

Revenue (1897) Department.

MISCELLANEOUS SERIES.

G.O., No. 5111

DATED 29 Sep 1897

[Despatch Abstract.]

Copy to the Board of Rev. with remark.
Progs of the Local & Municipal Dept. re
viewing the report on vaccination
for 1896-97.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Government { 1897 } of Madras.
LOCAL AND MUNICIPAL.



Recd.

Regd.

1897.

Enclosures

Spare copies

G.O., &c., Nos. 1657, 1657-A L., 30th August 1897.

AUGUST.

Vaccination.

Reviewing the report on — for 1896-97.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following paper :—

From Surgeon-Lieutenant-Colonel W. G. KING, M.B., C.M., D.P.H., Sanitary Commissioner for Madras, to the Secretary to Government, Local and Municipal Department, dated 1st July 1897, No. 960-V.

I have the honour to forward herewith four stitched copies of the Vaccination report for 1896-97. The diagrams which appear in the copy of the report signed by the Inspector of Vaccination will be inserted in the bound copies.

ORDER—No. 1657 L., dated 30th August 1897.

With his letter read above, the Sanitary Commissioner forwards the report of the Inspector of Vaccination and Deputy Sanitary Commissioner on the working of the Vaccination Department in 1896-97.

2. *Work done by the several agencies.*—The following statement shows the total reported number of operations performed by the several agencies in each of the past five years and the average cost of each case reported to be successful :—

Vaccine agency.	Number of operations.				
	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.
(a) Government vaccinators in hill tracts ..	15,142	15,806	18,960	20,537	21,350
(b) Local Fund vaccinators	967,991	992,390	1,009,994	1,011,802	1,068,430
(c) Municipal vaccinators	114,063	113,837	118,135	120,190	118,665
(d) Cantonment staffs	6,089	5,489	3,739	5,366	5,551
(e) Dispensary staffs	38,311	28,513	26,410	19,201	13,370
(f) Medical subordinates	15,142	16,439	16,870	14,732	12,748
(g) Zamindari vaccinators	6,883	6,359	5,814	6,343	7,516
Total ..	1,164,541	1,178,832	1,198,922	1,198,171	1,247,720
Average cost ..	A. P. 3 5	A. P. 3 5	A. P. 3 5	A. P. 3 5	A. P. 3 5

The total number of operations reported to have been performed during the year showed an increase of 49,549 or 4.1 per cent. over the figure for the previous year, but the average cost of each reported successful case remained the same. This was mainly due, notwithstanding an increase in the total cost of establishment, to a slight fall in the reported rate of success, which, in the opinion of Surgeon-Major Bannerman, was a consequence probably of the greater accuracy of the figures. It is observed that the ratios of success given in the table in paragraph 9 differ from the percentages shown in Statement I, but the latter does not include dispensary vaccination which is exhibited separately in Statement III. There was an improvement in the amount of work done by all the agencies, except the municipal vaccinators, dispensary staffs, and medical subordinates. In respect of the last two, vaccination was rendered optional by G.O., No. 1066 L., dated 9th May 1892; but although this is the case, it was not intended that these medical officers should not take every suitable opportunity which presented itself in their practice of performing the operation. The great decline in the number of vaccinations performed by them is not satisfactory; nor is the short

work done in municipalities. The total number of re-vaccinations fell from 77,546 to 74,589, the decrease being, in the opinion of the Inspector of Vaccination, largely the result of the inefficiency and want of influence of the Vaccination staff. The importance of re-vaccination will be once more impressed upon local bodies, who should take steps to deal adequately with the matter.

3. *Verification by Deputy Inspectors.*—The number of cases reported to have been verified by the Deputy Inspectors rose from 594,423 to 617,632. Of these officers, nine against twelve in the previous year failed to verify 50 per cent. of the cases in their ranges, and it is stated that explanations have been called for. The Deputy Inspectors of Vizianagram, Ellore, Paramagudi, Dindigul and Salem appear to have done particularly good work. But the work of the Deputy Inspectors generally, as Surgeon-Major Bannerman indicates in paragraph 3 of the report, is in many cases open to suspicion. The District Medical and Sanitary Officers inspected 30,488 cases against 25,512 in 1895-96. The number of cases verified by the Inspector of Vaccination himself was considerably smaller than in the previous year, but this was due to the fact that, during three of the best working months of the year, Dr. Bannerman was either ill or employed on other more pressing duties. The report should have contained some information as to the special character of the irregularities noticed by the Inspector in the course of his tours. The scheme for the employment of two Assistant Inspectors of Vaccination referred to in paragraph 3 of the report must lie over until orders have been passed on the proposals for the reorganization of the Vaccination department now before Government. The suggestion made by the Inspector in paragraph 4 should form the subject of a separate communication.

4. *Infantile Vaccination.*—Excluding the figures relating to the cantonments of Bangalore and Secunderabad, the total number of reported operations during the year was 34.8 per mille of the population against 33.5 in the previous year, and the number of children under one year successfully vaccinated was 328,383 against 311,912, being 33.6 per cent. of the registered number of births against 32.1 in 1895-96. Infantile vaccination was still very unsatisfactory in the districts of Tanjore, Gódvári, Ganjam, South Canara and Malabar. The results in the last-mentioned district are particularly bad; the special attention of the Collector will be called to the subject. The best results appear to have been obtained, as in the previous year, in the districts of Madura, Coimbatore and Chingleput and in the municipalities of Madura, Ootacamund and Coonoor; but in the city of Madras only 69 per cent. of the children born during the year are shown to have been successfully vaccinated. The outturn of work in Tanjore, Srirangam, Cuddapah and Kumbakonam was far from satisfactory, being less than 60 per cent. The special attention of the municipal councils concerned will be drawn to this neglect, which indicates a failure in the duty of enforcing the compulsory clauses of the Act. As compared with the previous year, the largest increase in the proportion of infants protected was in the Madura Municipality, where the rise was 21.4 per cent., ascribed to the vaccination of a large number of infants belonging to strangers. The most serious fall occurred at Parlákimedi (21.2 per cent.) and Chicacole (18.7 per cent.), and this is attributed to the insufficiency and bad quality of the vaccine paste supplied from the Chicacole dépôt. It should have been explained what steps are taken to insure that an efficient vaccine is supplied from the dépôts and to check at an early stage the issue of a bad quality.

5. *Agency Tracts.*—The work of the Government vaccinators in the Agency tracts of Ganjam, Vizagapatam and Gódvári, taken as a whole, showed a further increase, the total number of operations performed being 21,350 against 20,537 in 1895-96 and 18,960 in 1894-95. The average number of operations performed by each vaccinator in the Jeypore range rose from 653 to 1,174, which is satisfactory; but there was a large decrease in Ganjam and in the Gudum Hills, which has not been explained.

6. *Local Fund Areas.*—There was an increase of 56,628 in the number of operations performed in local fund areas, and the average outturn of each vaccinator rose from 1,517 to 1,559. In thirteen districts there was an increase, which was considerable in Vizagapatam (22,844), Ganjam (11,382), Kistna (11,041), Gódvári

(8,827) and Nellore (8,767). It is noteworthy that Vizagapatam showed the largest falling off in 1895-96 and that there was a large decrease also in Kistna in that year. On the other hand, there was a decline in the eight districts noted in the margin. In South Arcot there was a decrease in the previous year also, while in Tinnevely and Malabar, this has occurred for the last three years in succession. The explanations of this which have been offered cannot be considered adequate, and the earnest attention of the Presidents of the district boards concerned is drawn to the subject. The average outturn of each vaccinator was highest in Vizagapatam (2,584); Trichinopoly followed next with 2,013 cases; and the average was more than 1,500 cases in Chingleput, Coimbatore, Madura, Salem, South Canara, Tanjore and Tinnevely. Compared with the previous year, there was a large advance in Vizagapatam from 1,930 to 2,584, which is noted with satisfaction, and a corresponding fall in Kurnool from 1,985 to 1,359, which has not been explained. The reported quality of the work done showed a general fall—thirteen districts exhibiting a lower percentage of success than in the previous year and the total proportion of success falling from 92.5 to 92.0—but this was probably due to more accurate returns and more careful supervision on the part of the verifying officers. The percentage of reported success including revaccinations was high in the Nilgiris (99.3), Trichinopoly (98.6), Cuddapah (98.4), Madura (98.4) and South Arcot (98.3). The lowest figures were reported in Malabar (81.9), Nellore (82.8), Gódvári (83.2), Tanjore (83.6) and Ganjam (84.7). The percentage of success verified by the Inspector of Vaccination during his special tours was only 79.8, and there is reason to believe that the figures reported by the Vaccination staff are not always trustworthy. The general percentage of success throughout local fund areas in respect of revaccinations is shown as 81.3. Several districts however return more than 90 per cent. These extraordinary results, coupled as they are with a high percentage of success in primary vaccinations, require explanation. It is probable that in some places revaccination is misunderstood and that persons in whose case the primary operation has failed and who have been subsequently vaccinated are shown under the head of "revaccination." The subordinate staff should be made clearly to understand that revaccination is applicable only to cases in which there has been previously a successful primary vaccination. The average cost of each successful case which was As. 3-3 in 1895-96 fell by one pie in the year under review. It varied from As. 6 in the Nilgiris to As. 2-1 in Salem, and was more than As. 4 in Anantapur, Bellary, Cuddapah, Gódvári, Kurnool and Malabar. The cost in Anantapur, Bellary, Kurnool and Malabar was also higher than in the previous year, and the district boards concerned should take early steps towards reducing the high cost in the current year. The work done in the different districts will be more fully noticed in reviewing the administration reports of the district boards. With regard to paragraph 8 of the report, the Inspector will be referred to G.O., Mis. No. 3899, Revenue, dated 30th September 1896, copy of which will now be communicated to him. The question of compulsory vaccination in unions or portions of a district will be considered in connection with the draft Bill to amend the Local Boards Act.

7. *Municipalities.*—Vaccination was compulsory in the City of Madras and in all the district municipalities in the presidency, except Tiruvannamalai and Chingleput, which were newly constituted municipalities during the year. It has since been made compulsory in Chingleput and immediate action should be taken, if this has not already been done, to bring into operation in Tiruvannamalai the compulsory provisions of the law. The total number of reported operations by the municipal vaccinators fell from 120,190 to 118,655, the decline occurring chiefly in Palghat (1,224), Masulipatam (921) and Negapatam (564). There was also a retrogression in 29 other towns. It is a matter for regret that this has occurred for the past three years in succession in Palghat, Vizagapatam and Tellicherry and for the past four years in Kilore, Cocanada, Tinnevely and Mangalore. The special attention of the councils concerned is

drawn to the matter, and the Government trusts that there will be an improvement in the current year. There was, on the other hand, an increase in 26 towns, which was most considerable in Trichinopoly (1,004). The proportion of infants successfully vaccinated to the registered births of the year rose from 77.5 to 78.3 per cent. The average outturn of work by each vaccinator was 1,069 against 1,559 in local fund areas, but owing to the closer supervision possible, the municipal returns are probably more trustworthy and genuine. It exceeded 1,000 cases in thirty towns, as in the previous year. It was highest in Madura (1,955) and Vizianagram (1,884). The average cost of each successful case rose from As. 4-10 to As. 5 and compared unfavourably with that in local fund areas, where it was only As. 3-2. It varied from As. 11-9 in Tirupati to As. 1-10 in Cuddalore and Madura, and exceeded As. 8 in Chidambaram, Ongole, Srivilliputtur, Kumbakonam and Walajapet. The councils of these five towns and of Tirupati should take early steps to reduce this excessive cost. From the table showing the working of the system, prescribed in G.O., No. 1502 M., dated 19th October 1894, for the better supervision of compulsory vaccination, it appears that the number of children under one year successfully vaccinated according to the monthly returns was far in excess of the number returned as successfully vaccinated out of the total births entered in the register and available for vaccination. The difference was large in Madura (2,282), Calicut (1,737) and Trichinopoly (1,042) and as the difference cannot be wholly attributed to cases of infants born elsewhere and brought into the town in the first year of life, the Government considers that the explanation for this should be sought for mainly in defective registration of births—a subject which demands the special attention of the municipal councils concerned. The total number of operations performed in the City of Madras was practically the same as in 1895-96, the percentage of success being 99.2 in the case of primary, and 87.1 in the case of revaccinations against 99.7 and 89.8, respectively, in the previous year. The cost of each successful case rose from As. 5-6 to As. 6. Infantile vaccination was almost stationary, only 69 per cent. of the children born during the year being successfully vaccinated. There is thus scope for much improvement, and the attention of the Municipal Commissioners is drawn to this matter. The work done in the several municipalities will, as usual, be more fully noticed in the reviews of their administration reports. With regard to the reported ratio of success in revaccinations in Municipalities, the Government has to repeat the remarks made in paragraph 6 above respecting these operations in local fund areas.

8. *Vaccination with animal lymph.*—The total number of operations with animal lymph was 1,241,843, or only 226 less than the total number of operations performed, against 1,190,541 and 2,264, respectively, in the previous year. The following statement shows the results of calf-to-arm vaccination, vaccination with animal lymph preserved in glass tubes or plates, glycerine paste, and lanoline paste, compared with the figures of the previous two years:—

		Number vaccinated.	Number of successful cases.	Percentage of success.
Calf-to-arm vaccination	1894-95	378,955	363,448	97.4
	1895-96	347,525	332,921	97.3
	1896-97	332,292	314,851	94.7
Vaccination with lymph preserved in glass tubes or plates.	1894-95	142,399	132,536	94.1
	1895-96	101,944	94,915	94.7
	1896-97	121,589	112,548	92.4
Vaccination with lymph preserved with glycerine.	1894-95	642,296	558,009	89.2
	1895-96	713,531	621,805	89.4
	1896-97	709,143	614,084	86.3
Vaccination with lymph preserved with lanoline.	1894-95	27,540	25,278	94.3
	1895-96	27,540	25,278	94.3
	1896-97	78,810	71,503	90.6
Total	1894-95	1,164,159	1,053,993	92.5
	1895-96	1,190,541	1,074,919	92.3
	1896-97	1,241,843	1,113,959	89.4

The percentage of success continued to be highest in the case of calf-to-arm vaccination, while the percentage obtained with lymph preserved with glycerine,

which was used in more than half the number of cases, continued to be lowest, being 86.2 against 90.5 per cent. with lanoline paste. Human lymph was used in only 226 cases by the Government vaccinators in the Ganjam hill tracts.

9. *Mortality from small-pox.*—The number of deaths from small-pox was 12,218 or 5,778 more than in 1895-96, the majority of the cases having occurred in the district of Ganjam. From the diagrams referred to in paragraph 25 of the report, it appears that a steady and real advance has been made in the proportion of the total population protected. Of every 10,000 persons, approximately 4,000 may be regarded as protected in the district of Tinnevely, and more than 3,000 in the Nilgiri, Chingleput, Salem and South Canara districts, while in Ganjam and Malabar the number continued to be very low, being under 1,900. As regards municipalities, omitting the three recently constituted municipalities of Chingleput, Srivilliputtur and Tiruvannamalai, the number of protected persons per 10,000 of the population varied from 8,400 in Coonoor to 2,700 in Kumbakonam. The rates of mortality shown in the diagrams do not, in all cases, vary inversely with the proportion which the number of persons vaccinated bears to the total population, but this is attributable, among other causes, to the defective registration of vital statistics. The suggestion made by the Inspector of Vaccination in paragraph 24 of the report will be considered in the Revenue Department.

10. *General Remarks.*—The reports received from the Sanitary Commissioner on the subject of the reorganization of the Vaccination Department, and referred to in paragraph 10 of G.O., No. 1346 L., dated 27th July 1896, are under the consideration of Government. Dr. King's testimony to the good work done by Surgeon-Major Bannerman is noted with satisfaction.

(True Extract.)

[Signature]
Secretary to Government.

To the Sanitary Commissioner, with copy of G.O., Mis. No. 3899,
Revenue, dated 30th September 1896.

- „ the Surgeon-General.
- „ the Sanitary Board.
- „ the Sanitary Engineer.
- „ the Public Department.
- „ the Judicial Department.
- „ the Revenue Department.
- „ the Deputy Adjutant-General, Madras Command.
- „ all Collectors.
- „ all Presidents of district Boards.
- „ all Chairmen of Municipal Councils.
- „ the President, Municipal Commission, Madras.
- „ the Director of Public Instruction.
- „ the Accountant-General.

Editors' Table.

ENDORSEMENT—No. 1657-A L., dated 30th August 1897.

Copy to the Government of India, Home Department.

G. S. FORBES,
Secretary to Government.

Ed. C. M. Thambuswamy.

REPORT ON VACCINATION

IN

THE MADRAS PRESIDENCY

FOR THE YEAR

1896-97.

MADRAS:
PRINTED BY THE SUPERINTENDENT, GOVERNMENT PRESS.

1897.

OFFICE OF SANITARY COMMISSIONER,
FORT ST. GEORGE, 29th June 1897.

No. 934-V.

From

Surgn.-Lieut.-Col. W. G. KING, M.B., O.M., D.P.H.,
Sanitary Commissioner for Madras,

To

The Secretary to Government
Local and Municipal Department.

SIR,

In forwarding the Annual Report on Vaccination for the official year 1896-97 by Surgeon-Major Bannerman, the Deputy Sanitary Commissioner and Inspector of Vaccination, I have the honour to state that I trust Government will regard the results obtained as bearing evidence of continued improvement in outturn of work effected under admittedly disadvantageous circumstances.

2. I would respectfully invite the attention of Government to my letter No. 855-V, dated 7th June 1897, in which I proposed, having regard to the fact that Government, as stated in G.O., No. 485, dated 17th April 1897, Public, is financially not in a position to undergo the cost of complete re-organization, that at least efforts should be made to so change the regulations under which the department at present works as to render it better fitted for the employment of animal vaccine lymph.

3. As already reported in my Annual Report on Sanitation for 1896, I have reason to regard the fulfilment of duty by Surgeon-Major Bannerman as characterized by zeal and energy.

I have the honour to be,

Sir,

Your most obedient servant,

W. G. KING, Surgn.-Lieut.-Col.,
Sanitary Commissioner for Madras.

REPORT ON VACCINATION IN THE MADRAS PRESIDENCY FOR THE YEAR 1896-97.

From Surgeon-Major W. B. BANNERMAN, M.D., B.Sc., Inspector of Vaccination and Deputy Sanitary Commissioner for Madras, to the Sanitary Commissioner for Madras, dated 23rd June 1897, No. 907-V.

I have the honour to submit the Annual Report on Vaccination in the Madras Presidency for 1896-97. As the report for 1895-96 was the triennial full one, this, in accordance with G.O., No. 1455, Public Department, dated 12th July 1886, has been made as short as possible.

2. The post of Inspector of Vaccination was, for the first 14 days of the official year, held by Surgeon-Major C. Mallins, but for the rest of the year by myself, on return from furlough.

3. During the year the following municipalities have been inspected in accordance with orders of the Sanitary Commissioner, and written reports submitted to Government, viz.:—Coonoor, Conjeeveram, Mayavaram, Mannargudi, Palghat, Calicut, Cochin, Chicacole, Parakkimedi, Berhampur, Ongole, Masulipatam and Erode, and also in addition 24 villages and unions. The circles of the following deputy inspectors have been thoroughly inspected, viz.:—Tanjore, Negapatam, Chicacole, Chatrapur, Ongole and Guntur. More would have been done in this direction but for the fact that three of the best working months of the year, viz., January, February and March, were otherwise unavoidably occupied, by illness, superintendence of the Mahamakham festival at Kumbakonam and deputation to Bombay on special plague duty. In paragraph 3 of the Government Order reviewing the last annual report on vaccination, it is noted that "Government regards these special tours as essential for the improvement of vaccination," so I would again point out that, with the present amount of sanitary inspection work devolving on me, it is impossible to visit more than 6 or 7 circles in the year. As there are now 53 deputy inspectors, exclusive of those employed in the town of Madras, it will be apparent that a dishonest deputy inspector might flourish unchecked for eight years or so before being detected. With the permission of Government then I would beg leave to submit a separate scheme for the employment of two Assistant Inspectors of the Assistant Surgeon class, whose duty it would be to inspect the verification work of the deputies and so impose a wholesome restraint on the dishonest practices which at present prevail to too large an extent in the department. This small addition to the strength of the department would not cost much and yet would result in an immediate improvement in its working as regards the accuracy of the returns submitted, so that one could, in future, get an idea of the actual extent to which the population is really protected, which is impossible at present.

4. Another defect under which the department labours is the lack of power to move deputy inspectors from one district to another without first obtaining the sanction of the president of the district board concerned. Several times this year, arrangements carefully thought out and believed to be for the best interests, not only for the department, but of the local boards, have been upset owing to the refusal of the president, district board, to allow the necessary moves. It is only natural, of course, that presidents of district boards should object to have a good man moved, but at the same time they can only take a local view of the matter, and have no knowledge of the wider interests of the department which necessitate such moves, nor of the difficulties imposed by their action on those responsible for its management. I would, therefore, respectfully submit for the consideration of Government the desirability of granting to the head of the Vaccination Department the power to move deputy inspectors from one district to another as the necessities of the case demand, and relying on his judgment to do the best possible, not only for the department, but for the local boards concerned.

5. The following table shows the strength of the establishment employed during the last two years, with the pay of each post:—

Years.	First-class Deputy Inspectors.	Second-class Deputy Inspectors.	First-class Vaccinators.	Second-class Vaccinators.	Probationers.
	Rs. 60—70.	Rs. 40.	Rs. 15—20.	Rs. 10—12.	Rs. 5—7.
1895-96	34	* 24	257	424	149
1896-97	34	* 25	272	407	151

* Four assistant deputy inspectors employed by the Madras Municipality.

From this it will be seen that, while the staff of vaccinators remains the same in numbers, there has been an increase of one deputy inspector of the second class. This is due to the action of the District Board of South Arcot in creating a new range. This example might well be followed by other large boards in whose districts vaccination is backward, e.g., Malabar.

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

	1895-96.	1896-97.
Primary vaccinations	1,120,625	1,173,131
Re-vaccinations	77,546	74,589
Total	1,198,171	1,247,720

From this it will be seen that there has been an increase of 49,549 cases as compared with last year. Under the head of primary vaccination the increase is 52,506, while the re-vaccination cases have fallen off by 2,957. The explanations received from the various districts do not throw much light on the cause of this decrease under the latter head; the favourite explanation put forward being 'unwillingness of the people,' nothing being said about the inefficiency and want of influence of the vaccine-staff, which, no doubt, is the real reason. The district of Ganjam shows an increase of 1,580 under this head, but no explanation of this has been afforded though called for. The other districts showing an increase are Salem (528), Tanjore (330), Gódvári (189), Madura (177), Nellore (36), and Kistna (8). The largest defaulters are Tinnevely (1,682), Trichinopoly (938) and Vizagapatam (899), the explanations offered being as noted above.

7. The districts showing the largest increase in the number of operations are the following:—Vizagapatam (22,844), Ganjam (11,382), Kistna (11,041), Gódvári (8,827), and Nellore (8,767). All these, except Ganjam, showed a decrease last year, so that it is noteworthy that they stand first in the list this year.

In eight districts a decrease is shown, as against ten in the previous year, viz., Coimbatore (6,790), Trichinopoly (6,014), South Arcot (4,004), Anantapur (3,304), Tinnevely (2,081), Madura (1,013), Malabar (139), and Chingleput (38). South Arcot showed a decrease last year also, while Tinnevely and Malabar have shown a decrease for the past three years.

The explanations offered by the various deputies concerned are as follows:—

Coimbatore.—Prevalence of cholera during the latter part of the year, and heavy rain during the north-east monsoon.

Trichinopoly.—This district has always been noted for the very large outturn of its vaccinators, and grave suspicion was aroused as to the accuracy of the returns, in consequence of which Surgeon-Major Mallins made a thorough investigation last year, which fully confirmed the above, and the Deputy Inspector in charge was suspended for six months and removed to another district. This probably fully accounts for the decrease, though the prevalence of cholera and absence of some vaccinators without substitutes may have contributed to the result.

South Arcot.—Several extra men were employed in this district; yet on account of the prevalence of cholera, absence of small-pox, failure in the supply of calves, want of help from village officers, and transfer of vaccinators, the above decrease took place.

Anantapur.—Owing to the prevalence of famine in this district, the Collector allowed the revenue officials to relax their efforts to help the vaccinators, in spite of the remonstrances of the District Medical and Sanitary officer; and it was only when the Sanitary Commissioner addressed him pointing out the great mortality that took place during the last famine from small-pox, that he again sent out circulars on the subject. The staff of vaccinators was incomplete for a time, and there was also failure of paste.

Tinnevely.—Prevalence of cholera, absence of some vaccinators and the bad working of the batch system. The District Medical and Sanitary officer has now however taken steps to abolish this pernicious system, so better results may be looked for in the future.

Madura.—Prevalence of cholera from November to March, heavy rains, and the fact that several posts were vacant for some time.

Malabar.—Constant transfer of vaccinators, and according to one deputy inspector, non-employment of caste vaccinators. As the decrease is very insignificant however, I fancy the true outturn of the district is now got at, the inflated figures of former returns being no longer furnished.

Chingleput.—The Deputy Inspector of Saidapet died during the year and the post was vacant for two months, during which time the returns fell off.

8. Last year Government were pleased to approve of the suggestion that heads of villages should be made to maintain separate lists of children under ten who were not yet vaccinated, but up to date no orders have apparently been issued on the subject. Another means that would largely contribute to the more thorough protection of the people would be the granting of power to district boards to declare vaccination compulsory in unions, where local conditions were favourable. In most districts there would appear to be no opposition to this step being now taken.

9. The following table shows the number of successful operations performed by all agencies with the ratio of success attained. The continued slight fall in the percentage of success is not, I think, to be deplored, as it probably points to greater accuracy in the returns. The remarkable similarity in the success rates in the work of medical subordinates and in cantonments and dispensaries—where no pressure is brought to bear on the operators to produce high rates—points to 88 per cent. being probably as high a rate of success as we can expect under the climatic and other unfavourable conditions experienced in this country:—

Establishment.		Number of successful vaccinations.				Ratio per cent. of successful cases.				Ratio per cent. of total successful cases.	
		1895-96.		1896-97.		1895-96.		1896-97.			
		Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.		
Local Fund vaccinators	...	870,660	35,959	927,372	32,216	92.9	83.3	92.4	81.3	92.5	92.0
Government do.	...	17,694	181	17,311	249	80.6	85.8	86.4	71.3	80.6	86.1
Zamindary do.	...	6,065	2	6,405	21	82.8	100.0	87.1	100.0	82.8	87.2
Municipal do.	...	98,716	12,949	96,389	13,535	96.2	85.5	96.1	84.7	91.8	94.0
Cantonment do.	...	3,827	775	3,628	782	96.5	61.5	98.9	53.8	88.0	79.8
Dispensaries	...	15,101	1,085	10,267	909	89.0	71.0	88.0	74.8	87.5	86.7
Medical subordinates	...	2,214	7,395	1,088	8,051	86.4	65.4	87.8	73.1	69.3	74.8
Total	...	1,022,267	58,346	1,062,460	55,743	93.0	80.3	92.5	80.1	92.2	91.8

10. The table below shows the number of cases vaccinated at the different age periods. It is satisfactory to note a slow but steady increase in the number of infants vaccinated:—

VACCINATION REPORT.

Establishment.	Ages successfully vaccinated in 1895-96.			Total number of persons vaccinated in 1895-96.	Ages successfully vaccinated in 1896-97.			Total number of persons vaccinated in 1896-97.
	Under one year.	Over one and under six years.	Above six years.		Under one year.	Over one and under six years.	Above six years.	
Local Funds ...	248,688	486,630	143,333	1,011,802	264,464	511,464	151,444	1,068,430
Government ...	1,837	9,744	6,083	20,537	1,681	8,932	6,698	21,350
Zamindaries ...	259	3,337	1,459	6,343	241	4,359	1,805	7,516
Municipalities ...	58,167	33,005	7,544	120,190	60,131	28,651	7,607	118,655
Cantonments ...	2,205	1,141	481	5,366	2,436	1,035	157	5,651
Civil dispensaries ...	2,887	9,229	2,955	19,201	1,804	5,189	3,214	13,370
Medical subordinates ...	44	226	1,044	14,732	2	27	1,059	12,748
Total ...	314,117	543,321	164,829	1,198,171	330,819	559,657	171,984	1,247,720

11. In accordance with G.O., No. 1585-L., dated 19th July 1893, the following statement has been prepared to show the progress of infantile vaccination in the various districts and municipalities. The names are arranged in order of merit :—

Districts (exclusive of municipalities).	Number of births.	Number successfully vaccinated under one year.	Proportion per cent. protected.	Municipalities.	Number of births.	Number successfully vaccinated under one year.	Proportion per cent. protected.
Madura ...	43,628	32,341	74.1	Madura ...	2,725	3,858	141.6
Coimbatore ...	54,498	33,074	60.7	Ootacamund ...	507	575	113.4
Chingleput ...	45,608	22,760	49.8	Salem ...	2,737	2,714	99.2
Bellary ...	28,080	13,345	47.5	Tirupati ...	1,874	1,845	98.5
Vizagapatam ...	47,467	16,469	34.8	Calicut ...	438	413	94.3
Salem ...	68,474	20,307	34.7	Pahar ...	2,459	2,297	93.4
South Arcot ...	69,409	21,077	31.7	Negapatam ...	440	417	92.9
Uddapah ...	37,644	11,173	29.7	Dindigul ...	1,891	1,752	92.6
Tinnevely ...	53,770	15,585	29.0	Vizianagram ...	810	749	92.5
North Arcot ...	56,812	15,488	27.3	Adoni ...	949	866	91.3
Kistna ...	59,264	15,934	26.9	Trichinopoly ...	1,132	1,028	90.8
Nilgiris ...	1,806	507	28.1	Nellore ...	2,733	2,481	90.8
Kurnool ...	25,150	6,406	25.5	Tallicherry ...	947	843	89.0
Anantapur ...	21,329	5,025	23.6	Bimlipatam ...	952	846	88.9
Trichinopoly ...	35,174	7,198	20.5	Bazwada ...	377	334	88.6
Nellore ...	36,927	6,187	16.8	Anakapalle ...	635	548	86.3
Tanjore ...	60,080	8,516	14.2	Ellore ...	550	470	85.5
Godavari ...	50,200	6,778	13.5	Kurnool ...	627	535	85.3
Ganjum ...	30,395	3,365	11.1	Masulipatam ...	792	675	85.2
South Canara ...	32,437	3,212	9.9	Periyakulam ...	1,182	1,002	84.8
Malabar ...	52,272	739	1.4	Chidambaram ...	732	621	84.8
Total ...	900,634	266,386	29.6	Tirappattur ...	524	441	84.2
				Vaniyambadi ...	736	618	84.0
				Erode ...	889	739	83.1
				Karur ...	475	391	82.3
				Tinnevely ...	416	342	82.2
				Coimbatore ...	823	674	81.9
				Vellore ...	1,861	1,505	80.9
				Channarayana ...	1,522	1,167	76.6
				Ongole ...	1,117	834	74.7
				Mangalore ...	385	287	74.5
				Guntur ...	1,264	908	71.9
				Conjeevaram ...	943	678	71.9
				Anantapur ...	1,678	1,207	71.9
				Tuticorin ...	288	204	70.8
				Palghat ...	818	576	70.4
				Madras ...	1,621	1,119	69.0
				Walajapet ...	18,620	12,929	69.0
				Cochin ...	372	256	68.8
				Vizagapatam ...	671	459	68.4
				Rajahmundry ...	1,262	849	67.3
				Chicacole ...	989	646	65.3
				Cocanada ...	397	258	65.0
				Parlakimedi ...	1,098	708	64.4
				Cuddalore ...	591	380	64.3
				Mannargudi ...	2,108	1,346	63.9
				Palamottah ...	781	495	63.4
				Mayavaram ...	637	403	63.2
				Gudiyattam ...	894	564	63.0
				Berhampur ...	841	515	61.2
				Srivilliputtur ...	512	309	60.4
				Tanjore ...	940	568	60.4
				Srirangam ...	1,711	962	56.2
				Cuddapah ...	737	407	55.2
				Kumbakonam ...	417	226	54.1
				Tiruvannamalai ...	1,926	882	45.8
				Chingleput ...	...	62	...
					...	65	...
Total ...	70,620	60,131	78.3				

VACCINATION REPORT.

The greatest percentage increase in the number protected as compared with births is shown by the districts of Nilgiris (19.1 per cent.), Vizagapatam (11.5 per cent.) and Madura (8.5 per cent.). In the case of the Nilgiris no reason has been assigned, though asked for, but it is to be noted that this increase just slightly exceeds the decrease noticed in this district last year. In Vizagapatam the increase is said to be due to the exertions of the vaccinators, and in Madura to the maintenance of unprotected lists by the village heads. The districts showing the greatest decrease are Salem (5.3 per cent.), Coimbatore (2.8 per cent.) and Chingleput (2.0 per cent.). The explanations offered by the deputy inspectors concerned are: objection of the people and carelessness of the vaccinators (Salem), prevalence of cholera, chicken-pox and fever, with long continued rain (Coimbatore), and opposition by parents (Chingleput).

As regards municipalities, the largest increase in the proportion of infants protected is shown by the following: Srivilliputtur (42 per cent.), Madura (21 per cent.), Ellore (19.6 per cent.), and Adoni (16.2 per cent.). The figures given for Srivilliputtur last year refer to a few months only, and cannot therefore be compared with this full twelve-months' return. In the case of Madura no explanation has been offered though called for, but it is evident that a large number of infants belonging to strangers are operated on. In Ellore and Adoni the reason given is the better working of the vaccinators.

The following towns show a considerable decrease when compared with the number of births registered. Parlakimedi (21.2 per cent.), Chicacole (18.7 per cent.), Ootacamund (18.3 per cent.), Mayavaram (17.6 per cent.), Cocanada (16.4 per cent.) and Walajapet (15.5 per cent.). In the case of Parlakimedi and Chicacole the explanation given is insufficient quantity and bad quality of the vaccine supplied from the Chicacole depôt; this is probably a correct explanation, as this depôt has at times supplied a very inferior glycerine paste. As regards Ootacamund, the floating character of its population must be reckoned with, and, as a matter of fact, vaccination has been well carried on here during the year. The explanations offered by the last three are: large number having left the town, large number having been vaccinated last year, and bad quality of vaccine supplied from Madras respectively. The small amount of work credited to Tiruvannamalai and Chingleput is due to the fact that these towns have only lately been made municipalities, and that vaccination has not yet been made compulsory in them.

I would here call attention to the very small proportion of infants protected in the six last districts in the list, the case of Malabar being specially bad, showing, as it does, a decline as compared with even the small outturn of last year. Towns also which show less than 60 per cent. of births operated on, cannot be regarded as having worked the compulsory clauses in a proper way.

12. The following table shows the cost of the various establishments and of each successful case. The average cost has decreased except in the case of municipalities and cantonments. In Local Fund circles the cost of each case has varied from 6 annas in the Nilgiris to 2 annas 1 pie in Salem; while among municipalities Tirupati is highest with 11 annas 9 pies per case, and Anantapur is lowest with 1 anna 4 pies :—

Establishment.	Total expenditure.		Average cost of each successful case.	
	1895-96.	1896-97.	1895-96.	1896-97.
Government establishment ...	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Local Fund do. ...	8,894 6 6	7,288 7 5	0 7 11	0 6 8
Municipal do. ...	1,86,899 4 6	1,92,065 14 9	0 3 3	0 3 2
Zamindari do. ...	33,550 15 3	31,616 7 1	0 4 10	0 5 0
Cantonment do. ...	1,238 10 8	972 14 4	0 3 11	0 3 2
	2,314 6 2	2,296 11 0	0 8 1	0 8 4
Total ...	2,32,297 11 0	2,37,240 6 7	0 3 6	0 3 6

* Information as to cost from the Deputy, Guntur, has not been received.

13. The work in municipalities shows a decrease of 1,535 cases when compared with last year. This was perhaps to be expected, as the arrears of cases were gradually overtaken through the operation of G.O., No. 1502-M., dated 19th October 1894. In 32 towns a decrease is shown as noted below; names marked with an asterisk showed decrease last year also, those with two for three, and those with three for four years in succession:—

** Palghat, (1,224), Masulipatam (921), * Negapatam (564), * Vellore (373), Palamcottah (270), *** Elore (201), ** Vizagapatam (183), Anakapalle (173), * Bezvada (145), * Calicut (140), Parlakimedi (116), *** Cocanada (113), *** Tinnevely (104), * Mayavaram (95), Tanjore (87), Ootacamund (78), Nellore (68), Srirangam (65), *** Mangalore (61), * Chidambaram (61), Coonoor (57), Tuticorin (51), Erode (48), Berhampur (38), Cochin (32), * Bimlipatam (28), Coimbatore (19), Vizianagram (13), Walajapet (6), ** Tellicherry (4), Madras (3), * Periyakulam (3).

Vaccination is compulsory in all municipalities with the exception of Tiruvannamalai and Chingleput.

The table below shows the working of the Government Order referred to above, and it is curious to notice the discrepancies existing in the figures of this return when compared with the infantile vaccination as shown in the ordinary monthly returns. These two columns ought to show a close agreement if registration was carried on properly, though, of course, some allowance must be made for the case of infants born elsewhere and brought into the town in the first year of life. But in the cases of Madura (2,281), Calicut (1,737), Trichinopoly (1,042), Coimbatore (981), Negapatam and Salem (961), these differences are so great as to suggest that some other explanation must be sought:—

Municipalities.	Total births available for vaccination.	Number died.	Number left the town.	Number vaccinated successfully out of births registered.	Number vaccinated successfully under one year of age according to monthly return.	Number remaining to be disposed of at the end of March 1897.	Number of cases pending before the Magistrate at the end of March 1897.
Adoni ...	1,328	198	120	897	1,028	58	13
Anantapur ...	290	38	90	157	204	5	...
Anakapalle ...	575	78	104	372	470	7	4
Bellary ...	1,874	352	380	1,017	1,845	31	94
Berhampur ...	599	94	75	280	309	25	54
Bezvada ...	635	117	114	404	518	...	...
Bimlipatam ...	397	53	78	264	334	2	...
Calicut ...	2,419	247	720	560	2,297	175	95
Cannanore ...	1,107	178	207	674	834	48	...
Chicacole ...	399	90	43	200	258	66	26
Chidambaram ...	534	140	94	264	441	20	16
Chingleput ...	...	...	...	...	...	...	...
Cochin ...	743	169	133	338	459	44	19
Cocanada ...	1,178	252	167	517	708	39	144
Coimbatore ...	1,800	293	83	524	1,505	730	107
Conjeveram ...	1,841	425	156	1,110	1,207	60	52
Coonoor ...	255	40	21	193	292	...	...
Cuddalore ...	...	...	...	...	...	...	...
Cuddapah ...	434	68	70	197	226	54	24
Dindigul ...	848	155	176	450	749	67	90
Elore ...	634	117	180	269	535	39	7
Erode ...	489	81	68	295	391	15	24
Gudiyattam ...	839	141	174	284	515	132	48
Guntur ...	941	247	137	486	678	71	36
Kadur ...	429	88	59	264	342	18	...
Kumbakonam ...	1,907	353	609	726	882	219	210
Kurnool ...	822	170	177	439	675	21	15
Madura ...	2,787	592	463	1,573	3,858	82	65

Compulsory vaccination not in force.

Information not received.

Municipalities.	Total births available for vaccination.	Number died.	Number left the town.	Number vaccinated successfully out of births registered.	Number vaccinated successfully under one year of age according to monthly return.	Number remaining to be disposed of at the end of March 1897.	Number of cases pending before the Magistrate at the end of March 1897.
Mannargudi ...	781	139	216	346	495	52	6
Mangalore ...	1,322	193	269	580	909	180	100
Masulipatam ...	1,440	219	173	781	1,002	244	23
Mayavaram ...	937	202	214	427	564	41	...
Negapatam ...	1,911	438	577	701	1,752	105	...
Nellore ...	947	157	423	286	843	81	2
Ongole ...	385	80	44	222	287	25	1
Ootacamund ...	519	93	89	310	575	10	2
Palamcottah ...	636	162	119	324	403	8	23
Palghat ...	1,618	343	306	906	1,119	12	46
Parlakimedi ...	559	105	80	341	380	32	1
Periyakulam ...	807	147	102	523	621	35	15
Palni ...	445	119	82	198	417	42	4
Rajahmundry ...	1,014	228	229	496	646	53	8
Salem ...	2,766	580	259	1,753	2,714	69	86
Srirangam ...	740	136	235	301	407	30	38
Srivilliputtur ...	999	169	91	424	568	84	23
Tanjore ...	1,879	502	451	771	962	14	101
Tellicherry ...	4,104	172	100	756	846	66	15
Tinnevely ...	853	202	80	468	674	105	81
Trichinopoly ...	2,644	417	548	1,439	2,481	78	140
Tirupattur ...	740	136	152	880	618	20	2
Tirupati ...	483	74	59	334	413	21	...
Tiruvannamalai ...	...	...	...	...	...	...	...
Tuticorin ...	832	198	127	381	576	122	107
Vaniyambadi ...	889	160	130	585	739	12	...
Vellore ...	1,590	275	401	730	1,167	157	...
Vizagapatam ...	1,258	195	388	627	849	64	11
Vizianagram ...	936	174	212	434	866	20	8
Wallajahpet ...	372	64	75	219	256	9	5
Total ...	60,447	10,850	10,929	29,360	45,739	3,819	1,941

Compulsory vaccination not in force.

14. The work turned out by Government vaccinators shows an increase of 813, which might have been more but for the fact that returns for nine months only are available in the case of Ganapur, the deputy inspector of this range having died and difficulty being experienced in getting a suitable man to succeed him.

15. In zamindaries the work has increased by 1,173, while the cost of each successful case has decreased by 9 pies. Almost no re-vaccination work is done by these vaccinators.

16. The work in dispensaries again shows decline (5,831) and that by medical subordinates a similar fall of 1,984. This has been the case ever since it was rendered optional on the part of medical officers to perform vaccination, but probably the normal limit has now been reached, and in future years the figures will show only slight variations.

17. In cantonments 285 more cases have been operated on than was the case last year, and the cost of each case has increased by 3 pies.

18. The following table shows the inspection work done by deputy inspectors during the year:—

VACCINATION REPORT.

Circles.	Number of In- specting officers.		Number of villages visited.		Total number of persons vaccinated.	Number of days spent on inspection duty.	Number of cases verified.		Total number of cases inspected by deputy inspectors of all sorts.	Total number of successful cases inspected by deputy inspectors.	Percentage of successful cases to total number inspected as reported by deputy inspectors.	Proportion per cent. of inspection to total number vaccinated.	
	First-class inspectors.	Second-class deputy inspectors.	First-class deputy inspectors.	Second-class deputy inspectors.			First-class inspectors.	Second-class deputy inspectors.				First-class deputy inspectors.	Second-class deputy inspectors.
Anantapur ...	1	...	432	...	10,008	252	7,357	...	7,357	5,632	76.6	73.5	...
Ponnakonda ...	1	...	507	...	7,830	315	...	6,057	6,057	4,903	81.0	...	77.4
Bellary ...	1	...	449	...	19,382	245	9,189	...	9,189	7,583	82.5	47.8	...
Harpanahalli ...	1	...	400	...	10,816	251	...	7,072	7,072	5,923	83.8	...	65.4
Chingleput ...	1	...	899	...	29,067	298	15,378	...	15,378	13,921	90.5	62.9	...
Saidapet ...	1	...	612	...	20,704	248	10,728	...	10,728	9,954	92.8	51.8	...
North Coimbatore ...	1	...	563	...	19,016	195	10,427	...	10,427	10,082	96.7	54.8	...
South Coimbatore ...	1	...	618	...	22,258	287	...	11,676	11,676	10,945	93.7	...	52.5
East Coimbatore ...	1	...	279	...	30,177	224	13,134	...	13,134	12,465	94.9	43.5	...
Ouddepah ...	1	...	597	...	11,832	280	7,751	...	7,751	7,384	95.3	65.5	...
Madanapalle ...	1	...	938	...	17,840	259	10,141	...	10,141	9,761	96.3	56.8	...
Siddhavaram ...	1	...	876	...	10,038	257	6,638	...	6,638	6,502	97.9	66.1	...
Chatrapur ...	1	...	231	...	21,729	179	7,677	...	7,677	6,872	89.5	35.3	...
Chicacole ...	1	...	456	...	19,692	249	13,921	...	13,921	9,629	69.2	70.7	...
Ganjam Hill tracts ...	1	...	442	...	9,151	149	8,151	...	8,151	7,727	94.8	89.1	...
Ellore ...	1	...	500	...	32,544	272	22,218	...	22,218	18,835	84.8	68.2	...
Pithapuram ...	1	...	279	...	19,216	269	...	12,486	12,486	9,982	79.9	...	65.0
Rajahmundry ...	1	...	477	...	11,032	246	8,227	...	8,227	6,232	75.7	70.7	...
Guntur ...	1	...	404	...	25,164	243	13,976	...	13,976	11,492	82.2	55.5	...
Masulipatam ...	1	...	259	...	20,730	212	11,903	...	11,903	10,593	89.0	40.0	...
Vinukonda ...	1	...	362	...	13,783	280	...	9,221	9,221	7,955	86.3	...	60.9
Kurnool ...	1	...	488	...	15,666	246	11,570	...	11,570	9,504	82.1	78.8	...
Cumbum ...	1	...	279	...	14,235	215	8,162	...	8,162	7,032	86.2	57.3	...
Madras ...	1	4	...	...	27,021	1,513	3,877	11,787	15,064	15,128	99.6	58.0	...
Dindigul ...	1	...	749	...	30,758	287	18,025	...	18,025	17,166	95.2	58.6	...
Madura ...	1	...	806	...	20,366	261	...	11,173	11,173	10,759	96.3	...	54.8
Paramagudi ...	1	...	868	...	34,672	253	18,552	...	18,552	18,068	95.8	54.4	...
Tellicherry ...	1	...	174	...	14,565	225	...	7,611	7,611	6,228	81.8	...	52.3
Calicut ...	1	...	124	...	19,117	169	4,954	...	4,954	3,812	76.9	25.9	...
Palghat ...	1	...	184	...	17,124	219	...	9,454	9,454	7,483	79.2	...	55.2
Nellore ...	1	...	642	...	15,106	268	7,675	...	7,675	6,767	88.2	50.8	...
Ongole ...	1	...	359	...	13,151	240	...	8,547	8,547	8,318	73.9	...	65.0
Kavali ...	1	...	392	...	10,877	243	...	7,191	7,191	5,539	77.0	...	66.1

* Assistant deputy inspectors.

VACCINATION REPORT.

Circles.	Number of In- specting officers.		Number of villages visited.		Total number of persons vaccinated.	Number of days spent on inspection duty.	Number of cases verified.		Total number of cases inspected by deputy inspectors of all sorts.	Total number of successful cases inspected by deputy inspectors.	Percentage of successful cases to total number inspected as reported by deputy inspectors.	Proportion per cent. of inspection to total number vaccinated.	
	First-class inspectors.	Second-class deputy inspectors.	First-class deputy inspectors.	Second-class deputy inspectors.			First-class inspectors.	Second-class deputy inspectors.				First-class deputy inspectors.	Second-class deputy inspectors.
Chittoor ...	1	...	765	...	18,868	238	11,201	...	11,201	10,792	96.3	59.4	...
Vellore ...	1	...	347	...	15,585	196	8,184	...	8,184	7,764	94.9	52.5	...
Karvetnagar ...	1	...	625	...	20,931	267	...	15,142	15,142	14,373	94.9	...	72.3
Salem ...	1	...	310	...	30,181	284	17,545	...	17,545	13,098	78.1	59.1	...
Krishnagiri ...	1	...	938	...	18,702	299	...	11,919	11,919	10,965	91.2	...	63.7
Namakkal ...	1	...	410	...	30,934	301	...	16,574	16,574	13,066	78.8	...	53.6
Cuddalore ...	1	...	656	...	32,852	274	15,628	...	13,628	13,311	97.7	41.5	...
Vridhachalam ...	1	...	557	...	18,013	245	...	12,294	12,294	11,696	95.1	...	68.2
Tiruvannamalai ...	1	...	431	...	10,324	159	...	6,935	6,935	6,514	93.9	...	67.2
No. I, South Canara ...	1	...	267	...	22,230	106	8,499	...	8,499	8,099	95.2	38.1	...
No. II, South Canara ...	1	...	285	...	15,963	239	...	9,407	9,407	8,712	92.5	...	59.9
Tanjore ...	1	...	719	...	30,272	281	15,506	...	15,506	13,854	89.3	51.2	...
Negapatam ...	1	...	672	...	25,606	291	14,097	...	14,097	13,153	93.3	56.1	...
Tinnevely ...	1	...	433	...	27,824	210	12,592	...	12,592	11,764	93.4	45.3	...
Sattar ...	1	...	382	...	21,104	208	...	11,615	11,615	11,002	94.7	...	54.8
Sermadévi ...	1	...	483	...	22,069	236	...	12,697	12,697	12,019	94.7	...	57.6
Trichinopoly ...	1	...	407	...	36,235	193	11,454	...	11,454	11,274	98.4	31.6	...
Vizagapatam ...	1	...	334	...	26,643	215	...	15,652	15,652	15,059	96.2	...	58.7
Vizianagram ...	1	...	526	...	55,666	119	35,424	...	35,424	33,995	95.8	62.5	...
Gunapur ...	1	...	...	...	Information not received.								
Jeypore ...	1	...	320	...	10,385	138	5,901	...	5,361	4,593	85.7	51.6	...
Total ...	34	24	16,966	8,586	1,115,824	13,341	403,122	214,510	617,632	554,278	89.7	53.5	59.3

From the above it will be seen that 9 deputy inspectors have failed to verify 50 per cent. of the cases operated on in their circles. Their explanations have been called for and their cases will be dealt with in accordance therewith. The following are the circles in which the failures occurred: Calicut (25.9 per cent.), Trichinopoly (31.6 per cent.), Chatrapur (35.3 per cent.), No. 1 South Canara (38.1 per cent.), Masulipatam (40 per cent.), Cuddalore (41.5 per cent.), East Coimbatore (43.5 per cent.), Tinnevely (45.3 per cent.), and Bellary (47.8 per cent.).

19. The following tables show the results of 'calf-to-arm' vaccination; operations performed with animal lymph sent out in tubes; glycerine paste and lanoline paste. Fresh calf vaccine shows as usual the greatest percentage of success, viz., 97.2; then comes vaccine sent out in glass without any preservative, then lanoline paste, and lastly glycerine, with 94.6, 94, and 88.9 respectively. The reason why such a high percentage of success is shown in the case of pure vaccine issued in glass is that it is invariably used at once; not, as might be

imagined, that it keeps its activity longer in this state than when mixed with a preservative, such as lanoline, vaseline or glycerine. Two districts used lanoline, viz., Bellary supplied from the Mysore Government Vaccine Institute, with a success of 92.3 per cent.; and South Canara, which manufactured its own paste, with a percentage success of 95.3:—

Districts.	Length of time animal vaccination was carried on.		Number of calves inoculated.	Primary vaccination.				Re-vaccination.				Total.			
				Successful.		Percentage of success.		Successful.		Percentage of success.		Successful.		Percentage of success.	
	Years.	Months.		Total.	Unknown.	Total.	Unknown.	Total.	Unknown.	Total.	Unknown.	Total.	Unknown.	Total.	Unknown.
Anantapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bellary	...	...	413	1,346	1,217	81	45	150	113	23	14	1,496	1,389	104	62
Chingleput	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Coimbatore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gudalaph	1	...	685	23,327	22,816	411	100	375	285	67	23	23,702	23,101	475	123
Ganjani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Golavari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kistna	1	...	103	38	38	...	...	...	...	...	...	...	...	...	...
Kurnool	1	...	605	18,625	18,230	1,699	696	966	662	178	120	19,591	19,892	1,877	822
Madras	1	...	638	18,860	18,456	153	251	7,828	6,924	891	913	20,688	20,450	1,944	1,164
Madura	1	...	842	47,143	46,105	576	462	1,648	1,436	150	62	48,731	47,541	726	524
Malabar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nellore	2	15	20	473	449	5	19	...	...	...	2	477	449	7	21
Nilgris	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot	1	...	606	18,104	17,764	297	43	1,551	1,401	142	8	19,655	19,165	439	51
Salem	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot	1	...	1,123	60,712	58,922	954	986	433	363	38	32	61,146	59,185	992	968
South Canara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tanjore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevely	1	...	803	45,884	44,832	1,294	628	2,525	2,106	292	130	49,412	46,968	1,686	759
Tichinopoly	1	...	643	34,555	33,514	414	627	1,680	1,503	88	89	36,235	35,017	502	716
Vizagapatam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	6,577	270,662	260,268	5,984	3,510	17,163	13,893	1,871	1,399	257,225	244,161	7,855	6,209

Operations with lymph sent out in tubes or plates.

Districts.	Primary vaccination.				Re-vaccination.				Total.			
	Successful.		Percentage of success.		Successful.		Percentage of success.		Successful.		Percentage of success.	
	Total.	Unknown.	Total.	Unknown.	Total.	Unknown.	Total.	Unknown.	Total.	Unknown.	Total.	Unknown.
Anantapur	366	142	39.2	4	...	...	...	...	366	142	39.2	4
Bellary	18,988	17,016	96.4	679	357	132	63.3	20,074	17,683	1,550	91.8	811
Chingleput	...	...	...	...	...	...	...	...	...	...	...	...
Coimbatore	15,509	16,814	99.2	74	29	19	94.0	16,908	15,765	150	99.0	93
Gudalaph	...	...	...	...	...	...	...	...	...	...	...	...
Ganjani	...	...	...	...	...	...	...	...	...	...	...	...
Golavari	445	428	96.2	17	1	...	97.7	488	470	18	96.3	...
Kistna	9,922	8,127	85.9	398	56	47	88.6	10,810	8,412	1,453	85.3	445
Kurnool	333	833	100.0	...	...	...	...	333	333	...	100.0	...
Madras	56,204	85,403	98.6	292	125	35	83.7	37,005	36,044	634	95.3	327
Madura	...	...	...	...	...	...	...	...	...	...	...	...
Malabar	...	...	...	...	...	...	...	...	...	...	...	...
Nellore	846	570	99.9	29	2	...	...	848	570	29	99.6	...
Nilgris	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot	22,368	21,492	96.4	80	52	6	88.7	22,834	21,900	848	96.3	56
Salem	44	41	95.3	1	...	...	...	44	41	2	95.3	1
South Arcot	...	...	...	...	...	...	...	...	...	...	...	...
South Canara	...	...	...	...	...	...	...	...	...	...	...	...
Tanjore	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevely	...	...	...	...	...	...	...	...	...	...	...	...
Tichinopoly	10,304	8,577	88.6	288	27	20	55.7	10,365	8,911	1,166	86.4	303
Vizagapatam	...	...	...	...	...	...	...	...	...	...	...	...
Total	115,229	107,743	95.0	1,845	679	259	78.8	118,695	110,271	6,320	94.6	2,104

VACCINATION REPORT.

Districts.	Primary vaccination.					Re-vaccination.					Total.				
	Percentage of success.					Percentage of success.					Percentage of success.				
	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.
Anantapur ...	17,154	15,455	1,512	197	91.1	308	187	104	17	64.3	17,472	15,612	1,616	214	89.6
Bellary ...	26,644	23,638	1,924	782	92.6	1,557	1,199	226	132	84.1	28,201	25,157	2,750	891	92.1
Chingleput ...	70,205	62,485	6,070	1,650	91.1	1,246	856	245	145	77.7	71,451	63,341	6,315	1,795	90.9
Coimbatore ...	48,555	41,010	6,907	638	85.6	1,791	1,610	151	...	91.6	50,346	42,650	7,058	...	85.8
Cuddapah ...	61,826	49,381	10,138	1,717	83.2	1,536	672	770	124	46.6	63,362	50,653	10,898	1,841	82.3
Ganjam ...	66,562	61,331	4,266	995	93.6	1,594	1,456	105	83	93.2	68,156	62,817	4,311	1,028	93.6
Godavari ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kistna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madras ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malabar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nellore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nilgiris ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salem ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Canara ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tanjore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevely ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vizagapatam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	621,012	540,598	64,517	15,897	89.3	28,688	21,085	5,608	2,045	79.0	649,700	561,633	70,125	17,942	88.9

VACCINATION REPORT.

Operations with lanoline paste.

Districts.	Primary vaccination.					Re-vaccination.					Total.				
	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.
Bellary ...	29,836	20,347	2,176	1,313	92.4	362	280	43	30	87.0	30,198	20,626	2,219	1,343	92.3
South Canara ...	37,200	34,700	1,568	932	95.7	1,073	763	102	116	79.9	38,273	35,465	1,700	1,048	95.3
Total ...	67,036	61,047	3,744	2,245	94.2	1,435	1,054	235	146	81.8	68,471	62,101	3,979	2,391	94.0

20. The following table shows the results and cost of animal vaccination of all sorts in Local Fund districts, Hill Tracts, Zamindaries and City of Madras:—

Districts.	Number vaccinated, including both primary and re-vaccinations.					Total cost, including the pay of vaccinators, &c.	Average cost of each successful case, including the pay of vaccinators, &c.
	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.		
Anantapur ...	17,838	15,784	1,836	218	89.6	Rs. 5,609 11 0	P. 0 5 0
Bellary ...	30,198	26,636	2,219	1,343	92.3	Rs. 8,920 14 2	P. 0 5 4
Chingleput ...	49,771	44,170	3,834	1,707	92.0	Rs. 6,180 13 0	P. 0 2 3
Coimbatore ...	71,451	63,341	6,315	1,795	90.9	Rs. 5,905 10 9	P. 0 1 6
Cuddapah ...	39,710	38,866	628	216	98.4	Rs. 7,400 2 11	P. 0 3 1
Ganjam ...	50,346	42,650	7,058	638	85.8	Rs. 7,035 12 7	P. 0 3 3
Godavari ...	63,362	50,653	10,898	1,841	82.3	Rs. 12,048 3 10	P. 0 3 10
Kistna ...	68,677	63,320	4,329	1,028	93.6	Rs. 10,437 5 6	P. 0 8 0
Kurnool ...	29,901	25,304	3,330	1,267	88.4	Rs. 5,059 9 11	P. 0 3 2
Madras ...	27,021	24,813	1,044	1,164	96.0	Rs. 11,789 6 11	P. 0 6 0
Madura ...	85,796	83,585	1,360	851	98.4	Rs. 7,312 11 5	P. 0 1 5
Malabar ...	50,806	38,242	8,424	4,140	81.9	Rs. 7,268 2 5	P. 0 3 0
Nellore ...	39,134	30,963	6,448	1,723	82.8	Rs. 3,980 9 4	P. 0 3 6
Nilgiris ...	4,330	4,256	27	56	99.4	Rs. 1,593 10 10	P. 0 6 0
North Arcot ...	55,384	53,118	2,069	197	96.3	Rs. 6,379 5 2	P. 0 1 11
Salem ...	79,817	69,498	6,952	3,367	90.9	Rs. 7,482 12 3	P. 0 1 9
South Arcot ...	61,189	59,226	994	969	98.3	Rs. 9,627 13 1	P. 0 2 7
South Canara ...	38,273	35,465	1,760	1,048	95.3	Rs. 3,070 7 10	P. 0 1 5
Tanjore ...	55,878	45,726	8,976	1,176	83.6	Rs. 6,232 1 5	P. 0 2 2
Tinnevely ...	71,087	67,479	2,638	1,070	96.4	Rs. 7,035 4 1	P. 0 1 8
Trichinopoly ...	36,235	35,017	502	716	98.6	Rs. 4,998 13 10	P. 0 1 10
Vizagapatam ...	97,848	90,054	6,738	1,056	93.0	Rs. 11,744 1 5	P. 0 2 5
Total ...	1,124,091	1,008,166	88,270	27,646	91.9	Rs. 1,57,113 8 6	P. 0 2 7

* Information from one of the ranges not received.

† Information from 2 ranges not received.

Municipalities.	Direct from culf.				Preserved animal lymph.				Glycerine paste.				Lanoline paste.				Total.				
	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	
Ootacamund	6	6	...	...	100.0	1,154	1,153	...	1	100.0	...	...	...	...	...	1,150	1,153	...	...	...	100.0
Palacottah	688	640	34	5	95.0	83	82	...	1	100.0	...	...	...	...	...	771	751	34	...	...	95.6
Palghat	...	...	...	...	...	2,357	2,337	19	1	99.2	...	...	...	...	...	2,337	2,337	19	...	...	99.2
Palatinelli	...	...	...	...	...	885	715	170	...	80.8	...	...	...	...	...	885	715	...	...	...	80.8
Pennakulam	721	637	18	6	87.5	915	850	49	16	94.5	...	...	...	...	...	915	843	24	16	...	97.2
Puni	...	...	...	...	...	1,778	1,676	97	15	94.6	...	...	...	...	...	1,778	1,676	16	...	...	94.6
Rajmahendry	...	...	...	...	...	2,983	2,053	29	1	99.0	...	...	...	...	...	2,983	2,053	29	...	...	99.0
Salem	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,120	1,066	14	10	...	94.8
Srirangam	1,119	1,096	14	9	98.7	17	17	...	...	100.0	...	...	...	...	...	762	718	39	...	...	94.8
Srivilliputtur	735	701	39	5	94.7	1,036	988	44	4	95.7	...	...	...	...	...	1,036	1,003	22	...	...	97.8
Tanjore	779	749	29	2	96.4	1,209	1,093	129	47	89.4	...	...	...	...	...	1,240	1,170	44	23	...	96.4
Telicherry	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tindimooly	1,240	1,170	44	26	96.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tindimooly	7,509	7,283	167	50	97.7	...	...	...	...	...	...	...	...	...	...	7,509	7,283	167	59	...	97.7
Tirupattur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tirupati	...	...	...	...	...	400	352	24	24	93.6	...	...	...	...	...	...	...	...	...	...	...
Tiruvankandal.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuticorin	1,372	1,338	34	...	97.5	43	37	9	...	80.4	...	...	...	...	...	137	124	11	...	...	91.9
Vanyambadi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vellore	2,080	1,954	61	15	97.0	1,040	1,007	35	4	96.6	...	...	...	...	...	...	...	...	...	...	...
Vinayapattam	43	37	6	...	86.0	1,288	1,092	165	11	85.5	...	...	...	...	...	1,884	1,807	51	6	...	96.2
Vizhinagam	...	...	...	...	...	525	404	77	44	84.0	...	...	...	...	...	...	...	...	...	...	...
Walgajpet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	62,812	59,062	2,122	1,628	96.5	1,730	1,593	77	60	95.4	45,495	41,393	3,563	623	92.1	5,618	7,960	268	80	93.3	11,655
					</																

23. Human lymph has not been used in any district, except in the case of the Ganjam Hill Tracts where 226 were done by this means.

24. During the year 12,218 deaths from small-pox have been reported, or 5,778 more than last year. The majority of cases occurred in the Ganjam district. In this connection I would again bring to notice that the Revenue Board's Standing Order No. 195 has, in many cases, not been given effect to, so that it has happened that outbreaks of disease have occurred, and the deputy inspector has been in ignorance of it. It would, therefore, be desirable again to call the attention of the Revenue authorities to the importance of this matter.

25. In accordance with G.O., No. 523, Public, dated 6th July 1893, the attached diagrams have been prepared to show the effects of protection on the death rates from small-pox in each district and municipality. The figures are for ten years, and it is encouraging to note that, since these diagrams were instituted in the report for 1893-94, the 'mean' lines representing the proportion protected and the deaths from small-pox respectively have separated considerably, thus proving that real advance has been made. As formerly pointed out, the effect of the diagrams is somewhat spoilt by defective registration in Government villages, and by the non-existence of registration in large tracts from which vaccination returns are received.

26. In connection with statement 5 in the appendix, I think it right to observe that the high percentage of success found on inspection by many District Medical and Sanitary officers and Civil Surgeons is, no doubt, due to the fact that their investigations are largely confined now to municipalities and consist to a considerable extent of cases brought to the hospitals for verification by the parents, the vaccinators taking care that few unsuccessful ones are presented. Of 582 school-children examined by me during the year, 46 or 7·9 per cent. were unprotected and 78 or 13·4 per cent. marked by small-pox. I examined 1,311 children of the general population and found that 166 or 12·7 per cent. were unprotected and 135 or 10·3 per cent. marked by small-pox. From vaccinators' registers 978 cases were verified, of which 780 or 79·8 per cent. proved to be successful; practically the same proportion as the mean of the three previous years—*vide* table on page 2 of last annual report.

27. During the year two deputy inspectors have retired and two died; two have been suspended for six and one for three months for serious irregularities, while ten have been fined for less serious offences.

23. The service books of all deputy inspectors have been brought up to date, with the exception of two newly-appointed men.

I have the honour to be,

Sir,

Your most obedient servant,

W. B. BANNERMAN, M.D., B.Sc., Surgn.-Major, I.M.S.,

Inspector of Vaccination and

Deputy Sanitary Commissioner, Madras.

APPENDIX.

VACCINATION RETURNS.

A—VACCINI

STATEMENT No. I showing the Particulars of Vaccination in the

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1891.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary.	
						Males.	Females.	Total.		Total.	Under 1 year.
1	2	3	4	5	6	7			8	9	10
1	Anaimalai.	Anantapur circle	720,731	138	10	5,269	4,739	10,008	1,091	9,812	2,851
2		Pennakonda do.				4,123	3,705	7,830	1,119	7,718	2,174
3		Total of district				9,394	8,444	17,838	1,049	17,530	5,025
4	Ballary.	Ballary circle	514,663	143	15	9,977	9,405	19,382	1,292	19,200	8,543
5		Harpanahalli circle				5,644	5,172	10,816	1,292	10,576	4,812
6		Total of district				795,240	142	24	15,621	14,577	30,198
7	Chingleput.	Chingleput circle	506,888	340	14	14,794	14,273	29,067	2,076	27,447	13,935
8		Sailapet do.				10,832	9,872	20,704	1,882	19,431	8,825
9		Total of district				1,150,617	385	25	25,626	24,145	49,771
10	Coimbatore.	North Coimbatore circle	553,449	176	12	9,474	9,542	19,016	1,585	18,869	9,035
11		South do.				11,150	11,108	22,258	1,854	21,855	10,760
12		East do.				15,433	14,741	30,177	1,866	29,461	12,379
13		Total of district				1,933,376	247	40	36,060	35,391	71,451
14	Cuddapah.	Cuddapah circle	413,073	174	11	6,713	5,119	11,832	1,075	11,559	2,552
15		Madampalle do.				9,141	8,699	17,840	1,274	17,698	4,770
16		Silhoat do.				5,615	4,423	10,038	1,434	9,579	3,851
17		Total of district	1,254,693	143	32	21,469	18,241	39,710	1,241	38,836	11,173
18	Ganjum.	Chotrapur circle	1,836,519	219	20	12,142	9,587	21,729	1,086	21,219	747
19		Chikacole do.				10,424	9,268	19,692	1,741	18,481	1,761
20		Ganjum hill tracts				4,756	4,395	9,151	9,015	9,081	857
21		Total of district				1,891,519	219	43	27,322	23,250	50,572
22	Golkonah.	Ellore circle	647,190	256	22	17,229	15,315	32,544	1,479	31,054	3,849
23		Pittapore circle				10,059	9,157	19,216	1,291	18,686	1,798
24		Rayachandry circle				3,045	3,430	7,084	708	6,850	615
25		Government vaccination.				2,407	2,081	4,548	909	4,336	522
26		Total of district	1,980,450	345	55	33,400	29,992	63,392	1,196	61,826	6,778
27	Kistna.	Guntur circle	646,772	272	18	12,832	12,332	25,164	1,398	24,929	6,287
28		Machilipatnam circle				15,430	14,294	29,730	1,456	28,439	4,099
29		Vinakonda do.				6,918	6,535	13,783	1,263	13,072	5,548
30		Total of district				1,772,673	269	49	35,216	33,461	68,677
31	Kurnool.	Cambum circle	494,781	99	19	7,898	6,337	14,235	1,023	13,800	2,682
32		Kurnool do.				8,740	6,936	15,666	1,305	14,657	3,774
33		Total of district				828,361	112	24	16,628	13,273	29,901
34	Madura.	Madurai circle	814,267	259	14	16,068	14,690	30,758	2,128	29,033	13,618
35		Madura do.				10,450	9,916	20,366	1,851	20,211	8,436
36		Perambalur do.				17,930	16,742	34,672	1,926	34,109	10,092
37		Total of district				2,497,470	294	43	44,448	41,348	85,796

N.B.—In calculating the percentage of success shown in this statement

- Including temporary vaccinators.

DEPARTMENT.

Madras Presidency during the official year 1896-97

Vaccination.				Re-vaccination.				Percentage of successful cases.		Persons successfully vaccinated per 1,000 of population.			Average number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.			
Successful.																		
Over 1 and under 6 years.	Total of all ages.	Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Total.	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	26	27		
4,973	8,493	1,228	91	106	116	72	8	87.4	61.7	21.6	0.3	21.9	...	...	...	...		
4,587	7,104	504	110	112	71	32	9	93.4	68.9				...	...	...	...	...	...
9,560	15,597	1,732	201	308	187	104	17	90.0	64.3	21.6	0.3	21.9	16,779	23.3	211	0.3		
7,518	16,471	1,665	1,124	122	83	21	18	90.8	79.8	32.0	0.2	32.2	...	...	...	...		
4,690	9,876	511	189	240	206	22	12	95.1	90.3	35.2	0.7	35.9	...	...	...	...		
12,108	26,347	2,176	1,313	362	289	43	30	92.4	87.0	33.1	0.4	33.5	24,724	31.1	569	0.7		
8,193	24,684	1,979	784	1,620	1,257	228	135	92.6	84.6	43.5	2.2	45.7	...	...	...	...		
7,619	17,507	1,219	705	1,273	722	408	143	93.6	63.8	30.0	1.3	31.3	...	...	...	...		
15,812	42,191	3,198	1,480	2,893	1,079	636	278	90.0	75.5	36.7	1.7	38.4	39,859	34.6	286	0.3		
6,899	17,376	943	570	127	94	23	10	94.9	80.3	32.0	0.2	32.7	...	...	...	...		
9,488	20,411	1,163	281	403	255	71	77	94.6	78.2	34.2	0.4	34.6	...	...	...	...		
10,845	24,698	3,964	799	716	507	151	58	86.2	77.1	30.7	0.6	31.3	...	...	...	...		
27,226	62,485	6,070	1,650	1,240	856	245	145	91.1	77.7	32.3	0.4	32.7	55,604	28.7	1,067	0.5		
6,171	11,130	322	98	273	223	27	23	97.2	89.2	25.1	0.5	25.6	...	...	...	...		
9,407	17,595	158	5	142	87	55	...	99.1	61.3	34.9	0.2	35.1	...	...	...	...		
3,913	9,456	52	71	453	426	14	19	99.5	96.8	30.6	1.4	32.0	...	...	...	...		
10,891	38,130	352	174	874	796	96	42	98.6	88.5	30.4	0.6	31.0	36,040	29.4	347	0.3		
12,592	18,743	2,382	94	510	461	49	...	88.7	90.4	22.4	0.0	23.3	...	...	...	...		
9,711	14,679	3,779	23	1,211	1,113	98	...	79.5	91.9				...	...	...	...	...	...
3,332	7,809	751	521	70	66	4	...	91.2	94.3				...	...	...	...	...	...
25,575	41,231	6,912	638	1,791	1,640	161	...	85.6	91.0	22.4	0.9	23.3	31,578	17.2	306	0.2		
15,827	26,219	5,065	670	580	282	262	46	83.8	61.8	40.5	0.4	40.9	...	...	...	...		
11,044	15,411	2,670	605	530	85	392	53	85.2	17.8	40.2	0.2	40.4	...	...	...	...		
4,214	5,376	1,151	323	234	162	47	25	82.4	77.5	8.8	0.3	9.1	...	...	...	...		
1,727	2,975	1,242	119	212	143	69	...	70.5	67.4				...	...	...	...	...	...
32,812	49,981	10,128	1,717	1,566	672	770	124	83.2	46.6	25.2	0.3	25.6	46,173	23.3	2,532	1.3		
14,046	22,613	1,947	360	235	196	27	12	92.1	87.9	32.9	0.3	33.2	...	...	...	...		
17,805	27,086	1,038	315	1,291	1,193	77	21	96.3	93.1	38.4	1.7	40.1	...	...	...	...		
6,902	12,123	1,238	311	111	169	2	...	90.7	98.2	31.8	0.3	32.1	...	...	...	...		
37,753	61,822	4,223	995	1,537	1,498	106	33	93.6	93.4	34.9	0.8	35.7	61,484	29.0	2,984	1.7		
7,231	11,868	1,791	231	845	260	69	16	86.9	79.0	29.3	0.6	30.6	...	...	...	...		
6,927	12,489	1,365	863	1,009	687	165	157	90.5	80.6	29.5	1.6	31.1	...	...	...	...		
14,168	24,367	3,090	1,094	1,354	947	234	173	88.7	80.2	29.4	1.1	30.5	22,338	26.9	314	0.4		
12,074	28,268	422	343	1,725	1,521	140	58	98.5	91.2	34.6	1.9	36.6	...	...	...	...		
9,903	19,633	266	282	155	115	25	15	98.7	82.1	33.6	0.2	34.7	...	...	...	...		
19,059	33,547	397	159	569	441	104	24	98.3	80.9	31.6	0.4	31.9	...	...	...	...		
41,330	81,503	1,085	764	2,449	2,077	275	97	98.7	88.3	33.0	0.8	33.8	74,498	30.2	1,266	0.6		

and in statement No. III, unknown cases have not been taken into account

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 1891.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary		
						Males.	Females.	Total.		Total.	Under 1 year.	
1	2	3	4	5	6	7			8	9	10	
						Males.	Females.	Total.				
27	Malabar.	Tallicherry circle ...	2,464,154	429	13	9,435	5,130	14,565	1,120	14,131	147	
28		Calicut do. ...				15	13,267	6,850	19,117	1,274	18,741	385
29		Palghat do. ...				14	10,763	6,362	17,124	1,223	16,805	207
		Total of district ...				42	33,464	17,342	50,806	1,210	49,677	739
30	Nellore.	Kavali circle ...	1,423,540	164	9	5,580	5,297	10,877	1,209	10,853	1,362	
31		Nellore do. ...				12	7,665	7,441	15,106	1,258	14,992	3,273
32		Ongole do. ...				10	6,733	6,418	13,151	1,295	13,142	1,552
		Total of district ...				31	19,978	19,156	39,134	1,262	38,987	6,187
33	Nilgiris.	Nilgiri circle ...	78,695	85	4	2,770	1,569	4,339	1,085	4,061	507	
		Total of district ...	78,695	85	4	2,770	1,569	4,339	1,085	4,061	507	
34	North Arcot.	Chittoor circle ...	2,026,088	293	15	9,851	9,017	18,868	1,257	18,418	6,056	
35		Vellore do. ...				13	8,701	6,884	15,585	1,199	14,115	3,092
36		Karvetnagar do. ...				9	10,440	10,491	20,931	2,325	20,549	6,340
		Total of district ...				37	28,992	26,392	55,384	1,497	53,082	15,488
37	Salem.	Krishnagiri circle ...	1,862,544	249	12	9,092	9,610	18,702	1,558	16,852	7,278	
38		Salem do. ...				19	15,080	15,101	30,181	1,588	24,090	6,764
39		Namakkal do. ...				17	15,446	15,488	30,934	1,819	26,293	6,265
		Total of district ...				48	39,618	40,199	79,817	1,665	67,238	20,307
40	South Arcot.	Cuddalore circle ...	2,083,206	431	18	16,486	16,366	32,852	1,825	32,577	10,383	
41		Vridhachalam circle ...				15	9,167	8,846	18,013	1,200	17,932	7,283
42		Tiruvannamalai do. ...				9	5,366	5,018	10,384	1,147	10,247	4,311
		Total of district ...				42	30,959	30,230	61,189	1,457	60,756	21,977
43	South Canara.	No. I. South Canara circle ...	611,971	320	14	11,773	10,577	22,350	1,592	21,849	1,832	
44		No. II. do. do. ...	399,466	201	10	8,448	7,535	15,983	1,598	15,351	1,380	
		Total of district ...	1,011,437	260	24	20,221	18,052	38,273	1,595	37,200	3,212	
45	Tanjore.	Nagapattam circle ...	898,215	612	15	13,267	12,339	25,606	1,707	24,454	4,816	
46		Tanjore do. ...	1,117,821	516	22	16,793	14,479	30,272	1,976	28,527	3,700	
		Total of district ...	2,016,036	555	37	29,060	26,818	55,878	1,510	52,981	8,516	
47	Tinnevely.	Sattur circle ...	553,104	322	11	10,915	10,279	21,194	1,927	20,672	4,843	
48		Sarnaddevi circle ...	512,974	322	11	11,459	10,610	22,069	2,006	20,391	6,192	
49		Tinnevely do. ...	745,915	383	15	14,387	13,437	27,824	1,854	26,495	4,550	
		Total of district ...	1,817,993	343	37	36,761	34,326	71,087	1,921	67,558	15,585	
50	Trichinopoly.	Trichinopoly circle ...	1,260,476	355	18	18,241	17,994	36,235	2,013	34,555	7,198	
		Total of district ...	1,260,476	355	18	18,241	17,994	36,235	2,013	34,555	7,198	

DEPARTMENT.

Madras Presidency during the official year 1896-97—continued.

vaccination.				Re-vaccination.				Percentage of successful cases.		Persons successfully vaccinated per 1,000 of population.			Average number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.	
Successful.																
Over 1 and under 6 years.	Total of all ages.	Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Total.	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	26	27
4,807	10,924	2,041	1,166	434	143	233	58	84.3	38.0	15.4	0.2	15.5	...	...	...	...
4,997	13,476	3,175	2,090	376	152	163	61	80.9	48.2							
5,368	13,439	2,616	750	319	103	196	15	83.7	35.5							
15,172	37,839	7,832	4,006	1,129	403	592	134	82.9	40.5	15.4	0.2	15.5	51,519	20.9	6,207	2.5
5,824	6,335	1,935	583	24	7	11	6	81.2	48.7	21.8	0.04	21.8	...	...	...	...
7,734	12,885	1,559	548	114	51	48	15	89.2	51.5							
7,100	9,684	2,890	568	9	1	5	3	77.0	16.7							
20,658	30,904	6,384	1,699	147	59	64	24	82.9	47.9	21.8	0.04	21.8	50,641	35.6	421	0.3
1,328	4,016	20	25	278	240	7	31	99.5	97.2	51.0	3.0	54.0	...	...	...	...
1,328	4,016	20	25	278	240	7	31	99.5	97.2	51.0	3.0	54.0	3,018	38.9	33	0.4
10,487	18,001	372	45	450	382	65	3	98.0	85.5	25.2	1.0	26.2	...	...	...	...
9,171	13,209	826	80	1,470	1,324	134	12	94.1	90.8							
10,862	19,874	626	40	382	328	46	8	90.9	87.7							
30,430	51,054	1,824	174	2,302	2,034	245	23	96.6	93.6	25.2	1.0	26.2	48,730	24.5	1,401	0.7
6,092	15,799	749	313	1,850	1,531	101	128	95.5	89.0	34.0	3.3	37.3	...	...	...	...
13,233	21,386	2,140	564	6,091	4,800	830	461	90.9	85.3	32.1	7.2	39.3	...	...	...	...
13,142	22,557	2,360	1,379	4,638	3,434	682	522	90.5	89.4	30.8	4.7	35.5	...	...	...	...
33,067	59,733	5,249	2,256	12,579	9,765	1,703	1,111	91.9	85.1	32.1	5.2	37.3	64,989	34.9	878	0.5
18,267	31,534	529	514	275	227	25	25	98.3	90.1	28.3	0.2	28.5	...	...	...	...
8,970	17,970	316	252	81	69	9	3	98.2	88.9							
4,018	9,959	117	171	77	67	4	6	98.8	94.4							
32,155	58,863	956	937	433	363	38	32	98.4	90.5	28.3	0.2	28.5	61,512	20.5	2,009	0.9
11,518	20,713	718	418	441	329	83	29	96.6	79.9	33.8	0.7	34.5	...	...	...	...
7,350	13,987	850	514	632	436	109	87	94.3	80.0	35.0	1.1	36.1	...	...	...	...
18,868	34,700	1,568	932	1,073	765	192	116	95.7	79.9	34.3	0.7	35.0	31,896	31.5	218	0.2
13,233	21,421	2,610	417	1,152	652	462	38	89.1	58.5	23.8	0.7	24.5	...	...	...	...
14,400	22,787	5,159	581	1,745	866	739	140	81.5	54.0	20.4	0.8	21.2	...	...	...	...
27,723	44,208	7,775	993	2,897	1,518	1,201	178	85.0	55.8	21.9	0.7	22.6	44,923	22.3	857	0.4
11,195	19,559	744	369	522	405	90	27	96.3	81.8	34.8	0.7	35.7	...	...	...	...
9,761	19,493	499	309	1,478	1,480	89	100	97.5	94.3	38.0	2.9	40.9	...	...	...	...
15,091	25,478	883	132	1,329	1,064	231	34	96.6	82.1	31.2	1.4	35.6	...	...	...	...
30,047	64,530	2,128	900	3,523	2,040	410	170	96.8	87.8	35.5	1.6	37.1	75,373	41.5	1,394	0.7
20,031	33,514	414	627	1,680	1,503	88	89	98.8	94.5	26.6	1.2	27.3	...	...	...	...
20,031	33,514	414	627	1,680	1,503	88	89	98.8	94.5	26.6	1.2	27.3	40,710	32.3	294	0.2

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 1891.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary	
						Males.	Females.	Total.		Total.	Under 1 year.
51	Vizagapatam.	Gunnur circle ...	...	...	3	1,391	936	* 2,327	776	2,324	51
52		Zemindary vaccinators ...	...	...	2	1,018	809	* 1,827	609	1,817	154
		Jaypore circle ...	...	...	4	2,390	2,306	4,696	1,174	4,626	195
		Zemindary vaccinators ...	...	...	7	2,995	2,694	5,689	813	5,678	87
		Total of hill tracts ...	...	...	17	7,794	6,745	14,539	855	14,445	487
53	Vizagapatam.	Vizagapatam circle ...	...	...	14	18,450	12,559	26,015	1,892	24,092	5,219
		Government vaccinators (Gudem hills) ...	...	...	1	313	315	628	628	614	56
54		Vizianagram circle ...	...	...	18	28,965	27,701	56,666	3,148	56,490	10,707
	Vizianagram.	Total of district ...	2,710,787	155	50	50,528	47,320	97,848	1,957	95,451	16,469
		Total of circles and districts ...	33,497,656	284	718	575,776	521,520	1,097,296	1,528	1,054,372	266,386
1	Military Cantonments.	Bangalore ...	93,540	...	2	406	490	896	448	461	301
2		Saunderrabad ...	85,165	...	3	2,662	2,093	4,755	1,426	3,723	2,135
		Total of cantonments ...	178,705	...	5	3,068	2,583	5,651	1,130	4,184	2,436
	Medical Subordinates.	† Medical Subordinates ...	...	...	...	12,105	343	12,748	...	1,295	2
1		Adoni ...	26,243	13,121	1	731	711	1,442	1,442	1,423	1,028
2		Anantapur ...	6,994	777	1	352	143	495	495	264	204
3	Municipalities.	Anantapur ...	17,010	1,417	1	656	584	1,240	1,240	1,095	470
4		Bellary ...	50,467	2,297	2	1,342	1,213	2,555	1,061	2,468	1,845
5		Berhampur ...	25,667	6,443	2	626	452	1,078	539	982	309
6	Municipalities.	Bezwada ...	20,741	4,148	1	836	710	1,546	1,546	1,334	548
7		Bimlipatam ...	9,827	1,092	1	296	241	537	537	450	354
8		Chilicut ...	60,978	5,083	4	3,893	2,614	6,507	1,427	6,311	2,297
9	Municipalities.	Cannanore ...	27,418	6,854	2	948	735	1,683	845	1,421	534
10		Chidambaram ...	18,341	6,080	1	555	479	1,034	1,034	781	258
11		Chidambaram ...	18,640	3,167	1	358	237	595	595	444	141
12	Municipalities.	Chingleput ...	9,763	7,811	1	149	120	269	269	258	65
13		Cochin ...	17,601	17,601	1	728	442	1,170	1,170	1,011	459
14		Cocanada ...	40,553	8,111	2	1,015	935	1,950	975	1,842	708
15	Municipalities.	Coimbatore ...	46,483	15,461	2	1,145	991	2,136	1,053	2,015	1,505
16		Coimbatore ...	42,548	10,637	2	1,144	867	2,011	1,005	1,563	1,207
17		Coonoor ...	69,419	672	1	307	270	577	577	553	292
18	Municipalities.	Cuddalore ...	47,355	4,305	2	1,270	1,107	2,377	1,188	2,220	1,846
19		Cuddalore ...	17,479	915	1	378	156	534	534	310	226
20		Dindigul ...	29,203	10,101	1	554	475	1,029	1,027	938	749
21	Municipalities.	Dindigul ...	29,382	3,265	2	1,120	821	1,941	972	1,814	535
22		Dindigul ...	12,330	1,121	1	349	254	603	603	543	391
23		Gudiyattam ...	18,747	18,747	1	475	431	906	906	839	515
24	Municipalities.	Guntur ...	23,459	1,797	1	690	406	1,096	1,096	1,057	678
25		Karur ...	10,750	10,750	1	304	254	558	558	474	342
26		Kumbakonam ...	54,307	18,102	2	947	826	1,773	886	1,007	882
27	Municipalities.	Kurnool ...	24,376	4,875	1	953	570	1,523	1,523	1,343	675
28		Madrass ...	462,518	16,019	24	16,028	10,993	27,021	1,126	19,193	12,029
29		Madrass ...	87,423	6,725	3	3,166	2,501	5,667	1,855	3,371	3,858
30	Municipalities.	Mannargudi ...	20,305	5,099	1	327	329	656	656	643	495
31		Mangalore ...	40,222	8,184	2	1,071	931	2,002	1,001	1,527	609
32		Masulipatam ...	38,809	9,792	2	1,104	803	1,907	953	1,693	1,002
33	Municipalities.	Mayavaram ...	23,765	7,222	1	398	388	786	786	777	564
34		Nagapattinam ...	59,421	8,460	3	1,582	1,538	3,120	1,140	3,060	1,752
35		Nellore ...	29,330	1,173	1	661	539	1,200	1,200	1,094	843
36	Municipalities.	Onole ...	10,560	2,715	1	283	262	545	545	484	287
37		Ootacamund ...	15,053	1,368	1	597	563	1,160	1,160	814	575
38		Palacottah ...	16,686	6,229	1	462	309	771	771	576	403

* Information for nine months only was available.

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

DEPARTMENT.

Madras Presidency during the official year 1896-97—continued.

vaccination.				Re-vaccination.				Percentage of successful cases.		Persons successfully vaccinated per 1,000 of population.			Average number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.	
Successful.		Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Primary vaccination.	Re-vaccination.							
Over 1 and under 6 years.	Total of all ages.									Primary vaccination.	Re-vaccination.	Total.	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	26	27
1,077	1,986	250	88	3	3	...	...	88.8	100.0	...	...	...	...	...	...	...
950	1,512	239	66	10	10	...	...	86.3	100.0	...	...	...	...	...	...	...
2,421	3,984	434	208	70	23	27	20	90.2	46.9	...	...	...	...	...	...	...
3,403	4,893	705	80	11	11	...	...	100.0	...	...	...	...	...	...	...	...
7,857	12,375	1,628	442	94	47	27	20	88.4	63.5	...	...	...	...	...	...	...
14,392	24,222	538	232	1,023	915	71	37	97.8	92.8	...	...	...	...	...	...	...
375	557	55	2	14	14	...	...	91.0	100.0	...	...	...	...	...	...	...
30,267	50,894	4,207	299	1,266	1,080	204	32	92.4	89.5	...	...	...	...	...	...	...
52,891	88,918	6,428	975	2,397	2,006	302	89	93.2	87.0	32.5	0.7	33.2	65,785	24.3	687	0.4
524,755	951,988	79,730	23,554	42,924	32,486	7,502	2,936	92.3	81.2	28.4	1.0	29.4	939,071	28.0	24,281	0.8
142	443	18	...	435	231	204	...	96.1	53.1	4.8	2.5	7.2	709	7.0	13	0.1
893	3,185	441	97	1,032	531	451	50	87.8	54.1	37.4	6.3	43.6	3,323	39.0	2	0.02
1,035	3,628	459	97	1,467	762	655	50	88.8	58.8	20.3	4.3	24.6	4,032	22.6	15	0.1
27	1,088	151	56	11,453	8,051	2,904	438	87.8	73.1	...	...	...	...	...	...	...
103	1,261	149	13	19	10	5	4	89.2	66.7	48.0	0.4	48.4	1,087	41.4	...	...
53	263	...	1	231	199	8	34	100.0	66.9	37.6	27.0	64.8	383	54.8	...	...
548	1,066	28	1	145	119	25	1	97.5	82.6	62.8	6.9	69.7	1,182	69.5	18	1.0
340	2,234	266	28	717	699	81	37	91.6	88.1	37.6	9.9	47.6	3,038	51.1	9	0.1
418	812	156	14	96	45	35	16	83.9	56.2	31.7	1.8	33.4	861	33.6	1	0.04
583	1,277	54	3	235	170	65	...	95.9	72.3	61.6	8.2	69.8	1,513	72.0	10	0.5
71	427	20	3	87	77	9	1	93.5	89.5	43.5	7.8	51.3	538	54.7	1	0.1
2,191	5,899	227	185	193	123	64	9	96.3	65.8	89.3	1.9	91.1	4,722	71.5	318	4.8
397	1,216	166	9	265	50	163	62	86.1	23.5	44.1	1.8	46.2	1,809	65.0	8	0.3
93	394	386	1	233	90	163	...	50.5	35.6	21.6	4.9	20.5	693	34.6	3	0.2
161	628	3	13	11	4	5	2	99.5	44.4	33.7	0.2	33.9	783	42.0	11	0.6
147	242	10	6	11	4	4	3	96.0	50.0	24.8	0.4	25.2	...	...	...	...
349	953	53	5	159	116	40	3	94.7	54.4	54.1	6.6	60.7	1,216	69.1	90	5.1
461	1,751	61	30	108	48	44	16	96.6	52.2	43.2	1.2	44.4	2,032	50.1	16	0.4
457	2,000	8	7	91	67	15	9	99.6	81.7	43.1	1.4	44.5	1,715	37.6	65	1.4
237	1,559	2	2	448	413	30	5	99.9	93.2	36.6	9.7	46.3	1,747	41.0	19	0.4
201	544	5	4	84	75	7	2	93.1	98.6	89.9	12.4	102.3	598	98.8	1	0.1
728	2,194	20	6	157	122	2	39	99.1	98.4	46.3	2.6	48.0	2,246	47.4	29	0.6
78	307	3	...	224	185	26	13	99.0	87.7	17.6	10.6	28.3	513	29.6	7	0.4
154	924	9	5	89	85	2	2	99.0	97.7	45.7	4.2	49.9	993	49.4	4	0.2
750	1,652	162	...	130	107	23	...	91.1	82.3	56.2	3.6	59.8	2,061	70.1	23	0.5
180	593	3	2	60	59	1	...	98.5	98.3	43.2	4.8	48.0	598	48.5	3	0.2
192	711	111	17	67	46	21	...	86.5	68.7	37.9	2.5	40.4	3,370	17.9	17	0.9
258	952	80	25	129	92	27	10	92.2	77.3	40.8	3.9	44.7	1,022	43.7	9	0.4
86	441	22	1	94	80	14	...	95.2	85.1	41.0	7.4	48.4	422	39.2	3	0.3
418	1,415	279	3	76	60	16	...	83.5	78.9	20.1	1.1	27.2	1,585	29.2	19	0.2
273	1,114	112	117	180	117	10	44	90.9	86.5	45.7	4.8	50.5	904	37.1	1	0.04
6,322	18,789	153	251	7,828	6,024	891	913	99.2	87.1	41.5	13.9	54.8	23,852	52.7	26	0.05
1,352	5,278	93	...	496	472	21	3	98.9	95.7	60.4	5.1	65.8	4,397	50.3	138	1.6
71	674	67	2	13	9	4	...	89.5	69.2	28.1	6.1	28.5	745	36.5	10	0.5
579	1,496	31	...	475	461	14	...	98.9	97.1	36.6	11.3	47.8	2,212	51.0	3	0.1
458	1,002	1	...	394	240	55	...	99.9	81.9	41.3	6.4	47.7	2,633	67.7	40	1.0
87	701	69	4	9	9	9	...	91.1	101.0	20.6	9.4	30.0	810	34.1	7	0.3
1,027	2,021	70	69	360	316	33	11	97.7	90.5	49.3	5.3	54.6	3,064	61.5	23	0.4
212	1,094	...	...	106	37	31	38	100.0	54.4	37.3	1.3	38.6	1,160	39.5	5	0.2
78	401	77	6	61	33	28	...	63.9	54.1	36.9	3.0	40.0	438	30.3	7	0.6
169	813	...	1	346	346	...	...	100.0	100.0	54.0	23.0	77.0	992	65.8	1	0.1
76	556	17	3	195	175	17	3	97.9	91.1	29.8	9.4	39.1	937	59.1	14	0.7

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 1891.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary	
						Males.	Females.	Total.		Total.	Under 1 year.
1	2	3	4	5	6				7		
39	Municipalities—cont.	Palghat	39,481	4,387	2	1,371	980	2,357	1,178	2,300	1,119
40		Parthakimedi	16,390	5,463	1	444	441	885	885	784	380
41		Periyakulam	16,533	606	1	485	394	879	879	746	621
42		Palni	16,940	2,420	1	617	298	915	915	588	417
43		Rajahmundry	28,397	2,366	2	1,159	619	* 1,778	889	1,381	646
44		Salem	67,710	11,285	2	1,409	1,484	2,983	1,491	2,967	2,714
45		Srirangam	21,632	3,090	1	560	560	1,120	1,120	988	407
46		Srivilliputtur	29,541	29,541	1	348	414	762	762	740	568
47		Tanjore	54,390	6,799	2	876	939	1,815	967	1,805	962
48		Tellicherry	27,196	6,799	1	714	555	1,269	1,269	1,186	846
49		Tinnevely	24,768	24,768	1	738	502	1,240	1,240	1,240	674
50		Trichinopoly	90,609	9,061	5	4,225	3,284	7,509	1,502	6,843	2,481
51		Tirupattur	16,499	4,125	2	419	426	845	422	820	618
52		Tirupati	14,242	14,242	1	322	268	590	590	526	413
53		Tiruvannamalai	13,650	1,186	1	169	74	183	183	164	62
54		Tuticorin	25,107	3,369	1	815	557	1,372	1,372	1,320	576
55		Vaniyambadi	15,838	15,838	1	647	499	1,046	1,046	1,043	739
56		Vellore	44,925	11,231	2	1,199	831	2,030	1,015	1,871	1,167
57		Vilupattam	34,487	11,496	1	798	593	1,331	1,331	1,165	849
58	Vizianagaram	30,881	7,720	1	1,144	740	1,884	1,884	1,643	866	
59	Wallajpet	10,485	10,485	1	342	183	525	525	359	256	
		Total of municipalities ...	2,153,921	5,499	111	67,484	51,171	118,655	1,069	101,276	60,131
		Grand Total ...	35,651,577†	261	894	658,738	575,617	1,234,355	1,465	1,161,127	928,955

* Besides this number 1,481 cases were vaccinated in the Central Jail, Rajahmundry, by the Municipal Vaccinators.

† Excludes the population of the Cantonments of Bangalore and Secunderabad.

DEPARTMENT.

Madras Presidency during the official year 1896-97—continued.

vaccination.				Re-vaccination.				Percentage of successful cases.		Persons successfully vaccinated per 1,000 of population.			Average number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.	
Successful.		Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Total.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
Over 1 and under 6 years.	Total of all ages.															
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
1,190	2,291	17	1	48	46	2	...	99.3	95.8	58.0	1.2	59.2	2,596	65.7	105	2.7
166	625	159	...	101	90	11	...	79.7	80.1	38.1	5.5	43.6	804	49.0	1	0.1
109	733	11	2	133	110	13	10	98.5	89.4	44.8	6.7	51.5	779	47.6	31	1.9
108	527	45	16	327	323	4	...	92.1	98.8	91.1	19.2	50.2	642	37.8	8	0.5
527	1,357	23	1	397	319	74	4	98.3	81.2	47.8	11.2	59.0	1,518	53.4	28	1.0
202	2,937	29	1	16	16	...	...	99.0	100.0	43.4	0.2	43.6	3,287	48.5	14	0.2
359	968	10	10	132	128	4	...	98.9	97.0	46.7	5.9	50.7	1,037	47.9	6	0.3
127	709	26	5	22	9	13	...	96.1	40.9	24.0	0.3	24.3	...	...	4	0.1
579	1,730	70	5	10	7	2	1	96.1	77.8	31.8	0.1	31.9	1,899	34.9	30	0.5
170	1,079	79	28	83	14	50	19	93.2	21.9	39.7	0.5	40.2	1,370	50.4	52	1.9
295	1,170	44	26	...	...	...	...	96.4	...	47.2	...	47.2	1,623	65.5	11	0.4
3,210	6,699	113	31	666	584	54	28	98.3	91.3	73.9	6.4	80.3	7,095	78.3	82	0.9
181	822	4	...	19	18	1	...	99.5	94.7	49.8	1.1	50.9	780	47.2	12	0.7
78	507	4	15	64	26	27	11	99.2	49.1	35.6	1.8	37.4	499	35.0	17	1.2
82	153	9	2	19	8	11	...	94.4	42.1	11.2	0.6	11.8	...	...	...	...
455	1,288	32	...	52	50	2	...	97.6	93.2	51.3	2.0	53.3	1,274	60.7	42	1.7
244	1,005	34	4	3	2	1	...	96.7	66.7	63.5	0.1	63.6	947	59.8	2	0.1
594	1,859	8	4	159	95	53	11	99.6	64.2	41.4	2.1	43.5	2,121	47.2	56	1.2
140	1,029	127	9	166	100	64	2	89.0	61.0	29.8	2.9	32.7	1,489	43.2	3	0.1
443	1,590	51	2	241	217	20	4	96.9	91.6	51.5	7.0	58.5	1,454	47.1	2	0.1
44	314	38	7	166	90	39	37	89.2	69.8	29.9	8.6	38.5	432	41.2	...	...
28,651	96,389	3,881	1,006	17,379	13,585	2,453	1,391	96.1	84.7	44.7	6.3	51.0	83,852	41.3	1,465	0.7
554,468	1,052,193	84,221	24,713	73,223	54,834	13,574	4,815	92.6	80.2	29.5	1.5	31.1	1,031,956	28.9	...	...

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the fiscal year 1896-97.

EXPENDITURE.

Number.	Districts.	Circles.	Inspector of Vaccination and Deputy Sanitary Commissioner.			Deputy Inspectors.			Vaccinators.				Clerks.		Peons, &c.		Total pay of establishment.
			Inspector of Vaccination and Deputy Sanitary Commissioner.	Pay.	First class.	Second class.	Pay.	First class.	Second class.	Probationers.	Pay.	Number.	Pay.	Number.	Pay.	Number.	
1	10	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	Amul-pur.	Anantapur circle	...	...	1	...	Rs. A. P. 752 9 9	2	4	4	Rs. A. P. 1,478 7 4	...	...	...	Rs. A. P. 72 0 0	2,303 1 1	
		Ponnakonda do.	...	...	...	1	464 5 3	1	3	3	1,026 14 5	...	...	1	72 0 0	1,563 5 8	
		Total of district ...	...	...	1	1	1,216 15 0	3	7	7	2,505 5 9	...	...	2	144 0 0	3,866 4 9	
2	Bellary.	Bellary circle	...	...	1	...	843 0 0	6	7	2	1,995 14 2	...	...	...	72 0 0	2,911 14 2	
		Harpachalli circle	...	...	...	1	480 7 7	3	5	1	1,013 9 5	...	...	1	72 0 0	1,566 1 0	
		Total of district ...	...	...	1	1	1,323 7 7	9	12	3	3,010 7 7	...	...	2	144 0 0	4,477 15 2	
3	Chinglupur.	Chinglupet circle	...	...	1	...	849 7 0	4	7	3	1,816 1 1	...	...	...	66 0 0	2,731 8 7	
		Saidapet do.	...	...	1	...	844 14 1	4	6	1	1,510 2 2	...	...	1	66 0 0	2,411 0 3	
		Total of district ...	...	...	2	...	1,694 5 7	8	13	4	3,326 3 3	...	...	2	132 0 0	5,142 8 10	
4	Columbare.	North Coimbatore circle	...	...	1	...	811 12 5	2	8	2	1,235 6 3	...	...	...	84 0 0	2,161 2 8	
		South do.	...	...	1	...	473 5 4	3	6	3	1,426 15 8	...	...	1	88 12 5	1,984 1 5	
		East do.	...	...	1	...	720 0 0	4	10	2	1,829 7 4	...	...	1	84 0 0	2,633 7 4	
5	Gundlupet.	Total of district ...	...	...	2	1	2,025 1 9	9	24	7	4,491 13 6	...	...	3	251 12 5	6,778 11 5	
		Gundlupet circle	...	...	1	...	804 0 0	4	6	1	1,421 1 5	...	...	...	386 0 0	2,611 1 5	
		Madanapalle do.	...	...	1	...	840 0 0	4	8	2	1,904 4 9	...	...	10	84 0 0	2,828 4 9	
6	Gundlupet.	Sidhout do.	...	...	1	...	720 0 0	3	4	1	1,183 14 1	...	...	1	84 0 0	1,987 14 1	
		Total of district ...	...	...	3	...	2,364 0 0	11	18	4	4,509 4 3	...	...	12	554 0 0	7,427 4 3	

[illegible]

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1896-97—continued.

Number.	Districts.	Circles.	Expenditure—cont.				Paid from					Number of all successful vaccinations and re-vaccinations.	Average cost of each successful case.
			Contingencies.		Total cost.	Imperial funds.							
			15	16		20	21	22	23	24	25		
			Traveling allowance.				Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zemindari.	Total.	26
			15	16	20	21	22	23	24	25	26	27	28
1	Annamalai. pur.	Anantapur circle ...	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
2		Penukonda do. ...	293 15 6	683 9 7	3,280 10 2	...	...	3,280 10 2	...	...	...	3,280 10 2	0 6 1
3		Total of district ...	183 14 3	581 15 8	2,329 1 7	...	...	2,329 1 7	...	...	...	2,329 1 7	0 5 2
4	Bellary. pur.	Bellary circle ...	477 13 9	1,265 9 3	5,609 11 9	...	...	5,609 11 9	...	...	...	5,609 11 9	0 5 8
5		Harpanahalli circle ...	1,461 8 6	1,343 1 0	5,716 7 8	...	...	5,716 7 8	...	...	...	5,716 7 8	0 5 6
6		Total of district ...	897 3 9	103 8 0	2,566 12 9	...	...	2,566 12 9	...	...	...	2,566 12 9	0 4 1
7	Chingle. pur.	Chingleput circle ...	2,358 12 3	1,446 9 0	8,283 4 5	...	...	8,283 4 5	...	...	...	8,283 4 5	0 5 0
8		Saidapet do. ...	694 6 3	786 12 4	4,212 11 2	...	...	4,212 11 2	...	...	...	4,212 11 2	0 2 7
9		Total of district ...	735 2 1	648 1 0	3,797 3 4	...	...	3,797 3 4	...	...	...	3,797 3 4	0 3 4
10	Columba. pur.	North Coimbatore circle...	1,432 8 4	1,434 13 4	8,009 14 6	...	...	8,009 14 6	...	...	...	8,009 14 6	0 2 11
11		South do. ...	303 10 0	139 13 6	2,604 10 2	...	...	2,604 10 2	...	...	...	2,604 10 2	0 2 5
12		East do. ...	222 5 0	735 6 7	2,941 13 0	...	...	2,941 13 0	...	...	...	2,941 13 0	0 2 3
	Cuddapah.	Total of district ...	278 15 6	215 9 4	3,128 0 2	...	...	3,128 0 2	...	...	...	3,128 0 2	0 2 0
		Cuddapah circle ...	804 14 6	1,090 13 5	8,674 7 4	...	...	8,674 7 4	...	...	...	8,674 7 4	0 2 2
		Madanapalle do. ...	1,139 6 6	286 4 7	4,036 12 6	...	...	4,036 12 6	...	...	...	4,036 12 6	0 5 8
	Cuddapah.	Sidhant do. ...	1,218 10 9	979 9 1	5,026 8 7	...	...	5,026 8 7	...	...	...	5,026 8 7	0 4 7
		Total of district ...	854 14 5	356 13 2	3,199 9 8	...	...	3,199 9 8	...	...	...	3,199 9 8	0 5 2
		Total of district ...	3,212 15 8	1,622 10 10	12,262 14 9	...	...	12,262 14 9	...	...	...	12,262 14 9	0 4 11

APPENDIX.

VACCINATION RETURNS.

13	Chennai.	Chatturpur circle ...	282 5 6	100 7 0	3,498 1 10	...	...	3,498 1 10	...	...	...	3,498 1 10	0 2 11
14		Chennai do. ...	254 5 0	1,090 7 6	4,049 6 0	...	...	4,049 6 0	...	...	...	4,049 6 0	0 4 1
15	Chennai.	Govind Hill tract ...	511 12 0	117 8 0	2,651 4 2	...	...	2,651 4 2	...	...	...	2,651 4 2	0 5 5
16		Total of district ...	1,045 6 6	1,308 6 6	10,198 12 0	...	...	10,198 12 0	...	...	...	10,198 12 0	0 3 10
17	Chennai.	Ellore circle ...	1,383 4 0	1,640 13 1	6,404 10 11	...	...	6,404 10 11	...	...	...	6,404 10 11	0 3 10
18		Pitapuram circle ...	924 0 0	770 3 11	4,303 8 9	...	...	4,303 8 9	...	...	...	4,303 8 9	0 4 5
19	Chennai.	Rajamundry do. ...	600 15 8	757 3 9	3,097 9 11	...	...	3,097 9 11	...	...	...	3,097 9 11	0 8 11
20		Government vaccinators ...	629 7 6	263 6 6	2,169 12 4	...	...	2,169 12 4	...	...	...	2,169 12 4	0 11 1
21	Chennai.	Total of district ...	3,522 11 2	3,436 11 3	15,975 9 11	...	...	15,975 9 11	...	...	...	15,975 9 11	0 5 1
22		Guntur circle ...	778 1 3	168 8 7	3,960 1 8	...	...	3,960 1 8	...	...	...	3,960 1 8	0 2 9
23	Chennai.	Madanapalle circle ...	1,053 5 3	566 13 2	4,783 3 8	...	...	4,783 3 8	...	...	...	4,783 3 8	0 2 8
24		Vinankonda do. ...	640 14 0	102 6 0	2,488 5 11	...	...	2,488 5 11	...	...	...	2,488 5 11	0 3 3
25	Chennai.	Total of district ...	2,377 4 6	837 6 9	11,231 11 3	...	...	11,231 11 3	...	...	...	11,231 11 3	0 2 10
26		Cumbum circle ...	586 1 3	729 12 8	3,205 8 10	...	...	3,205 8 10	...	...	...	3,205 8 10	0 4 3
27	Chennai.	Kurnool do. ...	650 10 6	660 12 6	3,387 13 8	...	...	3,387 13 8	...	...	...	3,387 13 8	0 4 1
28		Total of district ...	1,242 11 9	1,390 9 2	6,593 6 6	...	...	6,593 6 6	...	...	...	6,593 6 6	0 4 2
29	Chennai.	Dindigul circle ...	222 11 0	1,049 14 3	4,208 7 3	...	...	4,208 7 3	...	...	...	4,208 7 3	0 2 3
30		Madurai do. ...	194 10 0	1,176 0 10	3,346 1 8	...	...	3,346 1 8	...	...	...	3,346 1 8	0 2 8
31	Chennai.	Parangudi do. ...	285 0 0	895 7 8	4,995 9 11	...	...	4,995 9 11	...	...	...	4,995 9 11	0 2 4
32		Total of district ...	702 5 0	3,121 5 9	12,550 2 10	...	...	12,550 2 10	...	...	...	12,550 2 10	0 2 5
33	Chennai.	Tellicherry circle ...	421 15 6	195 4 4	2,902 3 5	...	...	2,902 3 5	...	...	...	2,902 3 5	0 4 2
34		Calicut do. ...	440 10 7	136 5 2	3,584 2 10	...	...	3,584 2 10	...	...	...	3,584 2 10	0 4 2
35	Chennai.	Palghat do. ...	578 6 6	689 7 6	3,647 8 8	...	...	3,647 8 8	...	...	...	3,647 8 8	0 4 4
36		Total of district ...	1,439 0 1	1,021 1 0	10,133 14 11	...	...	10,133 14 11	...	...	...	10,133 14 11	0 4 3
37	Chennai.	Kavali circle ...	562 13 0	34 3 0	2,332 4 6	...	...	2,332 4 6	...	...	...	2,332 4 6	0 4 7
38		Nellore do. ...	522 13 0	142 3 11	2,916 15 11	...	...	2,916 15 11	...	...	...	2,916 15 11	0 3 7
39	Chennai.	Ongele do. ...	569 1 0	106 9 9	2,435 8 6	...	...	2,435 8 6	...	...	...	2,435 8 6	0 4 0
40		Total of district ...	1,724 11 0	283 0 5	7,744 12 11	...	...	7,744 12 11	...	...	...	7,744 12 11	0 4 0
41	Chennai.	Nilgiris ...	325 11 0	366 14 3	1,593 10 10	...	...	1,593 10 10	...	...	...	1,593 10 10	0 6 0
42		Total of district ...	325 11 0	366 14 3	1,593 10 10	...	...	1,593 10 10	...	...	...	1,593 10 10	0 6 0
43	Chennai.	Chittoor circle ...	955 6 6	1,051 15 11	4,863 7 8	...	...	4,863 7 8	...	...	...	4,863 7 8	0 4 3
44		Yellore do. ...	837 9 0	912 4 11	4,549 8 10	...	...	4,549 8 10	...	...	...	4,549 8 10	0 4 10
45	Chennai.	Karvetnagar circle ...	844 9 6	1,047 10 6	3,565 1 1	...	...	3,565 1 1	...	...	...	3,565 1 1	0 2 10
46		Total of district ...	2,687 9 0	2,981 15 4	12,978 1 7	...	...	12,978 1 7	...	...	...	12,978 1 7	0 3 10

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1896-97—continued.

Expenditure.															
Number.	Districts.	Circles.	Inspector of Vaccination and Deputy Secretary Commissioner.	Deputy Inspectors.		Vaccinators.				Clerks.		Peons, &c.		Total pay of establishment.	
				First class.	Second class.	Pay.	First class.	Second class.	Probationers.	Pay.	Number.	Pay.	Number.		
1		3	4	5	6	7	8	9	10	11	12	13	14	15	17
37	Madras.	Madras Presidency	1	Rs. A. P.			Rs. A. P.				Rs. A. P.		Rs. A. P.		Rs. A. P.
		Total of district	1	12,614 11 1											
38	Salem.	Krishnagiri circle													
39		Salem do.			1	1	480 0 0	3	6	3	1,274 12 1			1	1,938 12 1
40		Namakkal do.			1	1	480 0 0	3	11	3	2,040 11 8			1	2,947 11 6
		Total of district			2	2	1,800 0 0	9	23	9	5,294 1 7			3	7,319 4 5
41	South Arcot.	Cuddalore circle			1	1	750 0 0	8	8		2,576 8 4	1	30 0 0	1	3,452 8 4
42		Viduthachalam circle					480 0 0	7	6	2	1,342 2 10			1	1,918 2 10
43		Tiruvannamalai do.				1	1	240 0 0	4	4	1	648 14 9			1
		Total of district			1	2	1,470 0 0	19	18	3	4,567 9 11	1	30 0 0	3	6,282 7 9
44	South Canara.	No. I, South Canara circle.			1	1	677 8 2	3	5	6	2,397 7 7			1	3,170 15 9
45		No. II, do.				1	1	568 14 8	2	4	4	1,570 6 3			1
		Total of district			1	1	1,246 6 10	5	9	10	3,967 13 10			2	5,394 4 6
46	Tanjore.	Nagapattam circle			1		715 0 0	4	10	1	2,121 8 7			1	2,920 8 7
47		Tanjore do.			1	1	840 0 0	5	14	3	2,741 12 5			1	3,665 12 5
		Total of district			2		1,555 0 0	9	24	4	4,863 5 0			2	6,586 5 0
48	Tinnevely.	Satūr circle				1	480 0 0	2	6	3	1,135 8 3			5	1,916 5 6
49		Sermadūr circle			1	1	480 0 0	2	4	5	1,262 3 10			5	2,066 3 10
50		Tinnevely do.			1		753 3 6	3	5	7	1,725 14 4			6	2,873 5 7
		Total of district			1	2	1,713 3 8	7	15	15	4,123 10 5			16	6,855 14 11

51	Trichinopoly.	Trichinopoly circle			1	1		1	8	2	2,126 0 8	2		2	3,277 12 8
	Total of district				1	1		1	8	2	2,126 0 8	2		2	3,277 12 8
52	Ganapuri circle				1	1		1	1	1		1		1	
53	Zemindari vaccinators				1	1		1	3	1	806 12 0	1		1	1,339 2 8
	Total of district				2	2		2	4	2	806 12 0	2		2	1,339 2 8
54	Vizagapatnam.	Vizagapatnam circle			1	1		1	8	2	1,524 10 10	2		2	1,997 1 6
	Government vaccinators (Gudem hills).				1	1		1	6	3	1,903 11 3	2		2	2,470 11 3
55	Vizagapatnam circle				1	1		1	8	3	2,706 10 8	2		2	3,548 10 8
	Total of district				2	2		2	14	6	4,612 11 3	4		4	6,018 11 3
	Grand Total of districts				33	20		33	222	136	88,903 15 9	9		9	1,43,381 5 11

* Information not received.

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1896-97—continued.

STATEMENT No. 11 showing the Cost of the Department in the Madras Presidency during the official year 1896-97—continued.																								
Number.	Districts.	Circles.	Expenditure—cont.				Paid from					Total.	Number of all successful vaccinations and re-vaccinations.	Average cost of each successful case.										
			Travelling allowances.		Contingencies.		Total cost.		Imperial funds.						Provincial funds.		Local funds.		Municipal funds.		Zemindars.			
			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.	
37	Madras Presidency	Total of district ...	1,650	13 0	...	...	14,265	8 1	...	...	14,265	8 1	...	...	...	...	...	...	...	...	...	...	...	...
38			1,650	13 0	...	...	14,265	8 1	...	...	14,265	8 1	...	...	...	...	...	...	...	...	...	...	...	...
39	Salem.	Krishnagiri circle	100	6 0	312	15 1	2,442	1 2	...	...	2,442	1 2	...	...	...	...	...	...	...	...	...	...	...	...
40		Salem do.	233	12 3	421	12 11	3,803	7 8	...	...	3,803	7 8	...	...	...	...	...	...	...	...	...	...	...	...
41	Salem.	Namakkal do.	191	2 6	487	6 2	3,111	2 6	...	...	3,111	2 6	...	...	...	...	...	...	...	...	...	...	...	...
42		Total of district ...	615	4 9	1,222	2 2	9,156	11 4	...	...	9,156	11 4	...	...	...	...	...	...	...	...	...	...	...	...
43	South Arcot.	Cuddalore circle	1,287	2 0	1,575	0 6	6,314	10 10	...	...	6,314	10 10	...	...	...	...	...	...	...	...	...	...	...	...
44		Viduthachalam circle	908	4 0	123	4 1	2,947	10 11	...	...	2,947	10 11	...	...	...	...	...	...	...	...	...	...	...	...
45	South Arcot.	Tiruvannamalai do.	322	14 0	40	10 0	1,275	4 7	...	...	1,275	4 7	...	...	...	...	...	...	...	...	...	...	...	...
46		Total of district ...	2,516	4 0	1,738	14 7	10,537	10 4	...	...	10,537	10 4	...	...	...	...	...	...	...	...	...	...	...	...
47	South Arcot.	No. I, South Canara circle	501	3 0	100	6 8	3,772	9 5	...	...	3,772	9 5	...	...	...	...	...	...	...	...	...	...	...	...
48		No. II, do.	573	12 11	101	6 10	2,904	8 8	...	...	2,904	8 8	...	...	...	...	...	...	...	...	...	...	...	...
49	South Arcot.	Total of district ...	1,080	15 11	201	13 6	6,677	2 1	...	...	6,677	2 1	...	...	...	...	...	...	...	...	...	...	...	...
50		Negapatnam circle	355	0 0	944	9 3	4,220	1 10	...	...	4,220	1 10	...	...	...	...	...	...	...	...	...	...	...	...
51	Tanjore.	Tanjore do.	308	1 6	1,218	2 6	5,252	0 5	...	...	5,252	0 5	...	...	...	...	...	...	...	...	...	...	...	...
52		Total of district ...	723	1 6	2,163	11 9	9,472	2 3	...	...	9,472	2 3	...	...	...	...	...	...	...	...	...	...	...	...
53	Tanjore.	Satūr circle	573	6 9	611	12 4	3,101	8 7	...	...	3,101	8 7	...	...	...	...	...	...	...	...	...	...	...	...
54		Sernadai circle	526	8 6	620	14 4	3,283	10 8	...	...	3,283	10 8	...	...	...	...	...	...	...	...	...	...	...	...
55	Tinnevely.	Tinnevely do.	795	10 10	818	11 5	4,487	11 10	...	...	4,487	11 10	...	...	...	...	...	...	...	...	...	...	...	...
56		Total of district ...	1,965	10 1	2,051	6 1	10,872	15 1	...	...	10,872	15 1	...	...	...	...	...	...	...	...	...	...	...	...

VACCINATION RETURNS.

51	Trichinopoly circle	...	256 13 0	1,464 4 2	4,998 13 10	...	4,998 13 10	...	4,998 13 10	95,017	0 2 3
	Total of district	...	256 13 0	1,464 4 2	4,998 13 10	...	4,998 13 10	...	4,998 13 10	35,017	0 2 3
52	Gannur circle	...	*	*	*	...	*	...	...	1,989	*
	Zemindari vaccinators	...	626 12 0	247 13 6	2,213 12 2	...	2,213 12 2	...	2,213 12 2	1,522	...
53	Jeyore circle	...	314 15 6	...	972 14 4	...	972 14 4	...	972 14 4	4,007	0 8 10
	Zemindari vaccinators	...	...	...	...	...	...	...	...	4,904	0 3 2
	Total of Hill tracts	...	941 11 6	247 13 6	3,186 10 6	...	3,186 10 6	...	3,186 10 6	12,432	0 6 9
54	Vizagapatnam circle	...	195 6 9	2,466 7 8	5,132 9 8	...	5,132 9 8	...	5,132 9 8	25,137	0 3 3
	Government vaccinators	...	115 0 0	29 10 3	253 10 9	...	253 10 9	...	253 10 9	571	0 7 1
	(Gudem hills).	...	464 10 6	4,185 2 0	8,198 7 2	...	8,198 7 2	...	8,198 7 2	51,924	0 2 6
55	Vizagapatnam circle	...	1,716 12 9	6,939 1 5	16,771 6 1	...	16,771 6 1	...	16,771 6 1	90,054	0 3 1
	Total of district	...	33,833 1 6	37,378 5 2	214,592 12 7	...	214,592 12 7	...	214,592 12 7	983,574	0 3 6
	Grand Total of districts	...				...		...			

* Information not received.

A—VACCINE DEPARTMENT.

STATEMENT NO. II showing the Cost of the Department in the Madras Presidency during the official year 1896-97—continued.

		Expenditure.													
1	2	Inspector of Vaccination and Deputy Sanitary Commissioners.			Deputy Inspectors.			Vaccinators.				Clerks.		Peons, &c.	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16
Number.	Municipalities.	Inspector of Vaccination and Deputy Sanitary Commissioners.	Deputy Inspectors.	Deputy Inspectors.	Deputy Inspectors.	Deputy Inspectors.	Deputy Inspectors.	Deputy Inspectors.	Deputy Inspectors.	Deputy Inspectors.	Deputy Inspectors.	Deputy Inspectors.	Deputy Inspectors.	Deputy Inspectors.	Deputy Inspectors.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Adoni	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Anantapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Arakoppa	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Bellary	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Berampur	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Beraroda	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Bhulputam	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Calicut	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cananore	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...

VACCINATION RETURNS.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Adoni	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Anantapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Arakoppa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Bellary	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Berampur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Beraroda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Bhulputam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Calicut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cananore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	Chinnale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Was working in the Local Vaccine Depot as well as in the Municipality, but was paid for from Local Funds.
 † Includes 1 peon, 8 watchmen, 9 sweepers and 1 toty.

38

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1896-97—continued.

[illegible]

பெரியவை.

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1896-97.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.						Re-vaccination.				Percentage of successful cases.	
					Total.	Successful.			Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Primary vaccination.	Re-vaccination.
						Under 1 year.	Over 1 and under 5 years.	Total of all ages.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Anantapur District.																
Anantapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bakkapattanam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dharmavaram	...	...	30	...	30	11	18	29	1	...	...	...	...	...	...	...
Gooty	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Hydrabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	96.7	...
Kalyandurg	...	...	21	...	21	5	11	18	3	...	...	...	...	...	...	...
Madakasira	...	...	...	...	...	...	...	...	...	...	...	...	...	...	85.7	...
Pamidi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Penukonda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tadipatri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Urayukonda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	51	...	51	16	29	47	4	...	...	...	...	...	92.2	...
Bellary District.																
Adoni	...	...	17	...	11	...	...	6	4	1	6	4	1	1	60.0	80.0
Alur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bellary	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brucetpettah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cowl Bazar	...	...	2	...	2	...	...	2	...	...	...	...	...	...	...	...
Hospet	...	...	45	...	45	...	...	42	1	...	2	3	...	...	100.0	...
Madagully	...	...	...	...	...	...	...	...	...	...	...	...	...	...	97.7	100.0
Marpanahalli	...	...	21	...	21	...	...	14	6	2	...	...	...	...	73.7	...
Metlagundi	...	...	4	...	4	...	...	4	...	...	...	...	...	...	100.0	...
Kanekablu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kudligi	...	...	20	...	20	...	...	18	2	...	...	...	...	...	90.0	...
Kottur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kumpli	...	...	25	...	25	...	...	23	1	1	...	...	...	...	95.8	...
Kurugodu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rayachur	...	...	8	...	8	...	...	8	...	...	...	...	...	...	100.0	...
Sundur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Siraguppa	...	...	7	...	7	...	...	4	1	2	...	...	...	...	80.0	...
Yennigandur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	149	...	141	...	...	121	14	6	8	6	1	1	89.6	85.7
Chingleput District.																
Chingleput	...	...	108	...	81	57	11	77	2	2	27	22	4	1	97.5	84.6
Conjeevaram	...	...	224	...	224	13	110	224	...	...	...	...	...	...	100.0	...
Cheyar	...	...	6	...	6	2	2	6	...	...	...	...	...	...	100.0	...
Madurantakam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nagalapuram	...	...	10	...	10	6	4	10	...	...	...	...	...	...	...	...
Pannéri	...	...	30	...	22	...	1	22	...	...	8	7	1	...	100.0	...
Poonamallee	...	...	30	...	31	15	13	29	2	...	5	3	2	...	100.0	87.5
Pulicat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	93.0	60.0
Saidapet	...	...	24	...	24	2	1	3	21	...	...	...	...	...	...	...
Sathiyavolu	...	...	37	...	27	5	18	23	4	...	10	6	2	2	12.5	75.0
Sripurambadur	...	...	24	...	24	17	1	24	...	...	...	...	...	...	100.0	...
Tiruppur	...	...	43	...	41	3	22	28	9	4	2	2	...	...	75.7	100.0
Tiruvallur	...	...	27	...	18	4	5	16	2	...	9	8	1	...	88.9	88.9
Tiruvottiyur	...	...	50	...	40	14	24	40	...	...	10	8	2	...	100.0	80.0
Utramareur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	619	...	548	138	212	502	40	6	71	56	12	3	92.6	82.4
Coimbatore District.																
Alanthorai	...	...	10	...	9	5	3	9	...	...	1	1	...	...	100.0	100.0
Aravakurichi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bharani	...	...	4	...	4	...	...	2	...	...	...	...	...	...	...	...
Coimbatore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1896-97—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.						Re-vaccination.				Percentage of successful cases.	
					Total.	Successful.			Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Primary vaccination.	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.																
Coimbatore, Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dharmapuram	...	...	15	...	15	4	4	8	7	...	...	...	...	...	53.3	...
Erode	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gopichettipalayam	...	...	120	...	118	91	14	114	4	...	2	2	...	...	96.6	...
Harur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Karur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Karur, Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kodamudi	...	...	65	...	57	6	32	53	3	1	8	8	...	...	94.6	100.0
Kollegal	...	...	8	...	8	6	2	8	...	...	...	...	...	...	100.0	...
Kangayam	...	...	57	...	51	8	24	35	15	1	6	6	...	...	70.0	...
Mettupalayam	...	...	2	...	2	...	...	2	...	...	...	...	...	...	100.0	...
Nerijupet	...	...	9	...	9	3	6	9	...	...	...	...	...	...	100.0	...
Palladam	...	...	35	...	35	5	26	35	...	...	...	...	...	...	100.0	...
Pollachi	...	...	12	...	12	1	3	10	2	...	...	...	...	...	100.0	...
Pollachi, Women and Children.	...	...	46	...	46	14	27	42	4	...	...	...	...	...	83.3	...
Satyamangalam	...	...	14	...	14	...	9	9	3	2	...	...	...	...	75.0	...
Talavady	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tiruppur	...	...	30	...	30	13	16	30	...	...	...	...	...	...	100.0	...
Udamalpet	...	...	16	...	16	10	6	16	...	...	...	...	...	...	100.0	...
Vettigarapudur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	443	...	425	166	172	382	38	6	17	9	8	...	91.0	62.9
Cuddalore District.																
Badvel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddalore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jammalamadugu	...	...	40	...	40	12	17	32	8	...	...	...	...	...	80.0	...
Kadiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madanapalle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pilgeru	...	...	9	...	9	4	2	7	2	...	...	...	...	...	77.7	...
Porumamilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Proddatur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulivendla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ramazpet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rayachoti	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Siddhant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	49	...	49	18	19	39	10	...	...	...	...	...	79.6	...
Ganjam District.																
Aska	...	...	151	...	139	...	...	99	37	3	12	11	...	1	72.8	100.0
Borhanpur	...	...	16	...	16	...	...	8	8	...	...	...	...	...	50.0	...
Chingapatnam	...	...	102	...	102	...	...	80	12	...	...	...	...	...	88.2	...
Chitrapur	...	...	97	...	97	...	...	71	24	2	...	...	...	...	74.7	...
Chikencola	...	...	50	...	50	...	...	28	22	...	...	...	...	...	56.0	...
Ganjam	...	...	83	...	83	...	...	72	8	3	...	...	...	...	90.0	...
Garabanda	...	...	53	...	53	...	...	45	8	...	...	...	...	...	84.9	...
Gopalpur	...	...	185	...	129	...	...	75	2	52	66	9	11	36	97.4	45.0
Itahapur	...	...	82	...	82	...	...	82	...	...	...	...	...	...	100.0	...
Parlakimedi	...	...	157	...	144	...	...	120	24	...	13	13	...	...	83.3	100.0
Parushottapur	...	...	91	...	91	...	...	25	...	...	...	...	...	...	100.0	...
Rassalkonda	...	...	89	...	89	...	...	58	22	9	...	...	...	...	72.5	...
Sompeta	...	...	81	...	69	...	...	51	18	...	15	14	1	...	73.9	99.3
Sunda	...	...	125	...	122	...	...	97	25	...	3	1	2	...	79.5	39.3
Tekkali	...	...	156	...	151	...	...	104	47	...	5	4	1	...	88.9	80.0
Varanasi	...	...	275	...	275	...	...	263	12	1	...	...	...	...	95.6	...
Total	...	...	1,736	...	1,632	...	...	1,287	269	76	104	52	15	37	82.7	77.6

B—DISPENSARY VACCINATION

STATEMENT No. III showing *Dispensary Vaccination in the Madras Presidency during the official*
year 1896-97—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.						Re-vaccination.				Percentage of successful cases.		
					Total.	Successful.			Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Primary vaccination.	Re-vaccination.	
						Under 1 year.	Over 1 and under 6 years.	Total of ages.									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Gadchhari District.																	
Achanta	...	...	72	...	72	...	44	61	11	...	...	...	...	...	84.7	...	
Akavidi	...	...	55	...	55	...	60	74	8	6	7	5	2	...	90.2	71.4	
Amalapuram	...	...	35	...	35	...	15	35	...	...	...	...	...	...	100.0	...	
Bendavaram	...	...	39	...	39	...	19	26	6	4	3	2	1	...	81.2	66.7	
Bhadrachalam	...	...	40	...	20	...	7	10	10	...	20	7	11	2	50.0	33.9	
Bhimavaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	82.8	33.3	
Chintalapudi	...	...	66	...	66	...	7	26	48	10	6	2	4	...	...	...	
Chodavaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Coringa	...	...	47	...	44	...	4	32	44	...	3	...	...	...	100.0	...	
Dowlaiswaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Ellore	...	...	155	...	140	...	33	80	147	2	6	5	1	...	98.8	83.3	
Gokaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Gollamandada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Kothapeta	...	...	40	...	38	...	1	21	30	3	5	...	...	...	...	...	
Mandapeta	...	...	40	...	40	...	...	24	30	10	...	2	...	...	90.9	...	
Mundivaram	...	...	31	...	31	...	...	20	28	3	...	...	...	...	75.0	...	
Narsapur	...	...	40	...	40	...	4	20	24	18	...	...	...	...	90.3	...	
Peelapuram	...	...	92	...	92	...	17	62	85	7	...	...	...	...	60.0	...	
Pentapadu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	92.3	...	
Pittapero	...	...	53	...	53	...	7	37	49	4	...	...	...	...	92.5	...	
Polavaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Bothavaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Rajahmundry	...	...	50	...	39	...	4	23	39	...	11	11	...	...	100.0	...	
Ramachendrapuram	...	...	15	...	15	...	...	15	15	...	...	...	...	...	100.0	100.0	
Rozala	...	...	60	...	43	...	22	16	39	5	7	7	...	...	88.4	100.0	
Tatlapudi	...	...	53	...	52	...	4	40	44	8	1	...	1	...	84.6	...	
Tanuku	...	...	56	...	49	...	2	31	44	3	7	4	1	2	93.6	80.0	
Tuni	...	...	60	...	57	...	2	32	56	1	...	...	...	...	98.2	100.0	
Yatesvaram	...	...	39	...	39	...	...	6	31	2	...	3	...	...	79.5	...	
Total	...	...	1,168	...	1,092	...	117	627	933	138	21	76	46	26	4	87.1	63.9
Kistna District.																	
Avanigadda	...	...	74	...	74	...	13	50	74	...	...	...	...	...	100.0	...	
Bapatla	...	...	41	...	39	...	5	14	21	18	...	2	...	...	53.0	...	
Bozavali	...	...	68	...	49	...	40	3	49	...	19	15	4	...	100.0	78.9	
Chirala	...	...	222	...	222	...	21	185	222	...	...	...	...	...	10	...	
Dachopalle	...	...	75	...	75	...	20	37	60	15	...	...	...	...	100.0	...	
Duggirala	...	...	118	...	118	...	12	31	74	44	...	...	...	...	80.0	...	
Gudiwada	...	...	40	...	40	...	8	21	40	...	...	...	...	...	62.7	...	
Guntur	...	...	88	...	32	...	...	...	31	1	50	46	7	3	100.0	...	
Jaggayyapet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	96.9	86.3	
Karempady	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Kylenkur	...	...	68	...	68	...	14	46	65	3	...	...	...	...	95.6	...	
Masulipatam	...	...	135	...	114	...	11	66	97	12	5	21	7	14	88.9	33.3	
Masulipatam, Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Mylavaram	...	...	3	...	3	...	...	2	3	...	...	...	...	...	100.0	...	
Nandigama	...	...	77	...	77	...	18	52	77	...	...	...	...	...	100.0	...	
Narasaraopet	...	...	28	...	11	...	4	6	11	...	...	...	...	...	100.0	...	
Nuzvid	...	...	27	...	22	...	4	17	22	...	17	17	...	...	100.0	100.0	
Ropalala	...	...	23	...	18	...	3	11	16	1	5	3	1	1	100.0	80.0	
Sattopalle	...	...	35	...	35	...	5	27	33	2	...	...	...	...	94.1	75.0	
Tonali	...	...	79	...	68	...	6	55	66	2	11	9	2	...	94.3	...	
Tiruvur	...	...	54	...	46	...	8	24	42	2	8	2	6	...	97.1	81.8	
Ummercoada	...	...	48	...	48	...	31	13	47	1	...	...	...	...	95.5	25.0	
Vaikonda	...	...	3	...	...	...	...	...	...	...	3	...	3	...	97.9	...	
Total	...	...	1,306	...	1,159	...	223	660	1,050	101	8	147	103	40	4	90.6	72.0
Surnool District.																	
Bagadda	...	...	99	...	99	...	23	24	59	37	3	...	...	...	61.5	...	
Chimakur	...	...	114	...	106	...	17	13	41	61	4	8	5	3	40.2	62.5	
Chagalmari	...	...	75	...	71	...	3	19	39	32	...	4	4	...	54.9	100.0	
Chinnam	...	...	16	...	16	...	3	7	13	3	...	...	...	...	81.2	...	

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1896-97—continued.

[illegible]

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1896-97—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.						Re-vaccination.				Percentage of successful cases.	
					Total.	Successful.			Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Primary vaccination.	Re-vaccination.
						Under 1 year.	Above 1 and under 5 years.	Total of all ages.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Tinnevely District—cont.																
Tuticorin ...	...	...	40	...	30	2	15	20	1	...	10	10	...	...	96.7	100.0
Virakeralampudur ...	...	...	51	...	51	...	34	41	9	1	...	...	...	...	82.0	...
Virudupatti ...	...	...	98	...	98	12	59	85	12	1	...	...	...	...	87.6	...
Total ...	...	...	1,341	...	1,122	126	431	916	139	67	219	121	68	40	86.8	63.0
Trichinopoly District.																
Ariyakur ...	...	...	17	...	17	3	13	16	...	1	...	...	...	...	100.0	...
Erungalore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Iluppār ...	...	...	26	...	26	...	...	26	...	...	...	...	...	...	100.0	...
Kulittalai ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lalgudy ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manappurāi ...	...	...	18	...	15	2	11	15	...	...	3	3	...	...	100.0	100.0
Musli ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Perambalur ...	...	...	6	...	6	...	3	6	...	...	...	...	...	...	100.0	...
Srirangam ...	...	...	36	...	36	13	19	35	1	...	...	...	...	...	97.2	...
Trichinopoly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tarniyūr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tavarankurichi ...	...	...	23	...	...	...	...	...	...	...	23	19	4	...	...	82.6
Udaiyarpalaiyam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Oriyūr Jubilee Dispensary ...	...	...	45	...	45	8	27	45	...	...	...	...	...	...	100.0	...
Total ...	...	...	171	...	145	26	73	143	1	1	26	22	4	...	99.3	84.6
Vizagapatam District.																
Anakapalle ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bimlipatam ...	...	...	47	...	16	1	3	16	...	...	31	31	...	...	100.0	100.0
Bisimicottah ...	...	...	28	...	28	...	23	27	1	...	...	...	...	...	...	...
Bobbili ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	96.4	...
Do. Samasthanam Gosha Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chitpurapalle ...	...	...	1	...	1	...	...	1	...	...	...	...	...	...	100.0	...
Chodavaram ...	...	...	53	...	52	1	40	44	8	...	1	1	...	...	85.6	100.0
Chitapatungarum ...	...	...	18	...	15	1	6	15	...	...	3	3	...	...	100.0	100.0
Ganapur ...	...	...	30	...	30	...	7	27	2	1	...	...	...	...	93.1	...
Jam ...	...	...	65	...	65	12	31	43	22	...	...	...	...	...	60.2	...
Joypora ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nakkapalli ...	...	...	10	...	8	...	7	7	1	...	2	1	1	...	87.5	50.0
Naraspatnam ...	...	...	39	...	39	21	12	37	2	...	...	...	...	...	94.9	...
Nowrangapur ...	...	...	96	...	96	6	45	94	...	2	...	...	...	...	100.0	...
Palkonda ...	...	...	23	...	23	1	20	21	2	...	...	...	...	...	91.3	...
Parvatipur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pondur ...	...	...	10	...	10	...	5	10	...	...	...	...	...	...	100.0	...
Rayagada ...	...	...	22	...	22	...	19	22	...	...	...	...	...	...	100.0	...
Razam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sātur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Saungavarapukota ...	...	...	27	...	24	4	20	24	...	...	3	3	...	...	100.0	100.0
Vaeraghattam ...	...	...	60	...	55	11	37	53	...	2	5	5	...	...	100.0	100.0
Viangapattam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do. Victoria Gosha Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do. Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vizianagaram for Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Waltair ...	...	...	22	...	11	...	10	1	...	11	8	3	...	...	99.9	72.7
Yellamanchili ...	...	...	60	...	57	3	14	51	5	1	3	...	3	...	91.1	...
Total ...	...	...	611	...	532	61	289	502	44	6	59	52	7	...	91.9	88.1
Grand Total ...	...	...	13,370	...	12,004	1,964	5,189	10,267	1,405	332	1,966	909	307	150	88.0	74.8

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

Establishment.	Persons primarily vaccinated.																			
	1887-88.		1888-89.		1889-90.		1890-91.		1891-92.		1892-93.		1893-94.		1894-95.		1895-96.		1896-97.	
	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.	Total number.	Number success-fully vaccinated.
Government vaccinators ...	9,741	9,479	17,092	16,210	23,357	27,227	17,820	16,684	16,375	14,906	15,038	13,823	15,637	14,015	18,750	16,717	20,306	17,054	21,051	17,311
Local Fund do ..	618,588	590,855	670,318	643,701	708,953	680,355	743,467	706,117	820,195	768,616	932,209	883,648	948,275	897,051	956,040	874,099	985,873	879,670	1,021,642	927,372
Cantonment do. ...	2,375	2,253	4,316	3,912	3,341	3,265	3,681	3,913	3,253	2,998	5,209	4,806	3,713	3,407	2,727	2,525	4,071	3,527	4,184	3,625
Zemindary do. ...	4,042	3,886	2,276	2,160	5,254	5,069	6,328	6,017	6,625	6,420	6,860	6,496	6,339	5,536	5,778	4,904	6,341	5,355	7,435	6,407
Municipal do. ...	71,710	67,403	81,566	77,180	81,442	75,215	91,167	85,095	100,830	95,898	166,364	100,013	102,237	98,150	105,575	101,269	107,733	98,715	101,276	96,359
Dispensaries ...	13,736	11,596	18,283	15,603	26,876	23,923	38,886	33,162	45,531	36,104	35,958	30,392	26,541	23,072	24,415	20,603	17,526	15,101	12,004	10,267
Medical subordinates ...	2,033	1,620	2,517	1,517	3,077	1,793	4,759	2,727	3,804	2,724	4,882	3,527	2,586	1,942	3,505	2,930	2,775	2,214	1,265	1,082
Total ...	721,925	688,051	796,362	700,343	856,894	817,307	965,119	883,058	996,274	927,719	1,106,517	1,040,506	1,105,408	1,043,181	1,116,820	1,023,037	1,120,623	1,022,267	1,173,131	1,062,460

STATEMENT No. V showing particulars of Vaccination verified by Inspecting Officers during 1896-97.

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 reported by Vaccinators.
		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.	
Anantapur	18,384	923	13,414	5.0	73.0	92.0	78.5	89.8
Bellary	36,512	541	16,361	1.5	44.5	97.4	83.1	87.6
Chingleput	52,070	215	27,791	0.4	52.8	97.2	91.0	92.2
Coimbatore	76,184	2,660	35,237	3.4	46.3	82.6	95.0	91.2
Cuddapah	40,203	1,030	24,330	2.6	60.9	96.3	96.3	98.2
Ganjam	55,849	1,098	29,749	2.0	53.3	61.2	81.4	84.9
Godavari	71,789	2,333	42,931	3.2	59.8	81.9	81.6	83.2
Kistna	74,645	999	35,100	1.3	47.0	91.1	85.6	93.6
Kurnool	32,388	2,145	19,732	6.6	60.9	89.8	88.8	88.5
Madras	95,683	4,215	48,050	4.4	50.2	90.2	93.7	98.3
Malabar	64,707	1,228	22,019	1.8	34.0	92.7	79.6	84.3
Nellore	41,220	754	23,413	1.8	56.8	95.0	79.5	89.2
Nilgiris	6,157	624	...	10.1	...	100.0	...	99.4
North Arcot	60,746	327	34,627	0.5	56.8	99.1	95.4	96.0
Salem	86,596	1,869	46,038	2.2	53.2	100.0	81.7	91.4
South Arcot	65,582	1,732	32,857	2.7	50.1	87.0	95.9	93.4
South Canara	40,708	1,031	17,996	2.6	43.9	96.9	93.9	95.4
Tanjore	67,883	293	30,837	0.4	45.4	100.0	91.0	84.8
Tinnevely	77,263	2,091	36,904	2.7	47.8	86.8	94.3	96.4
Trichinopoly	45,663	3,622	11,454	7.9	25.1	89.6	98.4	97.5
Viragapatam	104,091	676	56,497	0.6	54.3	97.3	95.1	99.0
Total ...	1,215,048	30,488	605,187	2.5	49.8	90.8	89.5	92.0

N.B.—Besides the above the Inspector of Vaccination and Deputy Sanitary Commissioner verified 9.8 cases, out of which 780 cases or 79.3 per cent. proved successful.

No. 8137 of 97

G.O. No. 5111 of 29 Sept 97

Communicated

to the Board of Revenue

2 with reference to the

Concluding sentence of para 9

of the ~~Revenue~~ ^{read above} Proceedings

the attention of the Board

of Revenue will be drawn

to the instructions conveyed

in G.O. No. 3819 of 24.9.1896

and No. 764 of 7.9.1897.

~~and the Board should~~

strict observance of

which

case should be insisted

on.

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The Board of Revenue

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189

CURRENT

ENCLOSURES TO O. No.

ORDER OF GOVERNMENT

A A A A A A A

LETTER OF GOVERNMENT

STATEMENT

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N.B.—
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