATEMENT No. III showing *Dispensary Vaccination in the Madras Presidency during the official year 1905-1906—continued.*

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary and secondary vaccinations.					Re-vaccination.			Percentage of successful cases excluding unknown.		Percentage of unknown cases.		
					Total.	Successful.			Unknown.	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	
Coimbatore District																	
—cont.																	
Kangayam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Karur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kollegal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mettupalaiyam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palladam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Perundurai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pollachi, Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Satyamangalam	...	...	16	...	...	...	...	...	...	16	...	7	...	...	...	...	43·7
Udamalpet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	20	...	4	1	...	1	...	16	...	7	25·0	...	...	...	43·7
Cuddapah District.																	
Badvel	...	...	26	...	19	4	15	19	...	7	7	...	100·0	100·0	...	...	...
Cuddapah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jammalamadugu	...	...	11	...	...	...	...	...	...	11	6	...	...	54·5	...	...	...
Kadiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madanapalle	...	...	16	...	2	2	...	2	...	14	14	...	100·0	100·0	...	...	...
Piluru	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Proddatur	...	...	9	...	...	...	...	...	...	9	9	...	...	100·0	...	...	...
Pulivendla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Razampet	...	...	9	...	...	...	...	...	...	9	8	...	...	88·8	...	...	...
Rayachoti	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Siddhavattam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Voyalpad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vainpalle	...	...	9	...	7	...	4	4	...	2	...	...	57·1	...	...	...	...
Total	...	...	80	...	28	6	19	25	...	52	44	...	89·3	84·6	...	...	...
Ganjām District.																	
Aska	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Berhampur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Calingapatnam	...	...	39	...	29	1	18	27	...	10	7	...	98·1	70·0	...	...	...
Chatrapur	...	...	10	...	10	...	6	10	...	...	...	...	100·0	...	...	...	...
Chicacole	...	...	9	...	...	...	...	...	...	9	5	...	...	55·5	...	...	...
Ganjām	...	...	37	...	33	4	22	28	2	4	4	...	90·3	100·0	6·0	...	...
Garasaboda	...	...	26	...	26	4	12	15	6	...	...	...	80·0	...	23·0	...	...
Gopalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ichhapuram	...	...	51	...	51	16	23	39	...	...	...	...	76·4	...	...	...	...
Narasannapeta	...	...	33	...	33	4	19	33	...	...	...	...	100·0	...	...	...	...
Parlakimedi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Parushottapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Russellkonda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sompeta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Surada	...	...	22	...	19	2	8	10	3	3	1	...	62·5	33·3	15·7	...	...
Tekkali	...	...	52	...	52	14	21	37	...	...	...	...	71·1	...	...	...	...
Varanasi	...	...	28	...	28	2	13	23	...	...	...	...	100·0	...	...	...	...
Total	...	...	307	...	251	47	142	228	11	26	17	...	84·4	65·2	3·9	...	...
Goddavari District.																	
Amalapuram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Addatigela	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bendamurlanka	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bhadrachellam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chodavaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cocanada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1905-1906—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary and secondary vaccinations.					Re-vaccination.			Percentage of successful cases excluding unknown.		Percentage of unknown cases to total cases.		
					Total.	Successful.			Unknown.	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	
Guntur District—cont.																	
Sattenapalle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tenali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vinukonda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool District.																	
Allagadda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atmakūr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cumbum .. .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dhone	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gidjalore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kālara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kodamur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Koilkuntla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Markapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madikera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nandyal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nandikotkur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Owk	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pattikonda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madras Town.																	
Government Medical Dispensary for Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nurses' Dispensary.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly Dispensary.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madurai District.																	
Andalur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Annamalai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bachchanalambadi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Budlagudi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chettipatti	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chinnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chinnai, Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kannai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kinnaiyadi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Elankudi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kanniyadi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madurai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madurai Branch Dispensary.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madurai, Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mānāmadurai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mānā	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Medakulam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nankkudai	...	...	12	...	...	7	...	3	...	...	...	...	...	100.0	100.0	...	...
Nattam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1905-1906—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary and secondary vaccinations.					Re-vaccination.			Percentage of successful cases excluding unknown.		Percentage of unknown cases to total cases.	
					Total.	Successful.			Unknown.	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
Madura District—cont.																
Pámban ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Paramagudi ...	...	...	28	...	...	...	...	...	...	28	23	5	...	92.0	...	10.7
Periyakulam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rárásvaram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ránnad ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sáptár ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shólavandán ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sivaganga ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Thandikudi ...	...	...	17	...	3	...	...	1	...	14	8	5	50.0	88.8	25.3	35.7
Tirupattúr ...	...	...	11	...	2	...	...	2	...	9	...	1	100.0	...	...	11.1
Tirumangalam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tirupuvanam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tondi ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Usilampatti ...	...	...	7	...	...	...	...	...	...	7	4	1	...	66.6	...	14.2
Ottamappallyam ...	...	...	6	...	2	...	...	2	...	4	4	...	100.0	100.0	...	...
Vélasandúr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hyangudi ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	81	...	14	...	2	12	1	67	44	10	92.3	77.2	7.1	14.9
Malabar District.																
Angádiparam ...	...	...	4	...	1	...	...	...	...	...	...	...	100.0	...	...	...
Badagara ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Calicut ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chowghat ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cochin ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kollengudy ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manjári ...	...	...	28	...	24	...	...	31	...	...	...	...	91.3	...	17.8	...
Nilambár ...	...	...	17	...	17	...	2	11	...	...	...	...	64.7	...	...	...
Palghat ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palghat Branch ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ponnáni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Quilandi ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sultan's Battery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Talipparamba ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trippavár ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vayittiri ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Alattur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rattaparamba ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manantoddy ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	49	...	49	...	2	36	5	...	...	...	81.8	...	10.2	...
Nellore District.																
Ádcañki ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Allúr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atmakúr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buchireddipolam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dársi ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bugarasupatam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gudur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kandakur ...	...	...	28	...	19	...	...	13	4	9	2	4	86.0	40.0	21.0	44.4
Kalavayi ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kanigiri ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kávali ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kisnapatam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kota ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kottapatsa ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nárvudupet ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nellore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1905-1906—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary and secondary vaccinations.					Re-vaccination.			Percentage of successful cases excluding unknown.		Percentage of unknown cases to total cases.	
					Total.	Successful.			Unknown.	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—cont.																
Nellore Branch ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nellore Jábilee ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ongole ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pamocr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Podalakur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Podili ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rapur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salurpett ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Udayagiri ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Venkatagiri ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vinjamur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	28	...	13	...	...	13	4	9	2	4	86.0	40.0	21.0	44.4
Nilgiri District.																
Coonoor ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gudalur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kotagiri ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lawrence Asylum (Ootacamund).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Saint Bartholomew's Hospital (Ootacamund).	...	...	22	...	11	10	1	11	...	11	10	...	100.0	90.9	...	...
Pykara ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	22	...	11	10	1	11	...	11	10	...	100.0	90.9	...	...
North Arcot District.																
Ambúr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Arcot ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Arni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Arkonam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chittoor ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gudiyáram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kalahasti ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kuppam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palmanér ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Punganúr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puttúr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ráripéttai ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sholinghur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tirupati ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tiravettur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vellore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Venkatagirikotah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wárajápet ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wandiwash ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palmanér ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salem District.																
Atúr ...	...	...	16	...	...	...	...	...	...	16	10	...	...	82.5	...	...
Alangayam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Arumápet ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Denkanikota ...	...	...	278	...	268	121	53	182	3	70	56	4	93.6	84.8	1.4	67
Dharmapur ...	...	...	41	...	...	...	...	...	...	41	37	4	...	82.5	...	81

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1905-1906—continued.

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					Total.	Successful.			Unknown.	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
Salem District—cont.																
Harūr	...	...	17	...	4	...	...	...	...	13	8	5	100.0	...	...	38.4
Hosūr	...	...	2	...	2	...	...	...	...	...	...	...	100.0	...	...	...
Krishnagiri	...	...	13	...	...	...	...	...	...	13	10	2	...	90.9	...	15.4
Namakkal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Omair	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palakōḍi	...	...	42	...	14	...	...	12	2	23	22	3	100.0	88.0	11.2	10.7
Pennagaram	...	...	28	...	...	...	...	...	...	28	17	3	...	68.0	...	10.7
Razipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rayachoti	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salem	...	...	3	...	...	...	...	...	...	3	3	...	...	100.0	...	...
Sankaridrug	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sendamangalam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Thali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Thamrapatti	...	...	27	...	14	...	...	14	...	13	13	...	100.0	100.0	...	...
Tiruchengōḍi	...	...	27	...	17	...	...	12	...	10	5	...	70.6	50.0	...	...
Tirupattūr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tirupattūr, Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Uttangaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vaniyambādi	...	...	168	...	32	7	9	18	11	136	37	87	85.7	75.5	34.3	63.9
Yercaud	...	...	2	...	2	1	1	2	...	...	...	...	100.0	...	...	...
Women and Children Dispensary, Salem.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	667	...	293	129	63	256	16	374	218	108	92.4	82.1	5.4	28.8
South Arcot District.																
Chengam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chidambaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddalore, Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gingee	...	...	6	...	6	...	...	...	6	...	...	...	...	...	100.0	...
Kallakurichi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurinjipādi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mannārgudi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Markanam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nellikuppam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
New Town, Cuddalore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Old Town, do.	...	...	...	...	...	...	...	...	...	13	11	2	100.0	...	15.3	...
Paaruti	...	...	13	...	...	...	...	...	...	...	...	...	...	...	...	...
Porto Novo	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sankaripuram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Srimushnam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tindivanam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tirukōyilūr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tirupāppuliyūr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tiruvannāmalai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tittagudi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ulundūrpettai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vancoor	...	...	6	...	5	...	...	...	5	1	46	15	31	100.0	100.0	67.3
Villapuram	...	...	46	...	...	...	...	...	...	46	15	31	...	...	...	9.0
Vridhachalam	...	...	20	...	9	...	...	7	2	11	10	1	100.0	100.0	22.2	9.0
Total	...	...	91	...	20	...	...	7	13	71	36	34	100.0	97.2	65.0	47.6
South Canara District.																
Amindivi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bāntvāl	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Beindur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Beitangudy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1905-1906—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary and secondary vaccinations.					Re-vaccination.			Percentage of successful cases including unknown.		Percentage of unknown cases to total cases.	
					Total.	Successful.			Unknown.	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
South Canara District—cont.																
Hebri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hosdurg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Karkat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kasargod	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kundapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mangalore Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mangalore Wenlock Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manjeswar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mooki	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mudabidri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pattur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shenkarnaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sallia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Udipi	...	...	3	...	...	...	...	...	...	3	...	3	...	...	...	100.0
Uppinangady	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	3	...	...	...	...	...	...	3	...	3	...	...	...	100.0
Tanjore District.																
Arantangi	...	...	20	...	20	1	10	11	...	...	...	...	55.0	...	...	...
Adirampattanam	...	...	24	...	24	2	6	11	...	...	...	...	45.8	...	...	...
Ammanachaturam Dispensary.	...	...	7	...	7	...	7	7	...	...	...	...	100.0	...	...	...
Avadayarkoil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ayyampettai	...	...	11	...	11	...	6	11	...	...	...	...	100.0	...	...	...
Enanguly	...	...	2	...	2	...	1	2	...	...	...	...	100.0	...	...	...
Gaudamakotai	...	...	6	...	6	1	2	5	...	...	...	...	83.3	...	...	...
Karthattangudi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kivalur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kodavasal	...	...	33	...	19	6	7	10	...	14	12	...	100.0	85.7	...	...
Kumbakonam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kumbakonam Branch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kuttanallur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Maramalkudi	...	...	24	...	24	...	3	24	...	...	...	...	100.0	...	...	...
Manamboochavady	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mannargudi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mayavaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Minissal	...	...	24	...	17	...	8	14	...	7	4	...	82.3	57.1	...	...
Muttupet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nagore	...	...	6	...	...	...	...	...	...	6	6	...	...	100.0	...	...
Nannjiam	...	...	20	...	11	1	...	17	...	18	8	...	100.0	11.4	...	...
Neyyattal	...	...	8	...	...	...	...	...	...	8	8	...	...	100.0	...	...
Nidamangalam	...	...	15	...	15	2	11	14	...	...	...	...	93.3	...	...	...
Orthanad	...	...	18	...	10	...	4	6	...	8	3	...	60.0	...	37.5	...
Papanasam	...	...	3	...	3	...	3	3	...	...	...	...	100.0	...	...	...
Pattukkottai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Porayar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rajah Mirasidar Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shiyali	...	...	32	...	32	...	...	26	...	...	...	...	81.2	...	...	...
Tirukkattupalli	...	...	19	...	19	1	12	13	...	...	...	...	68.4	...	...	...
Tiruppondy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tiratturupundi	...	...	21	...	1	...	1	1	...	20	20	...	100.0	100.0	...	...
Tiruvamarudur	...	...	20	...	20	3	12	16	...	...	...	...	80.0	...	...	...
Tiruvadi	...	...	8	...	8	...	6	8	...	...	...	...	100.0	...	...	...
Tiruvallur	...	...	8	...	8	3	3	8	...	...	...	...	100.0	...	...	...
Tranquebar Branch	...	...	17	...	17	...	14	14	...	...	...	...	82.3	...	...	...
Vadugachery	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vedarur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1905-1906—continued.

[illegible]

B—DISPENSARY VACCINATION.

STATEMENT No. III showing *Dispensary Vaccination in the Madras Presidency during the year 1905-1906—continued.*

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary and secondary vaccinations.					Re-vaccination.			Percentage of successful cases excluding unknown.		Percentage of unknown cases to total cases.	
					Total.	Successful.			Unknown.	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
<i>Vizagapatam District.</i>																
Anakapalle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bimlipatam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bobbili	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do. Gosha Hospital	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chitaurapalle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chodavaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gajapatinagarum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jami	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurapam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nakkapilli	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Narasapatnam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palkonda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Parvatipuram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pondur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Razam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sailur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Strangavarapukota	...	...	...	3	...	3	...	3	...	...	...	...	100-0	...	...	...
Veeraghattam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vizagapatam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vizagapatam Female Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vizianagaram Maha- raja's Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vizianagaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Waltair	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yellamanchili	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malkangiri	...	...	3	...	...	...	...	...	...	3	3	...	...	100-0	...	...
Total	...	...	6	...	3	...	...	3	...	3	3	...	100-0	100-0	...	...
Grand Total	...	...	2,100	...	1,204	271	445	1,024	102	793	431	175	85-2	79-0	7-8	22-0

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

Establishment.	Persons primarily vaccinated.									
	1896-97.	1897-98.	1898-99.	1900-1900.	1900-1901.	1901-1902.	1902-1903.	1903-1904.	1904-1905.	1905-1906.
Government vaccinators ...	21,051	30,094	25,693	38,320	22,537	32,475	28,677	22,574	28,480	35,409
Local Fund do. ...	1,027,612	927,372	1,021,550	873,875	757,498	934,559	834,403	1,062,880	1,064,042	1,064,048
Cantonment do. ...	4,154	3,628	3,840	4,750	4,446	5,109	4,824	5,461	5,016	5,468
Zamindari do. ...	7,495	6,405	9,363	10,822	9,124	8,837	6,743	6,418	7,892	10,586
Municipal do. ...	101,276	96,389	102,068	96,281	90,546	100,777	95,586	105,240	110,900	105,556
Dispensaries ...	12,064	10,267	9,754	11,462	9,320	10,219	9,416	10,271	8,952	11,045
Medical subordinates ...	1,295	1,088	1,511	4,173	3,236	3,747	2,835	4,190	3,205	4,085
Total ...	1,173,131	1,062,460	1,062,460	1,062,460	1,062,460	1,062,460	1,062,460	1,062,460	1,062,460	1,062,460

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

APPENDIX.

STATEMENT No. V showing particulars of Vaccination verified by Inspecting Officers during 1905-1906.

Districts.	Total number of persons vaccinated.		Total number inspected.		Percentage of inspection to total number vaccinated.				Percentage of cases found successful to total number inspected.		Percentage of success as reported by Vaccinators.	
	Primary and second-ary vaccinations.	Re-vaccination.	Primary and second-ary vaccinations.	Re-vaccination.	By Civil Surgeons.	By Native Superintendents or other Inspecting Officers.	By Civil Surgeons.	By Native Superintendents or other Inspecting Officers.	By Civil Surgeons.	By Native Superintendents or other Inspecting Officers.	Primary and second-ary vaccinations.	Re-vaccination.
Anantapur ...	31,136	965	792	45	16,648	259	22	49	634	267	97.9	46.7
Bellary ...	34,520	2,716	187	101	16,562	94	0.7	3.4	47.3	3.4	97.8	34.9
Chingleput ...	43,935	5,704	318	346	25,217	1,126	2.7	3.4	57.4	10.7	96.5	71.2
Coimbatore ...	67,724	4,612	2,317	1,107	26,143	233	3.4	24.0	38.6	16.6	94.9	58.8
Cuddalore ...	41,567	865	537	131	27,998	147	2.3	14.8	37.2	30.5	97.5	77.8
Gadag ...	72,873	3,830	880	408	52,867	1,316	1.4	14.0	73.9	7.7	98.1	88.0
Gulbarga ...	55,468	6,055	2,665	551	41,567	471	4.8	9.3	54.9	25.7	97.1	67.1
Guntur ...	53,216	977	1,510	257	49,837	252	2.5	26.3	90.2	35.8	95.5	81.5
Kannur ...	81,655	1,853	133	54	40,834	639	0.5	...	60.9	18.8	100.0	...
Krishna ...	31,665	1,755	157	...	18,553	3,317	...	...	73.2	11.8	80.3	...
Madras ...	25,377	29,049	3,906	1,779	52,083	726	2.4	14.7	47.4	13.6	95.6	47.7
Madurai ...	104,783	5,307	3,906	1,559	11,266	688	2.7	18.5	34.3	10.6	99.9	77.2
Malabar ...	120,253	6,759	3,224	1,437	31,578	385	3.4	30.2	73.9	14.5	91.8	71.3
Nellore ...	42,106	2,449	1,437	830	31,578	385	3.4	30.2	73.9	14.5	91.8	71.3
Nilgiris ...	5,004	930	100	25	2,804	84	2.0	2.6	37.9	9.3	94.0	88.0
North Arcot ...	46,553	4,370	809	236	36,143	519	1.7	16.0	73.7	11.1	93.9	75.8
North Arcot ...	71,048	6,629	3,855	1,110	59,803	1,982	5.4	16.6	66.4	20.7	98.2	68.2
Palani ...	69,859	2,185	2,066	609	58,719	66	2.9	27.9	55.2	8.0	94.5	71.7
South Arcot ...	37,034	2,043	2,043	245	44,923	2,501	5.4	12.0	35.5	17.5	97.9	89.3
South Canara ...	79,405	8,557	3,162	825	72,245	2,345	3.3	37.7	71.0	29.2	98.7	69.2
Tanjore ...	73,983	2,251	1,790	747	62,194	703	8.8	38.5	65.1	15.4	97.0	84.2
Tinnevely ...	66,264	2,168	5,203	747	53,064	855	0.3	0.1	53.4	25.8	95.8	100.0
Trichinopoly ...	97,053	3,812	383	7	83,241	855	0.3	0.1	53.4	25.8	95.8	100.0
Vizagapatam ...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	1,352,704	104,863	41,756	10,277	803,749	16,464	2.0	2.9	50.4	15.7	90.4	73.5

* Excludes cases performed in the Cantonments.

VACCINATION RETURNS.

STATEMENT No. VII showing Inspection Work done by Deputy Inspectors during the year 1905-1906.

Circles.	Number of inspecting officers.			Number of villages visited.			Total number of persons vaccinated.	Number of days spent on inspection daily.	Number of cases verified.			Total number of cases inspected by deputy inspectors of all sorts.	Total number of successful cases to total number inspected as reported by deputy inspectors.	Percentage of successful cases to total number inspected as reported by deputy inspectors.	Proportion per cent. of inspection to total number vaccinated.		
	First-grade deputy inspectors.	Second-grade deputy inspectors.	Third-grade deputy inspectors.	First and second grade deputy inspectors.	Third-grade deputy inspectors.	First and second grade deputy inspectors.			Third-grade deputy inspectors.	First and second grade deputy inspectors.	Third-grade deputy inspectors.						
Arantapur	1	...	...	365	...	18,571	258	8,854	...	8,854	8,044	90.3	46.9	...	...		
Penukonda	...	...	1	...	391	12,503	273	...	8,052	8,052	7,494	93.0	...	69.2	...		
Bellary	1	...	...	420	...	20,413	203	8,498	...	8,498	7,579	89.2	41.6	...	...		
Harpanahalli	...	...	1	...	528	11,325	333	...	8,158	8,158	7,850	96.2	...	72.0	...		
Chingleput	1	...	...	659	...	25,005	271	14,073	...	14,073	13,511	96.0	56.2	...	...		
Saidapet	1	...	...	421	...	21,639	203	12,270	...	12,270	11,819	96.5	56.7	...	...		
North Coimbatore	...	1	...	682	...	18,016	241	9,990	...	9,990	9,167	91.7	52.8	...	...		
South Coimbatore	...	...	1	...	373	17,908	242	...	11,740	11,740	10,271	87.4	...	65.5	...		
East Coimbatore.	1	...	...	269	...	29,884	247	14,666	...	14,666	11,253	76.7	49.0	...	...		
Cuddapah	1	...	...	268	...	11,825	244	8,554	...	8,554	6,879	80.4	72.3	...	...		
Madanapalle	1	...	...	1,617	...	20,337	269	12,551	...	12,551	11,899	94.8	61.7	...	...		
Siddhavattam	...	1	...	718	...	9,219	249	6,959	...	6,959	5,647	81.2	75.3	...	...		
Chattrapur	1	...	...	545	...	22,047	196	14,082	...	14,082	12,965	92.0	63.8	...	...		
Chicacole	1	...	...	552	...	17,282	315	12,606	...	12,606	11,082	87.9	72.9	...	...		
Ganjām Hill Tracts	1	...	...	721	...	15,544	237	12,942	...	12,942	11,687	90.2	83.2	...	...		
Russellkonda	...	...	1	...	789	17,274	243	...	15,453	15,453	13,642	88.3	...	89.4	...		
Cucanada	...	...	1	...	505	31,791	259	...	22,606	22,606	18,585	73.3	...	71.1	...		
Rajahmundry	...	...	1	...	340	17,256	215	15,018	...	15,018	11,281	75.1	97.0	...	...		
Local and Vaccinators in Agency.	...	...	1	...	225	8,652	194	...	4,434	4,434	3,210	72.4	...	121.4	...		
Ellore Circle	1	...	...	507	...	33,546	246	20,965	...	20,965	15,520	74.0	61.7	...	...		
Masulipatam	1	...	...	523	...	43,348	269	23,185	...	23,185	17,507	60.0	67.3	...	...		
Guntur	1	...	...	506	...	27,024	277	28,921	...	28,921	25,502	88.1	109.5	...	...		
Narasaraopet	...	...	1	...	568	24,143	237	...	19,362	19,362	15,210	78.5	...	89.1	...		
Bapatla *	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...		
Cumbum	...	1	...	380	...	13,700	305	8,737	...	8,737	7,713	88.2	63.7	...	...		
Kurnool	1	...	...	412	...	17,430	265	12,796	...	12,796	10,785	84.2	73.4	...	...		
Madras	1	...	4	...	...	53,426	287	3,006	19,104	22,170	21,619	97.5	61.3	...	...		
Dindigul	...	...	1	...	170	25,269	238	...	15,370	15,370	13,990	91.0	...	60.8	...		
Madura	...	1	...	539	...	26,750	230	12,048	...	12,048	11,411	94.7	45.0	...	...		
Paramagudi	...	...	1	...	314	28,849	218	11,618	...	11,618	11,162	96.1	40.2	...	...		
Tirumangalam	...	...	1	...	320	22,868	272	...	13,775	13,773	13,187	95.8	...	60.1	...		
Tellicherry	1	...	...	159	...	30,232	242	12,720	...	12,720	12,357	97.1	42.0	...	...		
Calicut	...	...	1	...	125	41,449	261	...	13,475	13,475	12,966	96.6	...	32.5	...		
Palghat	...	...	1	...	171	35,860	245	...	15,769	15,769	15,203	96.4	...	42.7	...		
Central (Nellore).	...	...	1	...	203	13,445	249	...	10,288	10,288	9,208	89.5	...	76.5	...		
Southern (Nellore)	...	...	1	...	500	16,457	282	...	10,973	10,973	9,511	86.6	...	66.6	...		
Northern (Nellore)	1	...	...	423	...	11,824	260	11,002	...	11,002	8,661	78.7	92.9	...	...		
Nilgiris	...	...	1	...	334	3,811	258	...	2,978	2,978	2,949	99.0	...	78.1	...		
Chittoor	...	...	1	...	833	16,829	271	13,939	...	13,939	12,936	92.2	82.8	...	...		
Vellore	1	...	...	461	...	16,357	279	10,168	...	10,168	9,397	92.4	62.0	...	...		
Karvetnagar	...	...	1	...	577	13,024	280	...	12,560	12,560	11,961	95.2	...	96.4	...		
Northern (Salem).	...	...	1	...	398	16,459	196	...	9,379	9,379	8,850	94.3	...	56.9	...		
Salem Circle (Central)	1	...	...	749	...	27,126	264	17,684	...	17,684	15,926	90.0	65.1	...	...		
Nāmakkal	...	...	1	...	250	27,543	219	...	14,122	14,122	12,327	87.2	...	51.2	...		
Cuddalore	...	...	1	...	285	31,392	202	15,706	...	15,760	13,681	86.8	50.3	...	...		
Viduthalam.	...	...	1	...	474	15,883	237	...	11,742	11,742	10,178	86.6	...	76.3	...		
Tirovanmalai.	...	...	1	...	316	20,314	241	...	11,283	11,283	10,396	92.1	...	55.5	...		
Northern (South Canara)	1	...	...	239	...	21,567	261	12,228	...	12,228	11,234	91.8	56.6	...	...		
Kasaragod	...	...	1	...	170	15,519	271	...	9,090	9,090	7,559	83.2	...	58.5	...		
Tanjore	...	1	...	458	...	26,469	280	16,735	...	16,735	15,214	90.9	63.2	...	...		
Negapatam	...	...	1	...	416	28,186	232	...	14,687	14,687	14,124	96.1	...	52.1	...		
Patukkottai	...	...	1	...	508	20,401	290	...	16,002	16,002	14,958	93.4	...	78.4	...		
Srivillipattur	...	...	1	...	347	21,424	355	...	14,361	14,361	12,544	87.3	...	67.0	...		
Sérmadéri	...	...	1	...	535	22,417	282	...	18,275	18,275	18,186	99.5	...	51.5	...		
Tinnevely	1	...	...	348	...	25,499	287	20,286	...	20,286	19,082	94.1	79.5	...	...		
Trichinopoly	1	...	...	319	...	30,188	233	19,040	...	19,040	16,594	87.2	63.0	...	...		
Ariyalor	...	...	1	...	519	21,398	272	...	14,462	14,462	12,320	85.1	...	67.5	...		
Gunupur	...	...	1	...	417	9,687	210	...	8,034	8,034	7,569	94.2	...	83.1	...		
Jeypore	1	...	...	843	...	20,391	258	9,324	...	9,324	7,513	80.6	45.6	...	...		
Vizagapatam	...	...	1	...	240	27,002	252	...	17,923	17,923	14,712	82.0	...	66.3	...		
Vizianagaram	1	...	...	307	...	37,545	246	19,518	...	19,518	17,062	87.4	51.9	...	...		
Total	26	7	532	16,182	10,499	1,326,737	255	45,638	26,355	35,219	720,189	87.8	61.7	64.0	...		

In working out these percentages, the figures relating to Madras have not been taken into account.

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less than that attained by Local Fund and other vaccinators, but it appears not improbable that in rural areas the figures of the vaccinators may have been accepted without sufficient verification. The attention of the Presidents of District Boards will be drawn to the remarks of the Inspector of Vaccination in paragraph 4 (c) of his report.

4. Owing to an increase in the total cost of establishments, especially in Local Fund areas, the average cost of each successful case rose from As. 3-5 to As. 3-7. The cost per case exceeded As. 4 in the districts of Cuddapah, Gódvári, Nellore, the Nilgiris, North Arcot, South Canara and Vizagapatam and was in excess of As. 8 in the Municipalities of Bimlipatam, Chidambaram and Coonoor. The local bodies concerned will be requested to consider whether they cannot effect a reduction in the cost by requiring their vaccinators to perform a larger number of operations. It is observed that the expenditure on vaccination detailed in Statement II appended to the report does not include the amount payable towards the cost of lymph supplied during 1905-1906 from the King Institute, as under G.O., No. 1527 L., dated 25th December 1905, the recoveries on this account will be made in the current year. If this amount be added, the cost per case will be raised by 4 pies.

5. The number of children under one year returned as successfully vaccinated increased from 434,701 to 462,317 or by 6.3 per cent. The increase occurred both in Local Fund and Municipal areas. The progress was marked in the district of Kistna, where 18,349 children were successfully vaccinated against 11,946 in the previous year. In the Municipal towns of Adóni, Bellary, Coonoor, Nellore, Srirangam and Vellore, however, more than 50 per cent. of the children available for vaccination according to the registers of births remained unprotected from small-pox. The attention of the Councils concerned will be drawn to the necessity for a strict enforcement of the provisions of the District Municipalities Act in regard to compulsory vaccination. Orders will issue in the Judicial Department with reference to the remarks of the Inspector of Vaccination in paragraph 12 of his letter as to the leniency shown by Magistrates in disposing of cases charged before them for failure to comply with the provisions of the law in regard to vaccination.

6. More than 61 per cent. of the vaccine operations were verified by the Deputy Inspectors of Vaccination; but 9 of these officers failed to verify 50 per cent. of the cases. The explanations offered have been accepted by the Inspector as satisfactory except in the case of the Deputy Inspector of Calicut who verified only 32.5 per cent. of the cases. The District Medical and Sanitary officers verified 3.6 per cent. of the operations during their tours of inspection, but the work done by these officers in Bellary, Chingleput, Kistna, Kurnool and Vizagapatam was insignificant. In future reports the verification work done by the Sanitary Assistants to the District Medical and Sanitary officers of Tanjore, Madura, South Arcot and Gódvári and the officers of this rank who may, hereafter, be appointed should be separately shown in Statement V appended to the report.

7. No separate figures have been furnished in respect of vaccination under the newly constituted District Board of Koraput. The operations are apparently included in those of the Vizagapatam district, of the administrative district of which it forms a part. Separate statistics should, in future, be furnished in respect of this District Board.

8. A scheme for the reorganization of the Vaccination establishments and for making vaccination and registration of births compulsory has been sanctioned by Government for introduction in the current year, in the district of Chingleput generally, and in parts of the districts of North Arcot, South Arcot and Madura, and it is hoped that there will be a substantial improvement in vaccination and revaccination in these districts.

9. The lymph required was supplied to all the districts in the Presidency from the vaccine section of the King Institute. Steps have been taken in the current year for extending the supply to the Corporation of Madras which hitherto has been making its own arrangements for the lymph required by it. The average percentage of success for the whole year with the lymph supplied by the King Institute was 92.3; it was lowest (85 per cent.) in the month of May and gradually rose till it reached 97 per cent. in January, from which date it again slightly declined. Taking the districts individually the best results were obtained in Malabar and the Nilgiris (99 per cent.);

in Anantapur, Bellary, Madura and North Arcot, the proportion of success was in excess of 95 per cent.; in 15 other districts it ranged between 86 and 95 per cent.; while in Gódvári it was lowest, being only 84 per cent. As has been noted in paragraph 3 *supra*, however, the figures quoted for rural areas are open to some suspicion, a result which can only be avoided by greater industry on the part of verifying officers.

10. The Government note with pleasure the valuable work performed in the King Institute both in the vaccine and in the Bacteriological sections, and trust that the facilities for research work which the latter section affords will be fully availed of not only by the medical profession, but by all officials who are responsible for the general health of the community. Orders have issued that for the future the work of the Bacteriological section of the Institute should be dealt with in a separate report and not in that dealing with the vaccine supply.

11. The question of providing residential quarters for officers wishing to undertake research work at the laboratory was raised by the Sanitary Commissioner in his letter No. 2768-S., dated 30th November 1905. The matter is still under consideration.

12. Candidates for the appointment of Deputy Inspector of Vaccination were put through a course of training at the King Institute during the year and a class will be held during the current year for the benefit of candidates seeking appointment as vaccinators. As in the previous year, the Assistant Sanitary Engineer delivered at the Institute a course of lectures on Minor Sanitary Engineering extending over a period of five months, this having been prescribed as a qualification for Sanitary Inspectors and Sanitary Assistants to District Medical and Sanitary Officers. The Government of India have been addressed on the subject of the appointment of a second Commissioned Medical officer for the more immediate charge of the Vaccine section of the Institute in place of the present Deputy Superintendent.

(True Extract.)

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

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தமிழ்நாடு ஆவணக்காப்பக நூலகம்,
எழும்பூர், சென்னை-600 008.

தவணைத்தாள்.

சே. எண் :

ப. எண் :

வழங்கிய நாள். (1)	திரும்பிய நாள். (2)	வழங்கிய நாள். (1)	திரும்பிய நாள். (2)
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