Local & Munl. (189) Department.

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G.O., No.s 1657 &
1657A2

DATED 30-8-97

DESPATCHED

[Despatch Abstract.]

Vaccination

Reviewing the report on —— 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

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Recd. } 1897. *Enclosures*

Regd. *Spare copies*

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

AUGUST.

Vaccination.

Reviewing the report on — for 1896–97.

BACK

G.O.	No.	Department.	Date.

L., 30th August 1897.

T 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	15,805	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	114,953	113,837	118,135	120,190	118,655
(d) Cantonment staffs	6,089	5,489	3,739	5,366	5,651
(e) Dispensary staffs	38,341	28,513	26,410	19,201	13,370
(f) Medical subordinates	15,142	16,439	15,870	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 6	A. P. 3 6

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

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, Gódávari, Ganjám, 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, Srírangam, Cuddapah and Kumbakónam 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 depôt. It should have been explained what steps are taken to insure that an efficient vaccine is supplied from the depôts 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 Ganjám, Vizagapatam and Gódávari, 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 Ganjám and in the Gudem 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), Ganjám (11,382), Kistna (11,041), Gódávari

Anantapur	..	..	..	— 3,504
Tinnevelly	..	..	..	— 2,081
Madura	..	..	..	— 1,013
Malabar	..	..	..	— 139
Chingleput	..	..	..	— 38

In South Arcot there was a decrease in the previous year also, while in Tinnevelly 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 Tinnevelly. 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), Gódávari (83·2), Tanjore (83·6) and Ganjám (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, Gódávari, 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 Tiruvannámalai 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 Tiruvannámalai 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 Ellore, Cocanada, Tinnevelly and Mangalore. The special attention of the councils concerned is

The average outturn of work by each vaccinator 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, Srívilliputtúr, Kumbakónam 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	347,526	332,921	97·3
	1896–97	332,292	314,851	94·7
Vaccination with lymph preserved in glass tubes or plates.	1894–95	142,899	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	614,088	86·2
Vaccination with lymph preserved with lanoline.	1894–95	..	..	..
	1895–96	27,540	25,278	94·3
	1896–97	78,819	71,563	90·5
Total ..	1894–95	1,164,150	1,053,993	92·5
	1895–96	1,190,541	1,074,919	92·3
	1896–97	1,241,843	1,113,050	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,

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G.O.	No.	Department.	Date.

L., 30th August 1897.

of 5,778 more than in 1895–96, the majority of the cases having occurred in the district of Ganjám. 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 Tinnevelly, and more than 3,000 in the Nilgiri, Chingleput, Salem and South Canara districts, while in Ganjám and Malabar the number continued to be very low, being under 1,900. As regards municipalities, omitting the three recently constituted municipalities of Chingleput, Srívilliputtúr and Tiruvannámalai, the number of protected persons per 10,000 of the population varied from 8,400 in Coonoor to 2,700 in Kumbakónam. 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.)

G. S. FORBES,
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.

Exd. C. M. Thambuswamy.

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AUGUST.

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L., 30th AUGUST 1897.

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7. *Municipalities.*—Vaccination was compulsory in the City of Madras and in all the district municipalities in the presidency, except Tiruvannámalai and Chingleput, which were newly constituted municipalities during the year. Immediate action should be taken, if this has not already been done, to bring into operation in these towns 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 Ellore, Cocanada, Tinnevelly and Mangalore. The special attention of the councils concerned is drawn to the matter, and the Government trusts

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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	347,526	332,921	97·3
	1896-97	332,292	314,851	94·7
Vaccination with lymph preserved in glass tubes or plates.	1894-95	142,899	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	614,088	86·2
Vaccination with lymph preserved with lanoline.	1894-95	..	..	..
	1895-96	27,540	25,278	94·3
	1896-97	78,819	71,563	90·5
Total ..	1894-95	1,164,150	1,053,993	92·5
	1895-96	1,190,541	1,074,919	92·3
	1896-97	1,241,843	1,113,050	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,

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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.)

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.

Exd. C. M. Thumbuswamy.

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...L., 30th August 1897.

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Copy to the Government of India, Home Department.

G. S. FORBES,
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Exd. C. M. Thumbuswamy.

READ—the following paper :—

ORDER—No. 1657 M., dated 30 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 successful case :—

Vaccine agency.	Number of operations.				
	1892–93.	1893–94.	1894–95.	1895–96.	1896–97.
(a) Government vaccinators in hill tracts	15,142	15,805	18,960	20,537	21,359
(b) Local Fund vaccinators	967,991	992,390	1,009,994	1,011,802	1,068,430
(c) Municipal vaccinators	114,053	113,837	118,135	120,190	118,655
(d) Cantonment staffs	6,089	5,489	3,739	5,366	5,651
(e) Dispensary staffs	38,341	28,513	26,410	19,201	13,370
(f) Medical subordinates	15,142	16,439	15,870	14,732	12,743
(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 6	A. P. 3 6

Though the total number of operations performed during the year showed an increase of 49,549 or 4·1 per cent. over the figure for the previous year, the average cost of each successful case remained the same. This was due partly 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, and partly to an increase in the total cost of establishment. 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. The short work done in municipalities is attributed in paragraph 13 of the report to the arrears of cases having gradually diminished. The total number of re-vaccinations fell from 77,546 to 74,589, the decrease of 2,957 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 therefore be once more impressed upon local bodies, who should take steps to deal adequately with the matter.

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G.O.	No.	Department.	Date.

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Officers inspected 30,488 cases against 25,512 in 1895–96. ... decrease in the number of cases verified by the Inspector of Vaccination himself, but this was due to the fact that, during three of the best working months of the year, Dr. Bannerman was either ill or was 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 the special tours undertaken by him. 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 South Canara and Malabar. 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 reported to have been successfully vaccinated. The outturn of work in Tanjore, Srírangam, Cuddapah and Kumbakónam was far from satisfactory, being less than 60 per cent. The special attention of the municipal councils concerned will be drawn to this subject. As compared with the previous year, the largest increase in the proportion of infants protected was in Madura 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 Parlakimedi (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 depôt. It should have been explained what steps are taken to insure that an efficient vaccine is supplied from the depôts 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 Ganjám, Vizagapatam and Gódávari, 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 Ganjám and in the Gudem 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), Ganjám (11,382), Kistna (11,041), Gódávari (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 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 Tinnevelly and Malabar, this has occurred for the last three years in succession. The explanations of this which have been offered cannot be considered adequate, ... the earnest attention of the Presidents

Coimbatore	— 6,790
Trichinopoly	— 6,014
South Arcot	— 4,004
Anantapur	— 3,304
Tinnevelly	— 2,081
Madura	— 1,013
Malabar	— 139
Chingleput	— 38

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	1895-96	
	1896-97	
Vaccination with lymph preserved with lanoline.	1894-95	
	1895-96	
	1896-97	
Total ..	1894-95	
	1895-96	
	1896-97	

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Staff. The ... vaccination will therefore ... once more impressed ... local bodies who ... to ...

... izagapatam from ... sponding fall in Kurnool from 1,985 ... ugh the average work of the vacci... eable of further improvement. The ... fall—thirteen districts exhibiting a ... ious year and the total proportion of ... probably due to more accurate returns ... verifying officers. The percentage of ... opoly (98·6), Cuddapah (98·4), Madura ... alabar (81·9), Nellore (82·8), Gódávari ... the percentage of success verified by ... was only 79·8, there is reason to ... Vaccination staff are not open to suspi... case which was As. 3–3 in 1895–96 fell ... Nilgiris to As. 2–1 in ... Bellary, Cuddapah, Gódávari, Kurnool ... Anantapur, Bellary, Kurnool and Malabar was also higher ... ; and the district boards concerned should take early steps ... high cost in the current year. The work done in the different ... fully noticed in reviewing the administration reports of the ... With regard to paragraph 8 of the report, the Inspector will be ... , Revenue, dated . The question ... portions of a district will be considered in connection ... Local Boards Act.

... ties.—Vaccination was compulsory in the City of Madras and in all ... ties in the presidency except Tiruvannámalai and Chingleput, ... constituted municipalities during the year. The total number of ... operations by the municipal vaccinators fell from 120,190 to 118,655, the ... chiefly in Palghat (1,224), Masulipatam (921) and Negapatam (564). ... retrogression in 29 other towns. It is a matter for regret that this ... past three years in succession in Palghat, Vizagapatam and ... and for the past four years in Ellore, Cocanada, Tinnevelly and Manga... special attention of the councils concerned is drawn to the matter, and the ... trusts that there will be an improvement in the current year. There ... hand, an increase in 26 towns, which was most considerable in ... (1,400). The proportion of infants successfully vaccinated to the ... births of the year rose from 77·5 to 78·3 per cent. The average outturn of ... vaccinator was 1,069 against 1,559 in local fund areas, and ... cases in thirty towns as in the previous year. It was highest in ... (1,955) and Vizianagram (1,884). The average cost of each successful case ... As. 4–10 to As. 5 and compared unfavourably with that in local fund ... it was only As. 3–2. It varied from As. 11–9 in Tirupati to As. 1–10 ... and Madura, and exceeded As. 8 in Chidambaram, Ongole, Srívilli... ... Kumbakónam and Walajapet. The councils of these five towns should take ... to reduce the cost. From the table showing the working of the system ... in G.O., No. 1502 M., dated 19th October 1894, for the better supervision ... it appears that the number of children under one year ... according to the monthly returns was far in excess of the ... successfully vaccinated out of the total births available for vacci... difference was large in Madura (2,282), Calicut (1,737) and Trichinopoly ... as the difference cannot be wholly attributed to loss of infants born ... and brought into the town in the first year of life, the Government ... that the explanation for this should be sought for in defective registration ... a subject which demands the special attention of the councils concerned. ... number of operations performed in the city of Madras was practically the

BACK

G.O.	No.	Department.	Date.

L., 30th AUGUST 1897 ... the margin

district of Ganjam ... A paragraph 25 of the report, it appears that a steady and real advance has been made in the proportion ... population ... year, ...

number of operations with animal
tal number of operations performed,
previous year. The following state-
ion, vaccination with animal lymph
e, and lanoline paste, compared with

ber ated.	Number of successful cases.	Percentage of success.
378,955	363,448	97·4
347,526	332,921	97·3
332,292	314,851	94·7
142,899	132,536	94·1
101,944	94,915	94·7
121,589	112,548	92·4
642,296	558,009	89·2
713,531	621,805	89·4
709,143	614,088	86·2
..	..	..
27,540	25,278	94·3
78,819	71,563	90·5
1,164,150	1,053,993	92·5
1,190,541	1,074,919	92·3
1,241,843	1,113,050	89·4

be highest in the case of calf-to-arm
with lymph preserved with glycerine,
of cases, continued to be lowest, being
e. Human lymph was used in only 2
Ganjám hill tracts.

er of deaths from small-pox w
y of the cases having occu
rred to in paragraph 25 of
the proportion of the t
10,000 of the populatio
e Nilgiris, Chingleput
mber continued to b
ed persons per 10,0
liputtúr. The rat
nversely with the
tal population
ation of vital
agraph 24 of t

eived from
accinatio

21

staff. The ... vaccination will therefore take once more impressed ... local bodies who should ... to take steps to deal adequately with the matter ...

... Govt. has to repeat the remarks which have been made in para. 6 above as to the action respecting these operations in local fund areas

BACK

G.O.	No.	Department.	Date.

L., 30th August 1897. ...n the margin...

...district of Ganjam... ...paragraph 25 of the report, it appears that a steady and real advance has been made in the ...

Secretary to Government.

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17/9/97

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ia, Home Department. 31 endsp 11/9/97

Secretary to Government.

8/9/97

21

Road Cess

staff. The ... vaccination will therefore take once more impressed ... local bodies who should ... to take steps to deal adequately with the matter ...

To the Sanitary Commissioner.
„ the Surgeon-General.
„ the Sanitary Board.
„ the Sanitary Engineer.
„ the Public Department.
„ the Judicial Department.
„ the Revenue Department.
„ the Deputy Adjutant-General, Madras Comn
„ 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. ...M., dated 30 Augus

Copy to the Government of

BACK

G.O.	No.	Department.	Date.

...L., 30th August 1897 ... in the margin

district of Ganjam ... paragraph 25 of the report, it appears that a steady and real advance has been made in the proportion of the ...

H.M.
8/9/97

27

Proof soon

Herewith submitted
13/8/97

staff. The importance of vaccination will therefore also once more impressed upon the Boards of Revenue local bodies who should ~~are request~~ ~~to~~ take steps to deal adequately with the matter ~~such of the~~ the ~~vaccinators as do not show~~ wards the ~~sufficient number of~~ re-spector ~~of tions~~.

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 successful case:—

Vaccine agency.	Number of operations				
	1892-93	1893-94	1894-95	1895-96	1896-97
(a) Govt. vaccinators in hill tracts	15,142	15,805	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	114,953	113,837	118,735	120,190	118,652
(d) Cantonment staffs	6,089	8,489	3,739	5,366	5,657
(e) Dispensary staffs.	38,341	28,573	26,410	19,201	13,07[illegible]
(f) Medical subordinates.	15,742	16,489	15,870	14,732	12,748
(g) Zamindari vaccinators.	6,883	6,389	5,814	6,343	7,516
Total	1,164,541	1,178,832	1,198,922	1,198,171	1,247,7[illegible]
	A. P.	A. P.	A. P.	A. P.	A. P.
Average Cost	3-5	3-5	3-5	3-6	3-6

BACK

G.O.	No.	Department.	Date.

district of Ganjam ... appears that a steady and real advance

... in the margin ... 25 of the report

. This ... night

success wh. in the opinion of Surgeon Major Bannerman was a consequence

~~owing~~ probably of the greater accuracy of the figures, and partly to an increase in the total cost of establishment. There was an improvement in the amount of work done by all the agencies, except the Municipal Vaccinators, dispensary staffs, and Medical subordinates. In ~~the~~ respect ~~case~~ of the last two ~~latter the decline is no doubt due to the fact that~~ Vaccination was ~~been~~ rendered optional ~~on the part of Medical Officers~~ by G.O. No 1066 d/9th May/92; but although this is the case it was not intended that these med. officers shd. not take every suitable opportunity wh. presented itself in their practice of performing the operation. The great decline in the no. of vaccns. performed by them is not satisfactory. the short work done in municipalities ~~has~~ not ~~been explained. It~~ is attributed in para 13 of the report to the arrears of cases having gradually diminished. The total number of revaccinations fell from 77,846 to 74,889 ~~and~~ the decrease 2957 in the number of ~~revaccinations~~ being ~~as explained by~~ the Inspector of Vaccination ~~largely~~ ~~mainly~~ the result of the inefficiency and want of influence of the Vaccination

21

staff. The importance of ... vaccination will therefore again be once more impressed upon Inspr. of Gen. Revenue & local bodies who should ~~are requested~~ ~~to~~ take steps to deal adequately with the matter ~~such of the vaccinators as do not show a sufficient number of revaccinations~~.

3. Verification by Deputy Inspectors. The number of cases reported to have been verified by the Dy. Inspectors rose from 594,423 to 617,632. ~~and Nine~~ Of these officers nine against twelve in the previous year, failed to verify 50 per cent. of the cases ~~operated on~~ in their ranges, and it is stated that explanations have been called for from them ~~officers concerned~~. The Dy. Inspectors of Vizianagram, Ellore, Paramagudi, Dindigul and Salem appear to have done particularly good work ~~as they are reported to have inspected 35,424, 22218, 18552, 18025 and 17545 cases respectively~~. The District Medical and Sanitary Officers inspected 30,468 cases against 28,572 in 1895-96 ~~but~~ There was a marked decrease in the numbers of cases verified by the Inspector of Vaccination ~~fell~~

1732497

... table.

[torn] ~~bounty~~

but they [torn]
[th]e fact that during [torn]
[o]f the best working months [of the]
year Dr. Bannerman was either ill or was employed on other more pressing duties. The report should have contained some information as to the special character of the irregularities, ~~if any~~, noticed by the Inspector in the course of the special tours undertaken by him ~~in view to a close examination of the vaccine operations~~.

Para 3 of the report.

The scheme for the employment of two Assistant Inspectors of Vaccination referred to in para. 3 of the report must lie over until ~~the~~ orders have been passed on the ~~subject~~ proposals for ~~of~~ the reorganization of the Vaccination department now before Govt; & the suggestion made by the Inspector in para. 4 ~~of the report~~ 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 ~~reported to have been performed~~ during the year was 34.8 per mille of the population against 33.5 in the previous year, and the number of Children

23

cess[torn] the

children under one ye[ar] [torn] satisf[actorily]
fully vaccinated was 3[torn] against 311,912, being [illegible] per cent of the registered number of births ~~of the year~~ against 32.1 in 1895-96. Infantile vaccination was ~~again~~ still very unsatisfactory in the district of South Canara and Malabar. As compared with the previous year, there was an increase of 19.1 per cent in the Nilgiris, for which no reason has been assigned; but as the increase just slightly exceeds the decrease noticed in this district in 1895-96, it may be concluded that the Vaccinators were particularly slack in their work in that year. The best results appear ~~are reported~~ 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 ~~where vaccination is carried on in an efficient & systematic manner~~ only 69 per cent of the children born during the year are reported to have been

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G.O.

ly vaccinated. The
of work in Tanjore, Sri-
m, Cuddapah and Kurn-
ool was far from satis-
factory, being less than 60 per
cent. The special attention of
the Municipal councils con-
cerned will be drawn to this
subject. As compared with the
previous year, the largest increase was
of 21·2 per cent in Pudukottai
di and a rise of 2 per cent
in Madura. The decrease is
reported to be due to the in-
sufficiency and bad quality
of the vaccine paste supplied from the
Chicacole depot, while the
increase is ascribed to the
vaccination of a large number
of infants belonging to strangers.

5. Agency tracts. The work
reported to have been done by the
four vaccinators in the agency
tracts of Ganjam, Vizagapatam
and Godavari, 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

in the prevention of infantile mortality

in Madura, where the rise was 21·4
per cent, ascribed to the vaccinated
age no. of infants belonging
to strangers. The most serious
fall was recorded at Pudu-
-kottai (21·2 per cent) &
Chicacole (18·7 per cent); & this
is attributed

It shd have been explained what
steps are taken to ensure that
an efficient vaccine is supplied
from the depots & to check at
early stage
the issue of a bad quality.

to 1,174, which is unsatisfac-
tory but there was a striking
decrease in Ganjam and
Godavari 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 out turn of
work done by each vacci-
nator rose from 1,517 to 1,589.
Taking the districts individually,
in thirteen districts
there was an increase, in thirteen
districts which was considera-
ble in the districts of Viza-
patam (22,840) Ganjam (11,387)
Kistna (11,041), Godavari (8827)
and Nellore (8767). It is
noteworthy that Vizagapatam
had showed the largest falling
off in 1895-96, and that there
was a large decrease 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 pre-
vious year also while in Tinne-
velly & Malabar, there the

Coimbatore	6,790
Trichinopoly	5,014
South Arcot	4,004
Anantapur	3,304
Tinnevelly	2,081
Madura	1,013
Malabar	139
Chingleput	318

decrease occurred

table.

(564). The aggregate

uccession. The ex-

G.O. ~~offered for the~~ of thus wh have

ed

~~work in these cases~~

t be considered adequate, and the earnest attention of the Presidents of ~~the~~ district Boards concerned is drawn to the subject. The average out turn ~~of work for~~ of each vaccinator was highest in Vizagapatam (2584); Trichinopoly followed next with 2,013 cases, and the average was more than 1,500 cases ~~per vaccinator~~ in Chingleput, Coimbatore, Madura, Salem, South Canara, Tanjore and Tinnevelly. Compared with the previous year, there was a large advance in Vizagapatam from 1,930 to 2584 which is noted with satisfaction, and a corresponding fall in Kurnool, from 1985 to 1,359 which has not been explained. Though the average work of the Vaccinators has advanced of late years it is ~~still~~ capable of further improvement ~~below the standard attained in the other Presidencies~~

and

by each vaccinator in the

Jeypore

Vide para 7 of the report.

Vizagapatam – 2584
Trichinopoly – 2013
South Arcot – 1909
Coimbatore – 3800
Tinnevelly – 1981
Nellore
Malabar
Note

The average for each vaccinator in the Punjab in 1895-96 was 3077 and in Hyderabad Assigned districts in 1896-97 2729 against 1559 in Madras.

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The 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 success was ~~very~~ high in the Nilgiris (99.3), Trichinopoly (98.6), Cuddapah (98.4), Madura (98.4), and South Arcot (98.3), and low in Malabar (81.9), Nellore (82.8), Godavari (83.2), Tanjore (83.6) & Ganjam (84.7). ~~If, however, the fact that the~~ As the percentage of success, ~~as~~ verified by the Inspector of Vaccination during his special tours, was only 79.8 ~~is borne in mind~~ there is reason to ~~believe that~~ doubt whether the figures reported by the Vaccination Staff ~~are~~ are not open to ~~can hardly~~ ~~be~~ suspicion ~~be correct~~. The average cost of each successful case

which

X was once higher than ... (faint)

Vide Statt No V.

1732497

Table.

palam (921) and Jeypore (564). The decrease [illegible]

...ccession. The ex-
~~affeared~~ of this wh have
~~to~~ varied from as.
in the Nilgiris to as. 2-1
in Salem, and was more than
Rs. 4 in Anantapur, Bellary
Cuddapah, Godavari, Kur-
nool and Malabar, ~~in all
of which, except the last
two, this point was noticed
in the review of the report
for 1895 ...~~ The cost in
Anantapur, ~~and~~ Bellary ~~he
nevertheless increased instead
of declining as this was also the
case in~~ Kurnool and Malabar [was also higher than in the previous year.]
The district Boards concerned
~~are requested to~~ [should take early steps] ~~endeavour~~
towards ~~to~~ reducing the high cost in
the current year. The work
done in the different dis-
tricts will be more fully
noticed in reviewing the
administration reports of
the district Boards. ~~The
attention of the Revenue
Department is drawn to~~
With regard to ~~the first portion~~ of para. 8 of
the ~~Inspector's~~ report, the Inspector will be referred to G.O.
which he states that no
orders have yet been issued
on the suggestion made by
him

?

Rev

Jeypore

31

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successfully vaccinated in the

him in the previous year's
report that heads of villages
should be directed to main-
tain a separate list of child-
ren who were not protected
from small pox. The question ~~necessary
provision for the introduc-
tion~~ of compulsory vacci-
nation in portions of a dis-
trict will be ~~dealt with~~ considered in connection with ~~has been made in~~
the draft bill to amend
the Local Boards Act.

7. Municipalities. Vacci-
nation was compulsory in
the city of Madras and in
all the district Munici-
palities in the Presidency
except in Tiruvannamalai
and Chingleput, which were
newly constituted Municipalities
~~only~~ during the year ~~under
review~~. The total number
of operations reported ~~to
have been performed~~ by
the Municipal Vaccinators
fell from 120,190 to 118,655,
the decline occurring chiefly
in Palghat (1224) Masuli-
patam (921) and Negapatam
(564). The decrease in Palghat

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succession. The ex-
of those wh have

three years in succession is due partly to the services of the Municipal Vaccinatrix having been dispensed with and partly to the number of unprotected children in the town having been considerably reduced; while that in Negapatam is attributed to the failure of animal lymph. No explanation has been offered ~~as regards~~ in the case of Masulipatam.

There was also a retrogression in 29 other towns. ~~and~~ It is a matter for regret that this ~~has~~ has occurred for the past three years in succession in Palghat, Vizagapatam and Tellicherry, and for the past four years in Ellore, Cocanada, Tinnevelly and Mangalore. The special attention of the Councils concerned is drawn to the matter, and the Govt. 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

30

Note
This information was not given in the Report, but was obtained from the Sanitary Commr's office.

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successfully vaccinated...
registered births of the year rose from 77.5 to 78.3 per cent and the work done in this direction in Municipalities was far in excess of that performed in local fund areas where the percentage was, owing no doubt to vaccination not being compulsory, only 29.6. The average out-turn of work by each vaccinator was only 1,069 against 1,339 in local fund areas, and exceeded 1,000 cases in thirty towns as in the previous year. It was highest in Madura (1,955) & Vizianagram (1,834), Bezwada (1,569), Kurnool (1,423) & Trichinopoly (1,512) and low in Anantapur (495) and Tiruppattur (422). The councils of the two municipalities last named should pay greater attention to this subject. The average cost of each successful case rose from as. 4-10 to as 5-4, and compared unfavourably with that in local fund areas where it was only as. 3-2. It varied from as. 11-9 in

...ome

and Madura, and exceeded as. 8 in Chidambaram, Ongole, Srivilliputtur, Kumbakonam and Walajapet. The councils ~~concerned~~ of these five towns and of Tirupati should take early steps to reduce the cost ~~in the current year~~. From the table showing the working of the system laid down in G.O. No. 1502 M.d. 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 available for vaccination. The difference was ~~particularly~~ large in Madura (2,282), Calicut (1,737) and Trichinopoly (1,042) ~~and~~ as the difference cannot ~~possibly~~ be wholly attributed to cases of infants born elsewhere and brought into the town in the first year of life, the Govt. considers that the explanation for this should be sought for

D

of births, a subject which demands the special attention of the councils concerned. The total number of operations performed in the city of Madras was practically the same as in ~~27,921 against 27,924 in~~ 1895-96 ~~and 24,725~~ in 1894-95. ~~Of the total number 19,193 were primary and 7828 revaccinations the corresponding figures for the previous year being 18,877 and 8,147~~ ~~and~~ 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. 6-4. Infantile vaccination was almost stationary, 69 per cent of the children born during the year ~~having~~ being successfully vaccinated ~~against 68.9 in 1895-96 and 77.9 in 1894-95~~. There is ~~thus~~ scope for much improvement, and the attention of the Municipal Commrs is drawn to this matter. The work done in the several Municipalities will

as

table

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noticed in the reports of their administration reports.

8. Vaccination with animal lymph. The total number of operations performed with animal lymph was 1,24,843 or only 226 less than the total number of operations performed against 1,90,541 and 2264 respectively in the previous year. The following statement shows the results of calf to arm Vaccinations, Vaccination with animal lymph preserved in glass tubes or plates, Glycerine paste and Lanoline paste, Compared with those of the previous two years:-

		No. Vaccinated	No. of Successful cases	Percentage of Success.
Calf to arm Vaccination	1894-95	378,958	363,448	97.4
	1895-96	347,526	332,921	97.3
	1896-97	332,292	314,851	94.7
Vaccination with lymph preserved in glass tubes or plates	1894-95	142,899	132,536	94.1
	1895-96	101,944	94,918	94.7
	1896-97	121,589	112,548	92.4
Vaccination with lymph preserved with glycerine	1894-95	64,296	58,809	89.2
	1895-96	713,531	621,805	89.4
	1896-97	709,143	614,088	86.2
Vaccination with lymph preserved with lanoline	1894-95	-	-	-
	1895-96	27540	25278	-
	1896-97	78819	71563	-
Total	1894-95	1164150	1053993	
	1895-96	1190,541	1074,91	
	1896-97	1241,843	1113	

success con-

...ne... be the highest in the case of calf to arm vaccination while the percentage of success obtained with lymph preserved with glycerine, which was used in more than half the number of cases continued to be the lowest, being 86.2 against 90.5 with lanoline paste. Human lymph was used in only 226 cases by the Govt. Vaccinators in the Ganjam hilly tracts. This should be avoided in the current year.

9. Mortality from small pox.

The number of deaths from small pox was 12,718 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 para. 28 of the report, it appears that steady advance has been made in the propation of the total population protected. Approximately less than 2000 persons of every 10,000 persons protected from small pox in the district of Vizagapatam, more than 3000 in the district of Tinnevelly, the highest, chic, put, Salem and South Canar districts; while least in Ganjam and Malaba

where vaccin the progress of vaccination

... success in cud ... ex ...
1900. As reg the ... of
the number of persons protected by inoculation
~~from small-pox out of every~~ per ~~mille~~
10,000 of the population varied
from 8400 in Coonoor to ~~4~~ 2700
in Kumbakonam ~~Saidapet~~. The progress
made by vaccination thus
varied very considerably in
the different districts and
Municipalities, and the special
attention of the officers
of the Vaccination department
should be directed to those
localities which are still
very low in the scale. The
rates of mortality shown in
the diagrams do not, in all
cases, vary inversely with
the proportion which the
number of persons vacci-
nated bears to the total
population, but this is attri-
butable, among other causes,
to the defective registration of
vital statistics. The sugges-
tion made by the Inspector
of Vaccination in para. 24
of the report will be con-
sidered in the Revenue
Department.

... (24). The probation ... postpone

Omitting the three recently constituted ~~Municipalities~~ Muns of Chingleput, Srivilliputtur & Tiruvannamalai

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10. General Remarks. The reports received from the Sanitary Commissioner on the subject of the reorganization of the Vaccination department and referred to in para. 1 of G.O. No. 1346 L. of 27th July 1896 are ~~still~~ under the consideration of Govt.

Dr. King's testimony to the good work done by Surgeon Major Bannerman is noted with satisfaction.

V. R.
31/7/97

R.
7/8

To
The Sany. Commissioner.
" Surgeon General.
" Sany. Board.
" Sany. Engineer.
" Public Deptt.
" Judicial Deptt.
" Revenue Deptt.
" Dy. Adjutant Genl. Madras Command.
All Collectors.
" Presidents, Dt. Bds.
" Chairmen of M. Cs.
" President. M. Commn., Madras.
" Director of Pub. Instn.
" ... Genl.
... table.

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Endorsement.

Copy to the Govt. of India, Home Deptt.

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Vaccination Record

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Vaccination
Report for 1896-97

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., C.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. 854-V, dated 7th June 1897, in which I proposed, having regard to the fact that Government, as stated in G.O., No. 435, 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, Máyavaram, Mannárgudi, Palghat, Calicut, Cochin, Chicacole, Parlákimedi, 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 Guntúr. 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 Kumbakónam 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 Muncipality.

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 Ganjám 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), Gódávari (189), Madura (177), Nellore (36), and Kistna (8). The largest defaulters are Tinnevelly (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), Ganjám (11,382), Kistna (11,041), Gódávari (8,827), and Nellore (8,767). All these, except Ganjám, 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), Tinnevelly (2,081), Madura (1,013), Malabar (139), and Chingleput (38). South Arcot showed a decrease last year also, while Tinnevelly 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.

Tinnevelly.—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 except 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.	1895-96.	1896-97.
Local Fund vaccinators ...	879,660	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	89·6	85·8	86·4	71·3	89·6	86·1
Zamindari do. ...	5,055	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	94·8	94·6
Cantonment do. ...	3,827	775	3,628	762	96·5	61·5	88·8	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	74·6
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:—

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	486,639	143,333	1,011,802	264,464	511,464	151,444	1,068,430
Government	1,867	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	2,985	19,201	1,864	5,189	3,214	13,370
Medical subordinates ...	44	226	1,944	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
				Ootacamund	507	575	113·4
Coimbatore	54,498	33,074	60·7	Coonoor	258	292	113·2
				Salem	2,737	2,714	99·2
Chingleput	45,698	22,760	49·8	Bellary	1,874	1,845	98·5
				Tirupati	438	413	94·3
Bellary	28,080	13,345	47·5	Calicut	2,459	2,297	93·4
				Palni	449	417	92·9
Vizagapatam ...	47,467	16,469	34·8	Negapatam	1,891	1,752	92·6
				Dindigul	810	749	92·5
Salem	58,474	20,307	34·7	Vizianagram ...	949	866	91·3
				Adóni	1,132	1,028	90·8
South Arcot	69,409	21,977	31·7	Trichinopoly ...	2,733	2,481	90·8
				Nellore	947	843	89·0
Cuddapah	37,644	11,173	29·7	Tellicherry	952	846	88·9
				Bimlipatam	377	334	88·6
Tinnevelly	53,770	15,585	29·0	Bezwada	635	548	86·3
				Anakápalle	550	470	85·5
North Arcot	56,812	15,488	27·3	Ellore	627	535	85·3
				Kurnool	792	675	85·2
Kistna	59,264	15,934	26·9	Masulipatam	1,182	1,002	84·8
				Periyakulam	732	621	84·8
Nilgiris	1,836	507	26·7	Chidambaram ...	524	441	84·2
				Tiruppattúr	736	618	84·0
Kurnool	25,150	6,406	25·5	Vániyambádi	889	739	83·1
				Erode	475	391	82·3
Anantapur	21,329	5,025	23·6	Karúr	416	342	82·2
				Tinnevelly	823	674	81·9
Trichinopoly	35,174	7,198	20·5	Coimbatore	1,861	1,505	80·9
				Vellore	1,522	1,167	76·6
Nellore	36,927	6,187	16·8	Cannanore	1,117	834	74·7
				Ongole	385	287	74·5
Tanjore	60,080	8,516	14·2	Mangalore	1,264	909	71·9
				Guntúr	943	678	71·9
Gódávari	50,200	6,778	13·5	Conjeeveram	1,678	1,207	71·9
				Anantapur	288	204	70·8
Ganjám	30,395	3,365	11·1	Tuticorin	818	576	70·4
				Palghat	1,621	1,119	69·0
South Canara ...	32,467	3,212	9·9	Madras	18,620	12,929	69·0
				Walajapet	372	256	68·8
Malabar	52,272	739	1·4	Cochin	671	459	68·4
				Vizagapatam	1,262	849	67·3
				Rajahmundry ...	989	646	65·3
				Chicacole	397	258	65·0
				Cocanada	1,098	708	64·5
				Parlákimedi	591	380	64·3
				Cuddalore	2,108	1,346	63·9
				Mannárgudi	781	495	63·4
				Palamcottah	637	403	63·2
				Máyavaram	894	564	63·0
				Gudiyáttam	841	515	61·2
				Berhampur	512	309	60·4
				Srívilliputtúr	940	568	60·4
				Tanjore	1,711	962	56·2
				Srírangam	737	407	55·2
				Cuddapah	417	226	54·1
				Kumbakónam ...	1,926	882	45·8
				Tiruvannámalai ...	...	52	...
				Chingleput	...	65	...
Total ...	900,634	266,386	29·6	Total ...	76,620	60,131	78·3

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: Srívilliputtúr (42 per cent.), Madura (21 per cent.), Ellore (19·6 per cent.), and Adóni (16·2 per cent.). The figures given for Srívilliputtúr 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 Adóni 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. Parlákimedi (21·2 per cent.), Chicacole (18·7 per cent.), Ootacamund (18·3 per cent.), Máyavaram (17·6 per cent.), Cocanada (16·4 per cent.) and Walajapet (15·5 per cent.). In the case of Parlákimedi 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 Tiruvannámalai 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.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Government establishment	8,864 6 6	*7,288 7 5	0 7 11	0 6 8
Local Fund do.	1,86,339 4 5	1,92,065 14 9	0 3 3	0 3 2
Municipal do.	33,550 15 3	34,616 7 1	0 4 10	0 5 0
Zamindary do.	1,228 10 8	972 14 4	0 3 11	0 3 2
Cantonment do.	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, Gunupur, 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), *** Ellore (201), ** Vizagapatam (183), Anakápalle (173), * Bezwada (145), * Calicut (140), Parlákimedi (116), *** Cocanada (113), *** Tinnevelly (104), * Máyavaram (95), Tanjore (87), Ootacamund (78), Nellore (68), Srírangam (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 Tiruvannámalai 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 (2,282), 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.
(1)	(2)	(3)	4	(5)	(6)	(7)	(8)
Ádóni	1,326	198	120	887	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
Bezwada	635	117	114	404	518	...	...
Bimilipatam	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	Compulsory vaccination not in force.						
Cochin	743	159	133	338	459	44	19
Cocanada	1,178	252	167	517	708	39	144
Coimbatore	1,800	293	83	524	1,505	730	107
Conjeeveram	1,841	425	156	1,110	1,207	60	52
Coonoor	255	40	21	193	292	...	...
Cuddalore	Information not received.						
Cuddapah	434	68	70	197	226	54	24
Dindigul	848	155	176	450	749	67	90
Ellore	634	117	180	269	535	39	7
Erode	483	81	68	295	391	15	24
Gudiyáttam	839	141	174	284	515	132	48
Guntúr	941	247	137	486	678	71	36
Karúr	429	88	59	264	342	18	...
Kumbakónum	1,907	353	609	726	882	219	210
Kurnool	822	170	177	439	675	21	15
Madura	2,787	592	463	1,576	3,858	82	65

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.
Mannárgudi	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
Máyaveram	937	202	214	427	564	41	...
Negapatam	1,911	438	577	791	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	348	306	906	1,119	12	46
Parlákimedi	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	36
Srírangam	740	136	235	301	407	30	38
Srívilliputtár	939	169	91	424	568	84	23
Tanjore	1,879	502	451	771	962	14	101
Tellicherry	4,104	172	100	756	846	66	15
Tinnevelly	853	202	80	468	674	105	81
Trichinopoly	2,644	417	548	1,439	2,481	78	140
Tiruppattúr	740	136	152	880	618	20	2
Tirupati	488	74	59	334	413	21	...
Tiruvannámalai	Compulsory vaccination not in force.						
Tuticorin	832	198	127	381	576	122	107
Vániyambádi	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

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 Gunupur, 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:—

Circles.	Number of Inspecting officers.		Number of villages visited.		Total number of persons vaccinated.	Number of days spent on inspection duty.	Number of cases verified.		Total number of cases inspected by deputy inspectors of all sorts.	Total number of successful cases inspected by deputy inspectors.	Percentage of successful cases to total number inspected as reported by deputy inspectors.	Proportion per cent. of inspection to total number vaccinated.	
	First-class deputy inspectors.	Second-class deputy inspectors.	First-class deputy inspectors.	Second-class deputy inspectors.			First-class deputy inspectors.	Second-class deputy inspectors.				First-class deputy inspectors.	Second-class deputy inspectors.
Anantapur ...	1	...	432	...	10,008	252	7,357	...	7,357	5,632	76·6	73·5	...
Penukonda ...	...	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	...
Harpanahalle ...	...	1	...	460	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	52·9	...
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	...
Cuddapah ...	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	...
Siddhavattam ...	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	...
Ganjám 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	...
Pithápuram ...	...	1	...	279	19,216	269	...	12,486	12,486	9,982	79·9	...	65·0
Rajahmundry ...	1	...	477	...	11,632	246	8,227	...	8,227	6,232	75·7	70·7	...
Guntúr ...	1	...	404	...	25,164	245	13,976	...	13,976	11,492	82·2	55·5	...
Masulipatam ...	1	...	259	...	29,730	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	...	66·9
Kurnool ...	1	...	488	...	15,666	246	11,570	...	11,570	9,504	82·1	73·8	...
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	15,664	15,128	96·6	58·0	
Dindigul ...	1	...	749	...	30,758	287	18,025	...	18,025	17,166	95·2	58·6	...
Madura ...	...	1	...			261	...	11,173	11,173	10,759	96·3	...	54·8
Paramagudi ...	1	...	868			253	18,552	...	18,552	18,068	95·8	54·4	...
Tellicherry ...	...	1				225	...	7,611	7,611	6,228	81·8	...	52·3
Calicut ...	1	...				169	4,954	...	4,954	3,812	76·9	25·9	...
Palghat ...	...	1				218	...	9,454	9,454	7,483	79·2	...	55·2
Nellore ...	1					268	7,675	...	7,675	6,767	88·2	50·8	...
Ongole ...	...					240	...	8,547	8,547	6,318	73·9	...	65·0
Kávali ...	...					243	...	7,191	7,191	5,539	77·0	...	66·1

* Assistant deputy inspectors.

Circles.	Number of Inspecting officers.		Number of villages visited.		Total number of persons vaccinated.	Number of days spent on inspection duty.	Number of cases verified.		Total number of cases inspected by deputy inspectors of all sorts.	Total number of successful cases inspected by deputy inspectors.	Percentage of successful cases to total number inspected as reported by deputy inspectors.	Proportion per cent. of inspection to total number vaccinated.	
	First-class deputy inspectors.	Second-class deputy inspectors.	First-class deputy inspectors.	Second-class deputy inspectors.			First-class deputy inspectors.	Second-class deputy inspectors.				First-class deputy inspectors.	Second-class deputy inspectors.
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	13,698	78·1	58·1	...
Krishnagiri ...	...	1	...	938	18,702	209	...	11,919	11,919	10,865	91·2	...	63·7
Námakkal ...	...	1	...	410	30,934	301	...	16,574	16,574	13,066	78·8	...	53·6
Cuddalore ...	1	...	656	...	32,852	274	13,628	...	13,628	13,311	97·7	41·5	...
Vriddhachalam.	...	1	...	557	18,013	245	...	12,294	12,294	11,696	95·1	...	68·2
Tiruvannámalai.	...	1	...	431	10,324	156	...	6,935	6,935	6,514	93·9	...	67·2
No. I, South Canara ...	1	...	267	...	22,290	196	8,499	...	8,499	8,099	95·2	38·1	...
No. II, South Canara ...	...	1	...	285	15,983	239	...	9,407	9,407	8,712	92·5	...	58·9
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	55·1	...
Tinnevelly ...	1	...	433	...	27,824	210	12,592	...	12,592	11,764	93·4	45·3	...
Sáttúr ...	...	1	...	382	21,194	208	...	11,615	11,615	11,002	94·7	...	54·8
Sérmádévi ...	...	1	...	483	22,069	236	...	12,697	12,697	12,019	94·7	...	57·5
Trichinopoly ...	1	...	407	...	36,235	198	11,454	...	11,454	11,274	98·4	31·6	...
Vizagapatam ...	...	1	...	334	26,643	215	...	15,652	15,652	15,058	96·2	...	58·7
Vizianagram ...	1	...	526	...	56,666	119	35,424	...	35,424	33,995	95·8	62·5	...
Gunupur ...	...	1	Information not received.										
Jeypore ...	1	...	320	...	10,385	138	5,361	...	5,361	4,593	85·7	51·6	...
Total ...	34	24	16,986	8,586	1,115,824	13,941	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.), Tinnevelly (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; gylcerine 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:—

Operations with fresh lymph "Calf-to-arm."

Districts.	Length of time animal vaccination was carried on.			Number of calves inoculated.	Primary vaccination.					Re-vaccination.					Total.				
	Years.	Months.	Days.		Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.
Anantapur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bellary ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chingleput ...	1	...	...	413	1,346	1,217	81	48	93·8	150	113	23	14	83·1	1,496	1,330	104	62	92·7
Coimbatore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah ...	1	...	...	685	23,327	22,816	411	100	98·2	375	285	67	23	81·0	23,702	23,101	478	123	97·9
Ganjám ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gódávari ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kistna ...	1	...	...	103	33	33	...	...	100·0	...	...	...	...	...	33	33	...	...	100·0
Kurnool ...	1	...	...	605	18,625	16,230	1,699	696	90·5	966	662	178	126	78·8	19,591	16,892	1,877	822	90·0
Madras ...	1	...	...	638	18,860	18,456	153	251	99·2	7,828	6,024	891	913	87·1	26,688	24,480	1,044	1,164	95·9
Madura ...	1	...	...	842	47,143	46,105	576	462	98·8	1,648	1,436	150	62	90·5	48,791	47,541	726	524	98·5
Malabar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nellore ...	...	2	15	26	473	449	5	19	98·9	4	...	2	2	...	477	449	7	21	98·5
Nilgiris ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot ...	1	...	...	606	18,104	17,764	297	43	98·4	1,551	1,401	142	8	84·3	19,655	19,165	439	51	97·8
Salem	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot ...	1	...	...	1,123	60,712	58,822	954	936	98·4	433	363	38	32	90·5	61,145	59,185	992	968	98·3
South Canara ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tanjore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevelly ...	1	...	...	893	46,884	44,862	1,394	628	97·0	2,528	2,106	292	130	87·8	49,412	46,968	1,686	758	96·5
Trichinopoly ...	1	...	...	643	34,555	33,514	414	627	98·8	1,680	1,503	88	89	94·5	36,235	35,017	502	716	98·6
Vizagapatam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...				6,577	270,062	260,268	5,984	3,810	97·8	17,163	13,893	1,871	1,399	88·1	287,225	274,161	7,855	5,209	97·2

... sent out in tubes or plates.

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.
Anantapur	366	142	220	4	39·2	...	...	...	...	...	366	142	220	4	39·2
Bellary	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chingleput	18,888	17,016	1,193	679	93·4	1,186	667	387	132	63·3	20,074	17,683	1,580	811	91·8
Coimbatore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	15,509	15,314	121	74	99·2	499	451	29	19	94·0	16,008	15,765	150	93	99·0
Ganjám	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gódávari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kistna	445	428	17	...	96·2	43	42	1	...	97·7	488	470	18	...	96·3
Kurnool	9,922	8,127	1,397	398	85·3	388	285	56	47	83·6	10,310	8,412	1,453	445	85·3
Madras	333	333	...	...	100·0	...	...	...	...	...	333	333	...	...	100·0
Madura	36,204	35,403	509	292	98·6	801	641	125	35	83·7	37,005	36,044	634	327	98·3
Malabar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nellore	846	570	247	29	69·9	2	...	2	...	...	848	570	249	29	69·6
Nilgiris	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot	22,368	21,492	796	80	96·4	466	408	52	6	88·7	22,834	21,900	848	86	96·3
Salem	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot	44	41	2	1	95·3	...	...	...	...	...	44	41	2	1	95·3
South Canara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tanjore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vizagapatam	10,304	8,877	1,139	288	88·6	81	34	27	20	55·7	10,385	8,911	1,166	308	88·4
Total ...	115,229	107,743	5,641	1,845	95·0	3,466	2,528	679	259	78·8	118,695	110,271	6,320	2,104	94·6

Operations with Glycerine 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	26,347	2,176	1,313	92·4	362	289	43	30	87·0	30,198	26,636	2,219	1,343	92·3
South Canara ...	37,200	34,700	1,568	932	95·7	1,073	765	192	116	79·9	38,273	35,465	1,760	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.		
						RS. A. P.	RS. A. P.
Anantapur ...	17,838	15,784	1,836	218	89·6	5,609 11 9	0 5 0
Bellary	30,198	26,636	2,219	1,343	92·3	8,920 14 2	0 5 4
Chingleput	49,771	44,170	3,834	1,767	92·0	6,180 13 0	0 2 3
Coimbatore	71,451	63,341	6,315	1,795	90·9	5,905 10 9	0 1 6
Cuddapah	39,710	38,866	628	216	98·4	7,400 2 11	0 3 1
Ganjám	50,346	42,650	7,058	638	85·8	*7,035 12 7	0 3 3
Gódávari	63,392	50,653	10,898	1,841	82·3	12,048 3 10	0 3 10
Kistna	68,677	63,320	4,329	1,028	93·6	10,437 5 6	0 8 0
Kurnool	29,901	25,304	3,330	1,267	88·4	5,059 9 11	0 3 2
Madras	27,021	24,813	1,044	1,164	96·0	11,789 6 11	0 6 0
Madura	85,796	83,585	1,360	851	98·4	7,312 11 5	0 1 5
Malabar	50,806	38,242	8,424	4,140	81·9	7,268 2 5	0 3 0
Nellore	39,134	30,963	6,448	1,723	82·8	*3,980 9 4	0 3 6
Nilgiris	4,339	4,256	27	56	99·4	1,593 10 10	0 6 0
Nor...	55,384	53,118	2,069	197	96·3	6,379 5 2	0 1 11
	79,817	69,498	6,952	3,367	90·9	7,482 12 3	0 1 9
	31,189	59,226	994	969	98·3	9,627 13 1	0 2 7
...	38,273	35,465	1,760	1,048	95·3	3,070 7 10	0 1 5
... ...	55,878	45,726	8,976	1,176	83·6	6,232 1 5	0 2 2
...nevelly	71,087	67,479	2,538	1,070	96·4	7,035 4 1	0 1 8
Trichinopoly	36,235	35,017	502	716	98·6	4,998 13 10	0 1 10
Vizagapatam	97,848	90,054	6,738	1,056	93·0	†11,744 1 6	0 2 5
Total ...	1,124,091	1,008,166	88,279	27,646	91·9	1,57,113 8 6	0 2 7

* Information from one of the ranges not received. † Information from 2 ranges not received.

Operations with lanoline paste.

21. The following table shows animal vaccination of all kinds by medical subordinates, including both primary and re-vaccination :—

Districts.	Direct from calf.					Lanoline paste.					Preserved animal lymph.					Glycerine paste.					Total.				
	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.
Anantapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	51	47	4	...	92·1
Bellary	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,687	1,479	166	42	89·9
Chingleput	...	19	18	1	...	94·7	124	86	34	4	71·7	476	454	17	5	96·4	619	558	52	9	91·5	1,466	982	355	129	73·4
Coimbatore	...	...	...	...	...	...	...	...	...	...	...	1,465	932	355	129	73·4	1,466	982	355	129	73·4	49	39	10	...	79·6
Cuddapah	...	2	2	...	100·0	47	37	10	...	78·7	...	...	...	...	...	...	...	...	...	...	...	2,280	1,713	445	122	79·4
Ganjám	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,725	2,120	553	52	79·3
Gódávari	...	1,300	1,056	243	1	81·3	...	...	...	...	...	...	...	...	...	1,425	1,278	141	6	89·8	1,306	1,153	141	12	89·1
Kistna	...	20	20	...	...	100·0	8	5	3	...	62·5	1,278	1,123	141	14	89·8	964	662	245	57	73·0
Kurnool	...	287	259	27	1	90·5	677	403	218	56	64·9	...	...	...	...	...	1,199	802	342	55	70·1
Madura	...	1,194	797	342	55	70·0	5	5	...	...	100·0	...	...	...	...	...	21	21	...	...	100·0
Nilgiris	...	...	...	...	...	...	...	...	...	...	...	21	...	21	...	...	1,002	683	251	68	73·1
Malabar	...	...	...	...	...	...	...	...	...	...	...	1,002	683	251	68	73·1	341	308	31	2	90·8
Nellore	...	...	...	...	...	...	...	...	...	...	...	341	308	31	2	90·8	1,931	1,039	302	10	77·5
North Arcot	...	1,260	964	294	2	76·6	44	36	7	1	83·7	1,931	1,039	302	10	77·5	1,905	1,556	311	38	83·3
Salem	...	...	...	...	...	...	...	...	...	...	...	1,905	1,556	311	38	83·3	1,478	793	307	78	72·1
South Arcot	...	670	470	182	18	72·1	206	105	63	38	62·5	297	216	63	18	72·1	433	246	116	71	67·9
South Canara	...	32	32	...	...	100·0	...	...	...	...	...	363	193	112	58	63·3	84·0	21	4	42	88·8
Tanjore	...	63	3	...	7	9·6	70	61	6	3	91·0	3,402	3,066	391	35	88·7	3,555	3,119	394	42	82·9
Tinnevelly	...	1,017	769	102	86	82·6	...	...	...	...	...	939	722	152	65	82·6	2,026	1,552	320	154	82·9
Trichinopoly	...	799	495	207	87	65·0	...	...	...	...	...	...	...	...	...	...	799	495	267	37	65·0
Vizagapatam	...	...	...	...	...	...	316	279	33	4	89·4	845	667	161	17	80·6	1,161	946	194	21	85·0
Total	...	6,663	4,935	1,521	287	76·4	1,497	1,017	374	106	73·2	13,948	11,146	2,295	506	82·9	1,730	1,502	170	58	89·8	26,118	20,313	4,806	999	80·9

Information under these heads is not available.

22. The following table shows animal vaccination conducted in municipalities during 1896–97, including both primary and re-vaccination :—

Municipalities.	Direct from calf.					Preserved animal lymph.					Glycerine paste.					Total.				
	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of success.
Ádóni	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Anantapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	465	452	8	5	98·3
Anakápalle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,240	1,185	53	2	95·7
Bellary	...	565	498	67	10	84·3	34	28	4	2	87·5	479	361	100	18	78·3	1,050	933	108	9	89·7
Berhampur	...	519	508	11	...	97·9	...	...	...	...	...	1,050	933	108	9	89·7	537	504	29	4	94·6
Bezwada	...	...	...	...	...	...	...	...	...	...	...	537	504	29	4	94·6	6,507	6,022	291	194	95·4
Bimlipatam	...	...	...	...	...	...	...	...	...	...	...	6,507	6,022	291	194	95·4	1,686	1,266	359	61	77·9
Calicut	...	...	...	...	...	...	...	...	...	...	...	1,686	1,266	359	61	77·9	1,034	484	549	1	46·9
Cannanore	...	...	...	...	...	...	...	...	...	...	...	1,034	484	549	1	46·9	655	632	8	15	98·8
Chicacole	...	...	...	...	...	...	...	...	...	...	...	655	632	8	15	98·8	269	246	14	9	94·6
Chidambaram	...	655	632	8	15	98·8	...	...	...	...	...	269	246	14	9	94·6	1,170	1,069	93	8	92·0
Chingleput	...	...	...	...	...	...	...	...	...	...	...	1,170	1,069	93	8	92·0	1,950	1,799	105	46	94·5
Cochin	...	1,641	1,521	87	33	94·6	247	220	14	13	94·0	62	58	23	16	98·9	2,106	2,067	23	16	98·4
Cocanada	...	...	...	...	...	...	...	...	...	...	...	2,106	2,067	23	16	98·9	2,011	1,972	32	7	98·1
Coimbatore	...	598	585	11	2	98·2	...	...	...	...	...	1,413	1,387	12	6	98·1	637	619	12	6	97·2
Conjeeveram	...	...	...	...	...	...	...	...	...	...	...	637	619	12	6	97·2	2,377	2,316	22	39	99·1
Coonoor	...	1,402	1,465	9	18	99·4	534	492	29	13	94·4	885	851	22	12	99·1	492	492	...	...	...
Cuddalore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,027	1,009	29	13	99·4
Cuddapah	...	1,025	1,007	7	11	99·3	2	2	...	...	100·0	...	...	...	...	...	1,944	1,759	185	11	90·5
Dindigul	...	...	...	...	...	...	...	...	...	...	...	1,944	1,759	185	9	90·5	603	592	9	...	98·2
Ellore	...	...	...	...	...	...	...	...	...	...	...	603	592	9	2	98·5	906	757	132	17	85·2
Erode	...	...	...	...	...	...	...	...	...	...	...	906	757	132	17	85·2	1,186	1,044	107	35	90·7
Gudiyáttam	...	...	...	...	...	...	...	...	...	...	...	1,186	1,044	107	35	90·7	558	521	36	1	93·5
Guntúr	...	421	405	12	4	97·1	21	20	...	1	100·0	744	619	95	30	86·7	1,773	1,475	295	3	83·3
Karúr	...	...	...	...	...	...	...	...	...	...	...	558	521	36	1	93·5	1,523	1,231	131	161	90·4
Kumbakónam	...	...	...	...	...	...	...	...	...	...	...	1,773	1,475	295	3	83·3	27,021	24,813	1,044	1,164	96·0
Kurnool	...	1,523	1,231	131	161	90·4	...	...	...	...	...	1,523	1,231	131	161	90·4	5,750	5,583	114	3	98·1
Madras	...	26,088	24,489	1,044	1,164	95·9	333	333	...	...	100·0	27,021	24,813	1,044	1,164	96·0	656	656	...	...	100·0
Madura	...	5,867	5,750	114	3	98·1	...	...	...	...	...	5,867	5,583	71	2	89·1	2,002	1,957	45	...	97·7
Mannárgudi	...	...	...	...	...	...	...	...	...	...	...	2,002	1,957	45	...	97·8	1,907	1,851	56	...	97·1
Mangalore	...	32	32	...	...	100·0	...	...	...	...	...	1,907	1,851	56	...	97·1	786	713	69	4	91·2
Masulipatam	...	1,830	1,828	52	...	97·2	...	...	...	...	...	786	713	69	4	91·2	3,420	3,237	103	80	96·9
Mayavaram	...	234	233	1	...	99·6	...	...	...	...	...	3,420	3,237	103	80	96·9	1,200	1,131	31	38	97·3
Nagapatam	...	3,420	3,237	103	80	96·9	...	...	...	...	...	1,200	1,131	31	38	97·3	545	434	105	6	80·5
Nellore	...	...	...	...	...	...	...	...	...	...	...	545	434	105	6	80·5	...	...	...	...	...
Ongole	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Municipalities.	Direct from calf.				Preserved animal lymph.				Glycerine paste.				Lanoline paste.				Total.			
	Total.	Successful.	Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.
Ootacamund	6	6	...	...	...	...	...	...	1,154	1,153	...	1	...	...	...	...	1,160	1,159	...	1
Palamcottah	688	649	34	5	...	...	...	...	83	82	...	1	...	...	...	...	771	731	34	6
Palghat	...	...	...	...	...	...	...	...	2,357	2,337	19	1	...	...	...	...	2,357	2,337	19	1
Parlákimedi	...	...	...	...	...	...	...	...	885	715	170	...	...	...	...	...	885	715	170	...
Periyakulam	721	697	18	6	...	...	...	...	15	...	5	10	...	...	...	...	879	843	24	12
Palni	...	...	...	...	158	146	6	6	915	850	49	16	...	...	...	...	915	850	49	16
Rajahmundry	...	...	...	...	...	...	...	...	1,778	1,676	97	5	...	...	...	...	1,778	1,676	97	5
Salem	...	...	...	...	...	...	...	...	2,983	2,953	29	1	...	...	...	...	2,983	2,953	29	1
Srirangam	1,119	1,096	14	9	1	...	...	1	...	...	...	...	...	...	...	...	1,120	1,106	14	10
Srivilliputtur	745	701	39	5	...	...	...	...	762	718	39	5	...	...	...	...	762	718	39	5
Tanjore	779	749	28	2	...	...	...	...	1,815	1,737	72	6	...	...	...	...	1,815	1,737	72	6
Tellicherry	...	...	...	...	...	...	...	...	1,269	1,093	129	47	...	...	...	...	1,269	1,093	129	47
Tinnevelly	1,240	1,170	44	26	...	...	...	...	1,240	1,170	44	26	...	...	...	...	1,240	1,170	44	26
Trichinopoly	7,509	7,283	167	59	...	...	...	...	7,509	7,283	167	59	...	...	...	...	7,509	7,283	167	59
Tiruppattúr	...	...	...	...	...	...	...	...	845	840	5	...	...	...	...	...	845	840	5	...
Tirupati	...	...	...	...	...	...	...	...	590	533	31	26	...	...	...	...	590	533	31	26
Tiruvannámalai	...	...	...	...	...	...	...	...	183	161	20	2	91·9	124	11	2	1,372	1,338	34	...
Tuticorin	1,372	1,338	34	...	...	...	...	...	1,016	1,007	35	4	...	...	...	...	1,016	1,007	35	4
Vániyambádi	...	...	...	...	...	...	...	...	2,030	1,954	61	15	...	...	...	...	2,030	1,954	61	15
Vellore	2,030	1,954	61	15	...	...	...	...	1,331	1,139	191	1	...	...	...	...	1,331	1,139	191	1
Vizagapatam	43	37	6	...	...	...	...	...	1,884	1,807	71	6	96·2	1,807	71	6	1,884	1,807	71	6
Vizianagram	...	...	...	...	...	...	...	...	625	404	77	44	...	...	...	...	625	404	77	44
Walajapet	...	...	...	...	...	...	...	...	118,655	109,924	6,330	2,401	93·3	7,990	568	90	118,655	109,924	6,330	2,401
Total ...	62,812	59,062	2,122	1,628	1,780	1,593	77	60	45,495	41,909	3,563	623	92·1	8,618	568	90	118,655	109,924	6,330	2,401

Municipalities.	Total.	Percentage of success.
Ootacamund	1,160	100·0
Palamcottah	771	95·6
Palghat	2,357	99·2
Parlákimedi	885	80·8
Periyakulam	879	97·2
Palni	915	94·5
Rajahmundry	1,778	94·6
Salem	2,983	99·0
Srirangam	1,120	98·7
Srivilliputtur	762	94·8
Tanjore	1,815	96·0
Tellicherry	1,269	89·4
Tinnevelly	1,240	96·4
Trichinopoly	7,509	97·7
Tiruppattúr	845	99·4
Tirupati	590	94·5
Tiruvannámalai	183	89·0
Tuticorin	1,372	97·5
Vániyambádi	1,016	96·6
Vellore	2,030	97·0
Vizagapatam	1,331	85·5
Vizianagram	1,884	96·2
Walajapet	625	84·0
Total ...	118,655	93·3

23. Human lymph has not been used in any district, except in the case of the Ganjám 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 Ganjám 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.

28. 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,

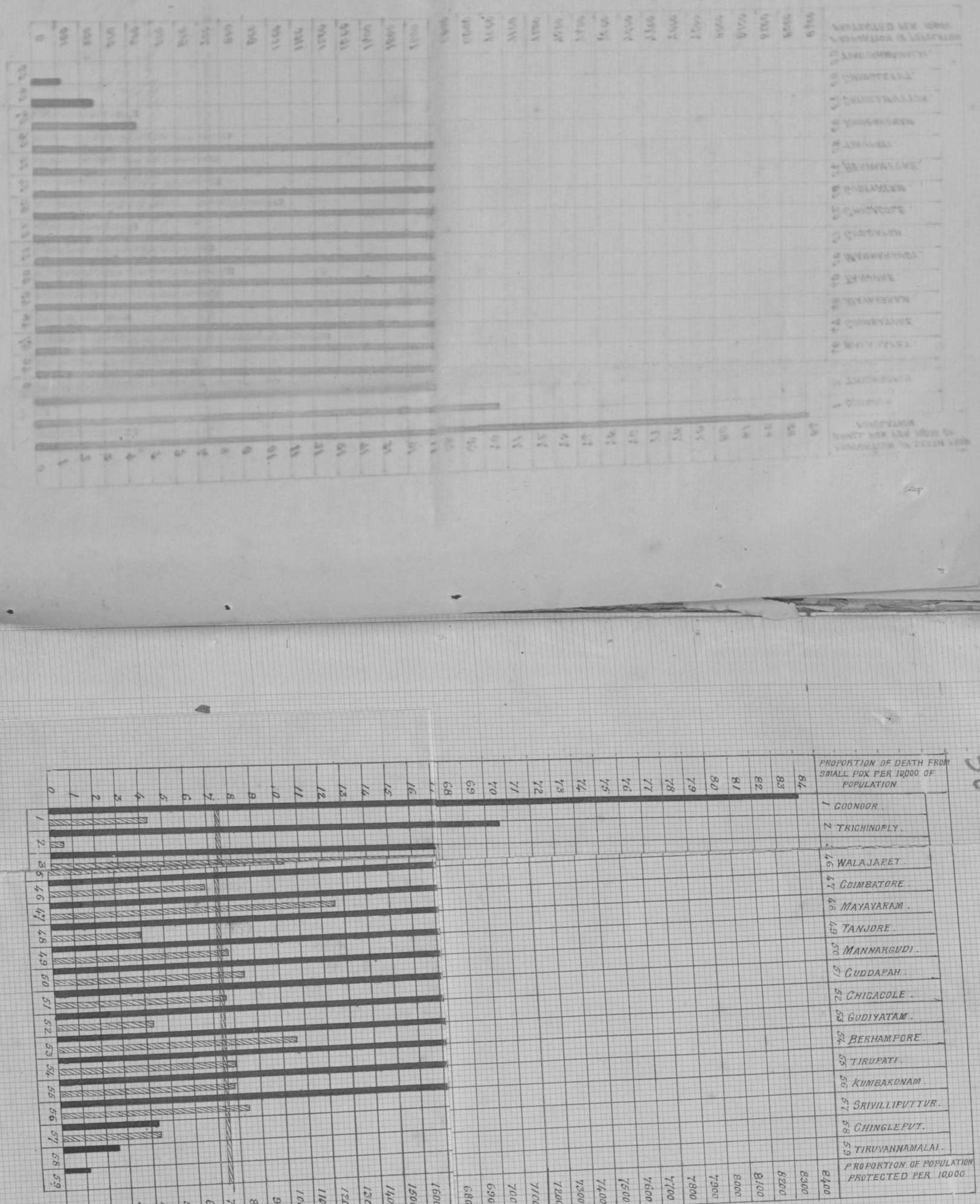
Your most obedient servant,

W. B. Bannerman

Surgeon-Major

1.7.97 *Inspector of Vaccination and*

Deputy Sanitary Commissioner, Madras.


PROPORTION OF DEATH FROM SMALL POX PER 10000 OF POPULATION
PROPORTION OF POPULATION PROTECTED PER 10,000
1 COONOOR.
2 TRICHINOPLY.
46 WALAJAPET.
47 COIMBATORE.
48 MAYAVARAM.
49 TANJORE.
50 MANNARGUDI.
51 CUDDAPAH.
52 CHICACOLE.
53 GUDIYATAM.
54 BERHAMPORE.
55 TIRUPATI.
56 KUMBAKONAM.
57 SRIVILLIPUTTUR.
58 CHINGLEPUT.
59 TIRUVANNAMALAI.
MEAN
POX

MUNICIPALITIES

PROPORTION OF DEATH FROM SMALL POX PER 10000 OF POPULATION																																				
1	GOONOOR.	2	TRICHINOPLY.	3	COCHIN.	4	COTACAMUND	5	CALICUT.	6	CANNANORE.	7	ELLORE.	8	PALGHAT.	9	MASULIPATAM.	10	MANGALORE.	11	ANANTAPUR.	12	BEZWADA.	13	TINNEVELLY.	14	MADRAS.	15	BIMLIPATAM.	16	ANAKAPALLE.	17	RAJAHMUNDRY	18	ERODE.	19	DINDIGUL.
20	VANIYAMBADI.	21	PALAMCOTTAH.	22	KURNOOL.	23	TELLICHERRY.	24	STRIRANGAM.	25	MADURA.	26	NEGAPATAM.	27	PARLAKIMEDI.	28	BELLARY.	29	VIZAGAPATAM.	30	TUTICORIN.	31	ADONI.	32	CUDAMGARAM.	33	NELLORE.	34	VELLORE.	35	CONJEEVERAM.	36	CUDDALORE.	37	SALEM.	38	VIZIANAGRAM.	39	ONGOLE.
40	GUNTUR.	41	KARUR.	42	PERIYAKULAM.	43	TIRUPPATUR.	44	PALNI.	45	COCANADA.																									

MEAN

MEAN

REFERENCE

THICK BLACK LINES REPRESENT THE PROPORTION OF POPULATION PER 10,000 PROTECTED FROM SMALL

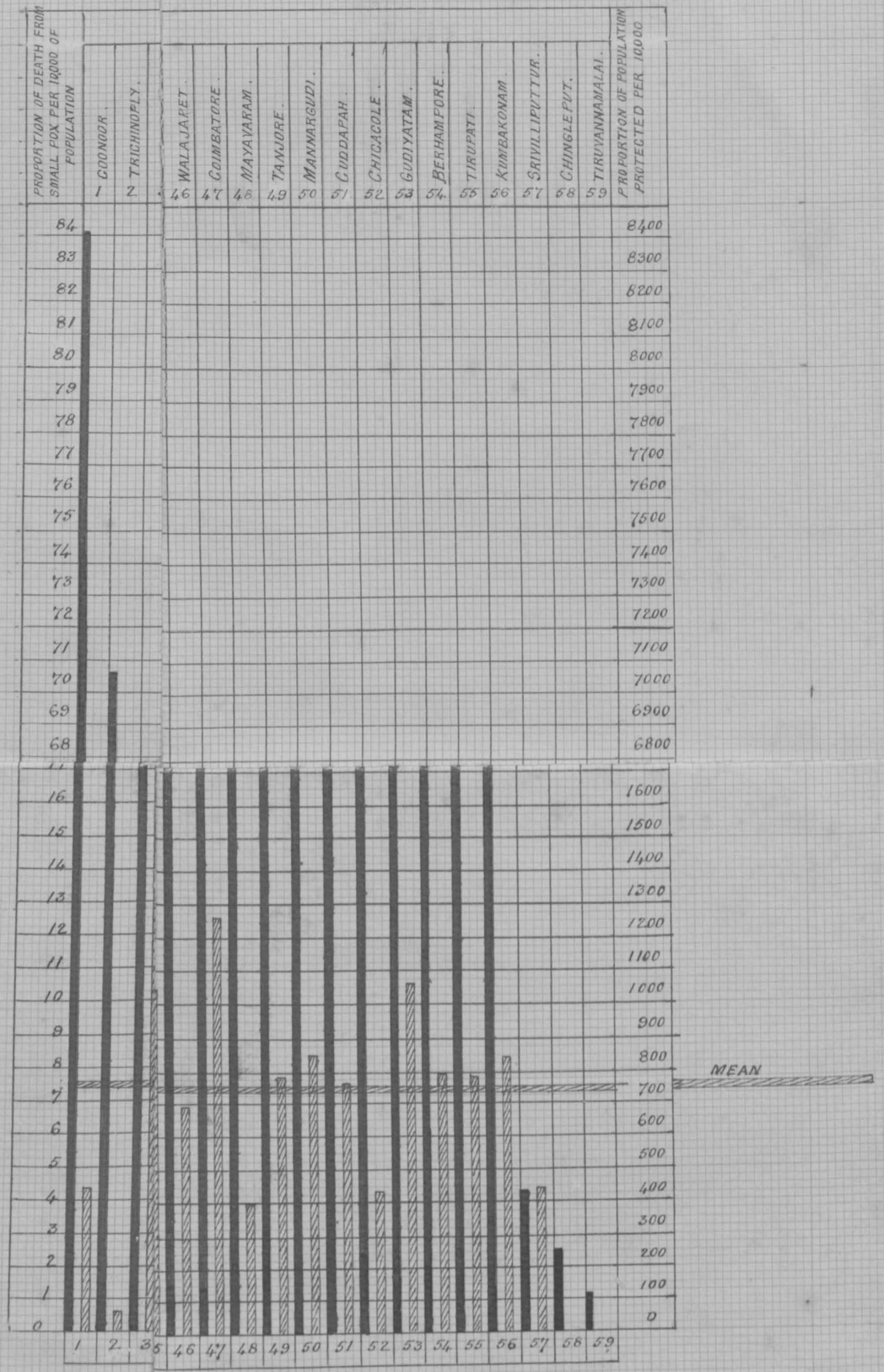
SHADED LINES REPRESENT THE PROPORTION OF DEATHS FROM SMALL POX PER 10,000 OF POPULATION

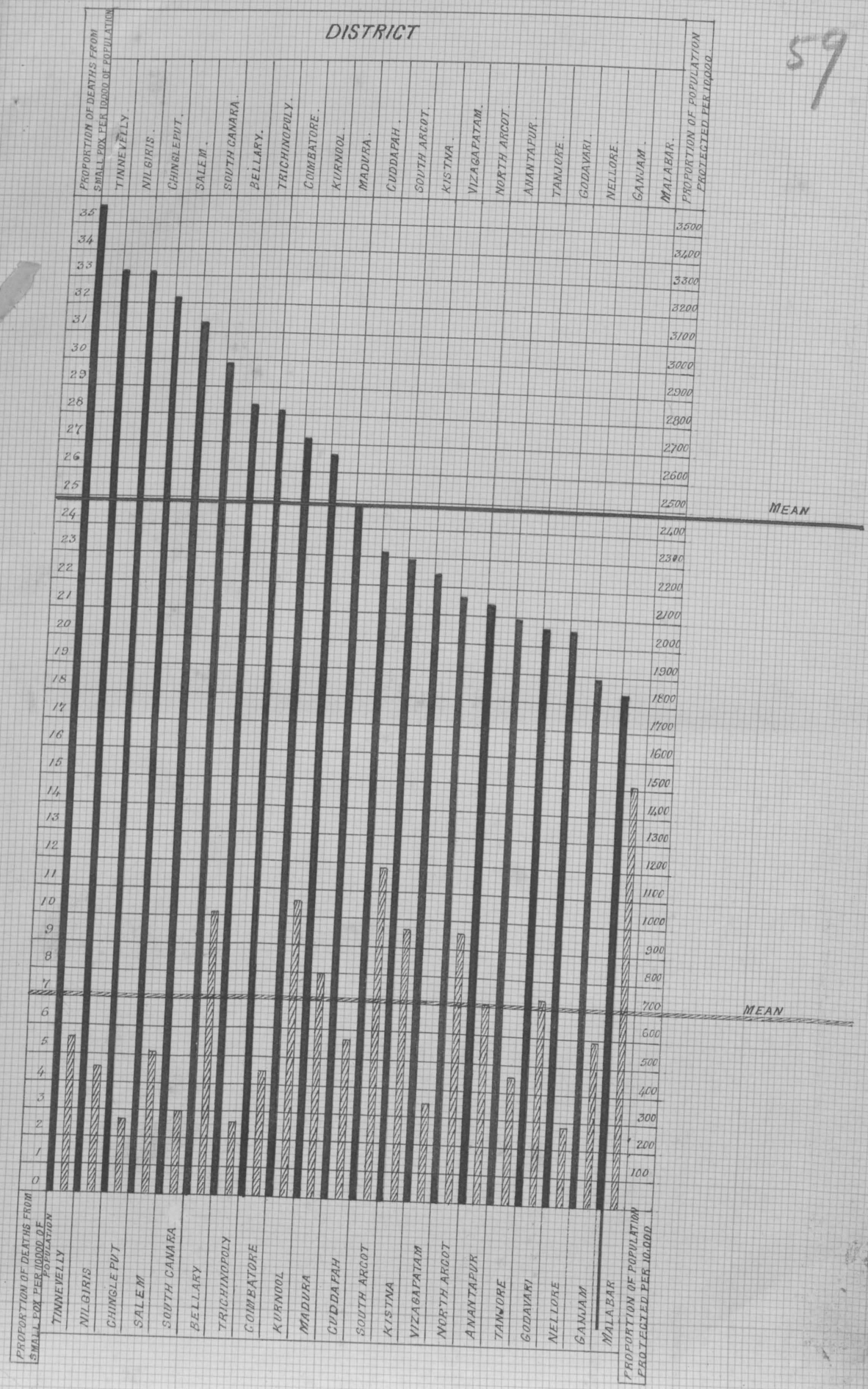
MALABAR.

PROPORTION OF POPULATION PROTECTED PER 10,000

THICK BLACK LINES REPRESENT THE PROPORTION OF POPULATION PER 10,000 PROTECTED FROM SMALL POX

SHADED LINES REPRESENT THE PROPORTION OF DEATHS FROM SMALL POX PER 10,000 OF POPULATION





REFERENCE

THICK BLACK LINES REPRESENT THE PROPORTION OF POPULATION PER 10,000 PROTECTED FROM SMALL POX

SHADED LINES REPRESENT THE PROPORTION OF DEATHS FROM SMALL POX PER 10,000 OF POPULATION

APPENDIX.

VACCINATION RETURNS.

A—VACCINE DEPARTMENT.

STATEMENT No. I *showing the Particulars of Vaccination in the Madras Presidency during the official year 1896-97.*

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1891.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary vaccination.		Re-vaccination.			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.	
										Total.	Under 1 year.	Total.	Successful.	Unsuccessful.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Total.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
1	2	3	4	5	6	7			8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
						Males.	Females.	Total.																				
1	Anantapur.	Anantapur circle ...	720,731	138	10	5,269	4,739	10,008	1,001	9,812	2,851	4,973	8,493	1,228	91	196	116	72	8	87·4	61·7	21·6	0·3	21·9	...	...	...	...
2		Penukonda do. ...			7	4,125	3,705	7,830	1,119	7,718	2,174	4,587	7,104	504	110	112	71	32	9	93·4	68·2							
		Total of district ...	720,731	138	17	9,394	8,444	17,838	1,049	17,530	5,025	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
3	Bellary.	Bellary circle	514,663	143	15	9,977	9,405	19,382	1,292	19,260	8,533	7,518	16,471	1,665	1,124	122	83	21	18	90·8	79·8	32·0	0·2	32·2	...	...	...	...
4		Harpanahalli circle ...	280,577	140	9	5,644	5,172	10,816	1,202	10,576	4,812	4,590	9,876	511	189	240	206	22	12	95·1	90·3	35·2	0·7	35·9	...	...	...	...
		Total of district ...	795,240	142	24	15,621	14,577	30,198	1,258	29,836	13,345	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
5	Chingleput.	Chingleput circle ...	566,888	340	14	14,794	14,273	29,067	2,076	27,447	13,935	8,193	24,684	1,979	784	1,020	1,257	228	135	92·6	84·6	43·5	2·2	45·7	...	...	...	...
6		Saidapet do. ...	583,829	433	11	10,832	9,872	20,704	1,882	19,431	8,825	7,619	17,507	1,219	705	1,273	722	408	143	93·6	63·8	30·0	1·3	31·3	...	...	...	...
		Total of district ...	1,150,617	385	25	25,626	24,145	49,771	1,991	46,878	22,760	15,812	42,191	3,198	1,489	2,893	1,979	636	278	93·0	75·5	36·7	1·7	38·4	39,859	34·6	286	0·3
7	Coimbatore.	North Coimbatore circle	533,449	176	12	9,474	9,542	19,016	1,585	18,889	9,935	6,893	17,376	943	570	127	94	23	10	94·9	80·3	32·6	0·2	32·7	...	...	...	...
8		South do. do.	597,115	293	12	11,150	11,108	22,258	1,854	21,855	10,760	9,488	20,411	1,163	281	403	255	71	77	94·6	78·2	34·2	0·4	34·6	...	...	...	...
9		East do. do.	804,812	293	16	15,436	14,741	30,177	1,866	29,461	12,379	10,845	24,698	3,964	799	716	507	151	58	86·2	77·1	30·7	0·6	31·3	...	...	...	...
		Total of district ...	1,935,376	247	40	36,060	35,391	71,451	1,786	70,205	33,074	27,226	62,485	6,070	1,650	1,246	856	245	145	91·1	77·7	32·3	0·4	32·7	55,604	28·7	1,067	0·5
10	Cuddapah.	Cuddapah circle ...	443,076	174	11	6,713	5,119	11,832	1,075	11,559	2,552	6,171	11,139	322	98	273	223	27	23	97·2	89·2	25·1	0·5	25·6	...	...	...	...
11		Madanapalle do. ...	502,546	140	14	9,141	8,699	17,840	1,274	17,698	4,770	9,307	17,535	158	5	142	87	55	...	99·1	61·3	34·9	0·2	35·1	...	...	...	...
12		Sidhout do. ...	309,071	118	7	5,615	4,423	10,038	1,434	9,579	3,851	3,913	9,456	52	71	459	426	14	19	99·5	96·8	30·6	1·4	32·0	...	...	...	...
		Total of district ...	1,254,693	143	32	21,469	18,241	39,710	1,241	38,836	11,173	19,391	38,130	852	174	874	736	96	42	98·6	88·5	30·4	0·6	31·0	36,940	29·4	347	0·3
13	Ganjám.	Chatrapur circle ...	1,836,519	219	*20	12,142	9,587	21,729	1,086	21,219	747	12,532	18,743	2,382	94	510	461	49	...	88·7	90·4	22·4	0·9	23·3	...	...	...	...
14		Chicacole do. ...			13	10,424	9,268	19,692	1,741	18,481	1,761	9,711	14,679	3,779	23	1,211	1,113	98	...	79·5	91·9							
15		Ganjám hill tracts ...			10	4,756	4,395	9,151	2,915	9,081	857	3,332	7,809	751	521	70	66	4	...	91·2	94·3							
		Total of district ...	1,836,519	219	43	27,322	23,250	50,572	1,176	48,781	3,365	25,575	41,231	6,912	638	1,791	1,640	151	...	85·6	91·6	22·4	0·9	23·3	31,578	17·2	306	0·2
16	Gódávari.	Ellore circle	647,190	256	22	17,229	15,315	32,544	1,479	31,954	3,843	15,827	26,219	5,065	670	590	282	262	46	83·8	51·8	40·5	0·4	40·9	...	...	...	...
17		Pittápore circle ...	383,467	307	16	10,059	9,157	19,216	1,201	18,686	1,798	11,044	15,411	2,670	605	530	85	392	53	85·2	17·8	40·2	0·2	40·4	...	...	...	...
18		Rajahmundry circle ... Government vaccinators.	949,793	349	*10	3,645	3,439	7,084	708	6,850	615	4,214	5,376	1,151	323	234	162	47	25	82·4	77·5	8·8	0·3	9·1	...	...	...	...
					5	2,467	2,081	4,548	909	4,336	522	1,727	2,975	1,242	119	212	143	69	...	70·5	67·4							
		Total of district ...	1,980,450	345	53	33,400	29,992	63,392	1,196	61,826	6,778	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
19	Kistna.	Guntúr circle	686,772	272	18	12,832	12,332	25,164	1,398	24,929	6,287	14,046	22,613	1,947	369	235	196	27	12	92·1	87·9	32·9	0·3	33·2	...	...	...	...
20		Masulipatam circle ...	705,068	201	20	15,436	14,294	29,730	1,486	28,439	4,099	17,805	27,086	1,038	315	1,291	1,193	77	21	96·3	93·1	38·4	1·7	40·1	...	...	...	...
21		Vinukonda do. ...	380,833	156	11	6,918	6,835	13,783	1,253	13,672	5,548	5,902	12,123	1,238	311	111	109	2	...	90·7	98·2	31·8	0·3	32·1	...	...	...	...
		Total of district ...	1,772,673	209	49	35,216	33,461	68,677	1,402	67,040	15,934	37,753	61,822	4,223	995	1,637	1,498	106	33	93·6	93·4	34·9	0·8	35·7	51,484	29·0	2,984	1·7
22	Kurnool.	Cumbum circle	404,781	99	10	7,898	6,337	14,235	1,423	13,890	2,632	7,231	11,868	1,791	231	345	260	69	16	86·9	79·0	29·3	0·6	30·0	...	...	...	...
23		Kurnool do.	424,150	123	12	8,730	6,936	15,666	1,305	14,657	3,774	6,927	12,489	1,305	863	1,009	687	165	157	90·5	80·6	29·5	1·6	31·1	...	...	...	...
		Total of district ...	828,931	112	22	16,628	13,273	29,901	1,359	28,547	6,406	14,158	24,357	3,096	1,094	1,354	947	234	173	88·7	80·2	29·4	1·1	30·5	22,338	26·9	314	0·4
24	Madura.	Dindigul circle ...	814,267	259	14	16,068	14,690	30,758	2,128	29,033	13,813	12,974	28,268	422	343	1,725	1,521	146	58	98·5	91·2	34·6	1·9	36·6	...	...	...	...
25		Madura do. ...	587,044	370	11	10,450	9,916	20,366	1,851	20,211	8,436	9,903	19,693	266	252	155	115	25	15	98·7	82·1	33·5	0·2	33·7	...	...	...	...
26		Paramagudi do. ...	1,066,159	290	18	17,930	16,742	34,672	1,926	34,103	10,092	19,053	33,547	397	159	569	441	104	24	98·8	80·9	31·5	0·4	31·9	...	...	...	...
		Total of district ...	2,467,470	294	43	44,448	41,348	85,796	1,995	83,347	32,341	41,930	81,508	1,085	754	2,449	2,077	275	97	98·7	88·3	33·0	0·8	33·8	74,498	30·2	1,266	0·9

N.B.—In calculating the percentage of success shown in this statement and in statement No. III, unknown cases have not been taken into account.

* Including temporary vaccinators.

A—VACCINE DEPARTMENT.

STATEMENT No. I *showing the Particulars of Vaccination in the Madras Presidency during the official year 1896-97*—continued.

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1891.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary vaccination.		Re-vaccination.			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.	
										Total.	Under 1 year.	Total.	Successful.	Unsuccessful.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Total.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
						Males.	Females.	Total.															
1	2	3	4	5	6	7			8	9													
27	Malabar.	Tellicherry circle ...	2,464,154	429	13	9,435	5,130	14,565	1,120	14,131	447												
28		Calicut do. ...			15	13,267	5,850	19,117	1,274	18,741	385												
29		Palghat do. ...			14	10,762	6,362	17,124	1,223	16,805	207												
		Total of district ...	2,464,154	429	42	33,464	17,342	50,806	1,210	49,677	739	4,807	10,924	2,041	1,166	434	143	233	58	84·3	38·0	15·4	0·2	15·5	...	...	...	...
30	Nellore.	Kávali circle	1,423,540	164	9	5,580	5,297	10,877	1,209	10,853	1,362	4,997	13,476	3,175	2,090	376	152	163	61	80·9	48·2							
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	5,368	13,439	2,616	750	319	108	196	15	83·7	35·5							
		Total of district ...	1,423,540	164	31	19,978	19,156	39,134	1,262	38,987	6,187	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
33	Nilgiris.	Nilgiri circle	78,695	85	4	2,770	1,569	4,339	1,085	4,061	507	5,824	8,335	1,935	583	24	7	11	6	81·2	43·7	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							
		Total of district ...	78,695	85	4	2,770	1,569	4,339	1,085	4,061	507	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
34	North Arcot.	Chittoor circle ...	2,026,088	293	15	9,851	9,017	18,868	1,257	18,418	6,056	1,328	4,016	20	25	278	240	7	31	99·5	97·2	51·0	3·0	54·0	...	...	...	...
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	1,328	4,016	20	25	278	240	7	31	99·5	97·2	51·0	3·0	54·0	3,018	38·3	33	0·4
		Total of district ...	2,026,088	293	37	28,992	26,392	55,384	1,497	53,082	15,488	10,457	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	49	382	328	46	8	96·9	87·7							
37	Salem.	Krishnagiri circle ...	464,385	178	12	9,092	9,610	18,702	1,558	16,852	7,278	30,490	51,084	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
38		Salem do. ...	666,224	223	19	15,080	15,101	30,181	1,588	24,090	6,764																	
39		Námakkal do. ...	731,935	345	17	15,446	15,488	30,934	1,819	26,296	6,265	6,692	15,790	749	313	1,850	1,531	191	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	83·4	30·8	4·7	35·5	...	...	...	...
		Total of district ...	1,862,544	249	48	39,618	40,199	79,817	1,665	67,238	20,307	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
40	South Arcot.	Cuddalore circle ...	2,083,206	431	18	16,486	16,366	32,852	1,825	32,577	10,383	18,267	31,534	529	514	275	227	25	23	98·3	90·1	28·3	0·2	28·5	...	...	...	...
41		Vriddhachalam circle ...			15	9,167	8,846	18,013	1,200	17,932	7,283																	
42		Tiruvannámala do. ...			9	5,306	5,018	10,324	1,147	10,247	4,311	8,970	17,370	310	252	81	69	9	3	98·2	88·5							
												4,918	9,959	117	171	77	67	4	6	98·8	94·4							
		Total of district ...	2,083,206	431	42	30,959	30,230	61,189	1,457	60,756	21,977	32,155	58,863	956	937	433	363	38	32	98·4	90·5	28·3	0·2	28·5	61,512	29·5	2,009	0·9
43	South Canara.	No. I. South Canara circle	611,971	320	14	11,773	10,517	22,290	1,592	21,849	1,832	11,518	20,713	718	418	441	329	83	29	96·6	79·9	33·8	0·7	34·5	...	...	...	...
44		No. II. do. do.	399,466	201	10	8,448	7,535	15,983	1,598	15,351	1,380	7,350	13,987	850	514	632	436	109	87	94·3	80·0	35·0	1·1	36·1	...	...	...	...
		Total of district ...	1,011,437	260	24	20,221	18,052	38,273	1,595	37,200	3,212	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
45	Tanjore.	Negapatam circle ...	898,215	612	15	13,267	12,339	25,606	1,707	24,454	4,816	13,233	21,421	2,616	417	1,152	652	462	38	89·1	58·5	23·8	0·7	24·5	...	...	...	...
46		Tanjore do. ...	1,117,821	516	22	15,793	14,479	30,272	1,376	28,527	3,700	14,490	22,787	5,159	581	1,745	866	739	140	81·5	54·0	20·4	0·8	21·2	...	...	...	...
		Total of district ...	2,016,036	555	37	29,060	26,818	55,878	1,510	52,981	8,516	27,723	44,208	7,775	998	2,897	1,518	1,201	178	85·0	55·8	21·9	0·7	22·6	44,922	22·3	857	0·4
47	Tinnevelly.	Sáttúr circle	559,104	322	11	10,915	10,279	21,194	1,927	20,672	4,843	11,195	19,559	744	369	522	405	90	27	96·3	81·8	34·8	0·7	35·7	...	...	...	...
48		Sérmádévi circle ...	512,974	322	11	11,459	10,610	22,069	2,006	20,391	6,192	9,761	19,493	499	399	1,678	1,480	89	109	97·5	94·3	38·0	2·9	40·9	...	...	...	...
49		Tinnevelly do. ...	745,915	383	15	14,387	13,437	27,824	1,854	26,495	4,550	15,091	25,478	885	132	1,329	1,064	231	34	96·6	82·1	34·2	1·4	35·6	...	...	...	...
		Total of district ...	1,817,993	343	37	36,761	34,326	71,087	1,921	67,558	15,585	36,047	64,530	2,128	900	3,529	2,949	410	170	96·8	87·8	35·5	1·6	37·1	75,373	41·5	1,394	0·7
50	Trichinopoly.	Trichinopoly circle ...	1,260,476	355	18	18,241	17,994	36,235	2,013	34,555	7,198	20,031	33,514	414	627	1,680	1,503	88	89	98·8	94·5	26·6	1·2	27·8	...	...	...	...
		Total of district ...	1,260,476	355	18	18,241	17,994	36,235	2,013	34,555	7,198	20,031	33,514	414	627	1,680	1,503	88	89	98·8	94·5	26·6	1·2	27·8	40,710	32·3	294	0·2

A—VACCINE DEPARTMENT.

STATEMENT No. I *showing the Particulars of Vaccination in the Madras Presidency during the official year 1896-97*—continued.

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1891.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary vaccination.		Successful.		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.	
										Total.	Under 1 year.	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.
1	2	3	4	5	6	7			8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
						Males.	Females.	Total.																				
51	Vizagapatam.	Gunapur circle	...	...	3	1,391	936	* 2,327	776	2,324	51	1,077	1,986	250	88	3	3	...	...	88·8	100·0	...	...	...	...	...	...	...
52		Zemindary vaccinators. Jeypore circle	...	...	3	1,018	809	* 1,827	609	1,817	154	956	1,512	239	66	10	10	...	...	86·3	100·0	...	...	...	...	...	...	...
		Zemindary vaccinators.	...	...	4	2,390	2,306	4,696	1,174	4,626	195	2,421	3,984	434	208	70	23	27	20	90·2	46·0	...	...	...	...	...	...	...
		Total of hill tracts ...	...	...	7	2,995	2,694	5,689	813	5,678	87	3,403	4,893	705	80	11	11	...	...	100·0	...	...	...	...	...	...	...	...
53		Vizagapatam circle ...	...	...	17	7,794	6,745	14,539	855	14,445	487	7,857	12,375	1,628	442	94	47	27	20	88·4	63·5	...	...	...	...	...	..	...
		Government vaccinators (Gudem hills) ...	...	...	14	13,456	12,559	26,015	1,892	24,992	5,219	14,392	24,222	538	232	1,023	915	71	37	97·8	92·8	...	...	...	...	...	...	...
54		Vizianagram circle ...	...	...	1	313	315	628	628	614	56	375	557	55	2	14	14	...	...	91·0	100·0	...	...	...	...	...	...	...
		Total of district ...	2,710,787	155	18	28,965	27,701	56,666	3,148	55,400	10,707	30,267	50,894	4,207	299	1,266	1,030	204	32	92·4	83·5	...	...	...	...	...	...	...
		Total of circles and districts	33,497,656	284	50	50,528	47,320	97,848	1,957	95,451	16,469	52,891	88,048	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
1	Military Cantonments.	Bangalore	93,540	...	2	406	490	896	448	461	301	524,755	951,088	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
2		Secunderabad	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	142	443	18	...	435	231	204	...	96·1	53·1	4·8	2·5	7·2	709	7·6	13	0·1
		† Medical Subordinates.	...	...	...	12,405	343	12,748	...	1,205	2	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	Municipalities.	Ádóni	26,243	13,121	1	731	711	1,442	1,442	1,423	1,028	1,035	3,628	459	97	1,467	762	655	50	88·8	53·8	20·3	4·3	24·6	4,032	22·6	15	0·1
2		Anantapur	6,994	777	1	352	143	495	495	264	204	27	1,088	151	56	11,453	8,051	2,964	438	87·8	73·1	...	...	...	...	...	...	...
3		Anakápalle	17,010	1,417	1	656	584	1,240	1,240	1,095	470	193	1,261	149	13	19	10	5	4	89·2	66·7	48·0	0·4	48·4	1,087	41·4	...	...
4		Bellary	59,467	2,297	1	1,942	1,243	3,185	1,061	2,468	1,845	53	263	...	1	231	189	8	34	100·0	95·9	37·6	27·0	64·6	383	54·8	...	...
5		Berhampur	25,653	6,413	3	626	452	1,078	539	982	309	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
6		Bezwada	20,741	4,148	2	859	710	1,569	1,569	1,334	548	340	2,234	206	28	717	599	81	37	91·6	88·1	37·6	9·9	47·6	3,038	51·1	9	0·1
7		Bimlipatam	9,827	1,092	1	296	241	537	537	450	334	418	812	156	14	96	45	35	16	83·9	56·2	31·7	1·8	33·4	861	33·6	1	0·04
8		Calicut	66,078	5,083	1	3,893	2,614	6,507	1,427	6,311	2,297	583	1,277	54	3	235	170	65	...	95·9	72·3	61·6	8·2	69·8	1,513	72·9	10	0·5
9		Cannanore	27,418	6,854	4	948	738	1,686	1,034	1,421	834	71	427	20	3	87	77	9	1	95·5	89·5	43·5	7·8	51·3	538	54·7	1	0·1
10		Chicacole	18,241	6,080	2	555	479	1,034	843	781	258	2,191	5,899	227	185	196	123	64	9	96·3	65·8	89·3	1·9	91·1	4,722	71·5	318	4·8
11		Chidambaram	18,640	3,107	1	358	297	655	655	644	441	336	1,216	196	9	265	50	163	52	86·1	23·5	44·4	1·8	46·2	1,809	65·9	8	0·3
12		Chingleput	9,763	7,811	1	149	120	269	269	258	65	98	394	386	1	253	90	163	..	50·5	35·6	21·6	4·9	26·5	633	34·6	3	0·2
13		Cochin	17,601	17,601	1	728	442	1,170	1,170	1,011	459	161	628	3	13	11	4	4	3	96·0	50·0	24·8	0·4	25·2	783	42·0	11	0·6
14		Cocanada	40,553	8,111	2	1,015	935	1,950	1,170	1,842	708	147	242	10	6	11	4	4	3	96·0	50·0	24·8	0·4	25·2	...	...	...	...
15		Coimbatore	46,383	15,461	2	1,115	991	2,106	975	1,505	1,505	349	953	53	5	159	116	40	3	94·7	74·4	54·1	6·6	60·7	1,216	69·1	90	5·1
16		Conjeeveram	42,548	10,637	2	1,144	867	2,011	1,053	1,207	292	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
17		Coonoor	6,049	672	1	367	270	637	1,005	2,015	1,346	457	2,000	8	7	91	67	15	9	99·6	81·7	43·1	1·4	44·5	1,715	37·0	65	1·4
18		Cuddalore	47,355	4,305	2	1,270	1,107	2,377	637	1,563	1,505	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
19		Cuddapah	17,379	915	1	378	156	534	534	553	1,207	201	544	5	4	84	75	7	2	99·1	98·6	80·9	12·4	102·3	598	98·8	1	0·1
20		Dindigul	20,203	10,101	1	554	473	1,027	534	2,220	292	728	2,194	20	6	157	122	2	33	99·1	98·4	46·3	2·6	48·9	2,246	47·4	29	0·6
21		Ellore	29,382	3,265	2	1,120	824	1,944	1,027	310	1,346	78	307	3	...	224	185	26	13	99·0	87·7	17·6	10·6	28·3	513	29·5	7	0·4
22		Erode	12,330	1,121	1	349	254	603	972	938	226	154	924	9	5	89	85	2	2	99·0	97·7	45·7	4·2	49·9	998	49·3	4	0·2
23		Gudiyáttam	18,747	18,747	1	475	431	906	603	1,814	749	756	1,652	162	...	130	107	23	...	91·1	82·3	56·2	3·6	59·8	2,061	70·1	23	0·8
24		Guntúr	23,359	1,797	1	690	496	1,186	906	543	535	130	533	8	2	60	59	1	...	98·5	98·3	43·2	4·8	48·0	598	48·5	3	0·2
25		Karúr	10,750	10,750	1	304	254	558	1,186	839	391	192	711	111	17	67	46	21	...	86·5	68·7	37·9	2·5	40·4	3,370	17·9	17	0·9
26		Kumbakónam	54,307	18,102	2	947	826	1,773	558	1,057	515	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
27		Kurnool	24,376	4,875	1	953	570	1,523	886	4·4	678	86	441	22	1	94	80	14	...	95·2	85·1	41·0	7·4	48·4	422	39·2	3	0·3
28		Madras	452,518	16,019	24	16,028	10,993	27,021	1,523	1,307	342	418	1,415	279	3	76	60	16	...	83·5	78·9	26·1	1·1	27·2	1,585	29·2	19	0·3
29		Madura	87,428	6,725	3	3,166	2,701	5,867	1,126	1,343	882	273	1,114	112	117	180	117	19	44	90·9	86·5	45·7	4·8	50·5	904	37·1	1	0·04
30		Mannárgudi	20,395	5,099	1	327	329	656	1,955	19,193	675	5,322	18,789	153	251	7,828	6,024	891	913	99·2	87·1	41·5	13·3	54·8	23,852	52·7	26	0·05
31		Mangalore	40,922	8,184	2	1,071	931	2,002	656	5,371	12,929	1,352	5,278	93	...	496	472	21	3	98·3	95·7	60·4	5·4	65·8	4,397	50·3	138	1·6
32		Masulipatam	38,809	9,702	2	1,104	803	1,907	1,001	643	3,858	71	574	67	2	13	9	4	...	89·5	69·2	28·1	0·4	28·5	745	36·5	10	0·5
33		Máyavaram	23,765	7,922	1	398	388	786	953	1,527	495	579	1,496	31	...	475	461	14	...	98·0	97·1	36·6	11·3	47·8	2,212	54·0	3	0·1
34		Negapatam	59,221	8,460	3	1,882	1,538	3,420	1,786	1,663	909	458	1,602	1	...	304	249	55	...	99·9	81·9	41·3	6·4	47·7	2,633	67·7	40	1·0
35		Nellore	29,336	1,173	1	661	539	1,200	1,140	777	1,002	87	704	69	4	9	9	...	...	91·1	105·0	29·6	0·4	30·0	810	34·1	7	0·3
36		Ongole	10,860	2,715	1	283	262	545	1,200	3,000	564	1,027	2,921	70	69	360	316	33	11	97·7	90·5	49·3	5·3	54·6	3,054	51·5	23	0·4
37		Ootacamund	15,053	1,368	1	597	563	1,160	545	1,094	1,752	212	1,094	...	...	106	37	31	38	100·0	54·4	37·3	1·3	38·6	1,160	39·5	5	0·2
38		Palamcottah	18,686	6,229	1	462	309	771	1,160	484	843	78	401	77	6	61	33	28	...	83·9	54·1	36·9	3·0	40·0	438	30·3	7	0·6
										771	287	169	813	...	1	346	346	...	...	100·0	100·0	54·0	23·0	77·0	992	65·8	1	0·1
										814	575	76	556	17	3	195	175	17	3	97·0	91·1	29·8	9·4	39·1	937	50·1	14	0·7
										576	403																	

* Information for nine months only was available.

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

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 vaccination.	
										Total.	Under 1 year.
1	2	3	4	5	6	7			8	9	10
						Males.	Females.	Total.			
39	Municipalities—*cont.*	Palghat	39,481	4,387	2	1,371	986	2,357	1,178	2,309	1,119
40		Parlákimedi	16,390	5,463	1	444	441	885	885	784	380
41		Periyakulam	16,363	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	1,499	1,484	2,983	1,491	2,967	2,714
45		Srírangam	21,632	3,090	1	560	560	1,120	1,120	988	407
46		Srívilliputtur	29,541	29,541	1	348	414	762	762	740	568
47		Tanjore	54,390	6,799	2	876	939	1,815	907	1,805	962
48		Tellicherry	27,196	6,799	1	714	555	1,269	1,269	1,186	846
49		Tinnevelly	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		Tiruppattúr	16,499	4,125	2	419	426	845	422	826	618
52		Tirupati	14,242	14,242	1	322	268	590	590	526	413
53		Tiruvannamalai ...	13,650	1,186	1	109	74	183	183	164	52
54		Tuticorin	25,107	8,369	1	815	557	1,372	1,372	1,320	576
55		Vániyambádi	15,838	15,838	1	547	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		Vizagapatam	34,487	11,496	1	798	533	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		Wallajapet	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	834	658,733	575,617	1,234,350	1,465	1,161,127	328,955

* 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.

Primary 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
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	89·1	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	31·1	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	44·7	5·9	50·7	1,037	47·9	6	0·3
127	709	26	5	22	9	13	...	96·5	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	96·2	51·3	2·0	53·3	1,274	50·7	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	13,535	2,453	1,391	93·1	84·7	44·7	6·3	51·0	88,852	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	1,031,955	28·9	...	...

A—VACCINE DEPARTMENT.

STATEMENT No. II *showing the Cost of the Department in the Madras Presidency during the official year 1896–97.*

Number.	Districts.	Circles.	Expenditure.														
			Inspector of Vaccination and Deputy Sanitary Commissioner.	Pay.	Deputy Inspectors. First class.	Deputy Inspectors. Second class.	Deputy Inspectors. Pay.	Vaccinators. First class.	Vaccinators. Second class.	Vaccinators. Probationers.	Vaccinators. Pay.	Clerks. Number.	Clerks. Pay.	Peons, &c. Number.	Peons, &c. Pay.	Total pay of establishment.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
				Rs. A. P.			Rs. A. P.				Rs. A. P.		Rs. A. P.		Rs. A. P.	Rs. A. P.
1	Anantapur.	Anantapur circle	...	...	1	...	752 9 9	2	4	4	1,478 7 4	...	...	1	72 0 0	2,303 1 1
2		Penukonda do.	...	...	...	1	464 5 3	1	3	3	1,026 14 5	...	...	1	72 0 0	1,563 3 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
3	Bellary.	Bellary circle	...	...	1	...	843 0 0	6	7	2	1,996 14 2	...	...	1	72 0 0	2,911 14 2
4		Harpanahalli 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
5	Chingleput.	Chingleput circle	...	...	1	...	849 7 6	4	7	3	1,816 1 1	...	...	1	66 0 0	2,731 8 7
6		Saidapet do.	...	...	1	...	834 14 1	4	6	1	1,510 2 2	...	...	1	66 0 0	2,411 0 3
		Total of district ...	...	...	2	...	1,684 5 7	8	13	4	3,326 3 3	...	...	2	132 0 0	5,142 8 10
7	Coimbatore.	North Coimbatore circle ...	...	...	1	...	841 12 5	2	8	2	1,235 6 3	...	...	1	84 0 0	2,161 2 8
8		South do. do. ...	...	...	...	1	473 5 4	3	6	3	1,426 15 8	...	...	1	83 12 5	1,984 1 5
9		East do. do. ...	...	...	1	...	720 0 0	4	10	2	1,829 7 4	...	...	1	84 0 0	2,633 7 4
		Total of district ...	...	...	2	1	2,035 1 9	9	24	7	4,491 13 3	...	...	3	251 12 5	6,778 11 5
10	Cuddapah.	Cuddapah circle	...	...	1	...	804 0 0	4	6	1	1,421 1 5	...	...	10	386 0 0	2,611 1 5
11		Madanapalle do.	...	...	1	...	840 0 0	4	8	2	1,904 4 9	...	...	1	84 0 0	2,828 4 9
12		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
13	Ganjám.	Chatrapur circle	...	...	1	...	822 8 0	4	12	4	2,220 13 4	...	...	1	72 0 0	3,115 5 4
14		Chicacole do.	...	...	1	...	840 0 0	4	8	1	1,794 5 4	...	...	1	70 4 2	2,704 9 6
15		Ganjám Hill tracts	...	...	1	...	720 0 0	3	5	2	1,230 0 2	...	...	1	72 0 0	2,022 0 2
		Total of district ...	...	...	3	...	2,382 8 0	11	25	7	5,245 2 10	...	...	3	214 4 2	7,841 15 0
16	Gódávari.	Ellore circle	...	...	1	...	826 3 3	6	11	3	2,397 4 11	1	97 3 10	1	74 13 10	3,395 9 10
17		Pithápuram circle ...	...	...	...	1	495 4 8	4	10	2	2,030 0 11	...	...	1	83 15 3	2,609 4 10
18		Rajahmundry do. ...	...	...	1	...	705 0 0	3	3	3	969 6 6	1	216 0 0	1	84 0 0	1,739 6 6
		Government vaccinators ...	...	...				4	...	1	1,036 14 4	...	...	...	...	1,271 14 4
		Total of district ...	...	...	2	1	2,026 7 11	17	24	9	6,433 10 8	2	313 3 10	3	242 13 1	9,016 3 6
19	Kistna.	Guntúr circle	...	...	1	...	840 0 0	5	8	5	2,044 11 4	1	47 6 5	1	81 11 1	3,013 12 10
20		Masulipatam circle ...	...	...	1	...	840 0 0	5	7	6	2,156 11 3	1	77 6 0	1	84 0 0	3,158 1 3
21		Vinukonda do. ...	...	...	...	1	480 0 0	3	3	3	1,239 12 8	1	41 9 3	1	83 12 0	1,845 1 11
		Total of district ...	...	...	2	1	2,160 0 0	13	18	14	5,441 3 3	3	166 5 8	3	249 7 1	8,017 0 0
22	Kurnool.	Cumbum circle	...	...	1	...	760 10 4	4	4	4	877 3 3	...	...	5	251 13 4	1,889 10 11
23		Kurnool do.	...	...	1	...	840 0 0	4	4	4	964 4 0	...	...	5	266 2 8	2,070 6 8
		Total of district ...	...	...	2	...	1,600 10 4	8	8	8	1,841 7 3	...	...	10	518 0 0	3,960 1 7
24	Madura.	Dindigul circle	...	...	1	...	817 0 0	5	7	2	2,052 14 0	...	...	1	66 0 0	2,935 14 0
25		Madura do.	...	...	...	1	508 12 1	3	5	3	1,394 10 9	...	...	1	72 0 0	1,975 6 10
26		Paramagudi do.	...	...	1	...	927 11 6	6	10	2	2,547 0 6	...	...	5	340 6 3	3,815 2 3
		Total of district ...	...	...	2	1	2,253 7 7	14	22	7	5,994 9 3	...	...	7	478 6 3	8,726 7 1
27	Malabar.	Tellicherry circle	...	...	...	1	480 0 0	4	9	...	1,658 0 1	1	63 0 0	1	84 0 0	2,285 0 1
28		Calicut do.	...	...	1	...	840 0 0	4	9	2	2,020 3 1	1	63 0 0	1	84 0 0	3,007 3 1
29		Palghat do.	...	...	...	1	480 0 0	5	7	2	1,755 1 0	1	52 7 1	1	94 2 7	2,381 10 8
		Total of district ...	...	...	1	2	1,800 0 0	13	25	4	5,433 4 2	3	178 7 1	3	262 2 7	7,673 13 10
30	Nellore.	Kávali circle	...	...	...	1	480 0 0	3	5	1	1,231 4 6	...	...	1	84 0 0	1,795 4 6
31		Nellore do.	...	...	1	...	783 9 4	3	8	1	1,314 5 8	...	...	1	84 0 0	2,181 15 0
32		Ongole do.	...	...	...	1	475 0 0	3	5	2	1,200 13 9	...	...	1	84 0 0	1,759 13 9
		Total of district ...	...	...	1	2	1,738 9 4	9	18	4	3,746 7 11	...	...	3	252 0 0	5,737 1 3
33	Nilgiris.	Nilgiris	...	...	...	...	...	3	...	1	901 1 7	...	...	...	...	901 1 7
		Total of district ...	...	...	...	...	...	3	...	1	901 1 7	...	...	...	...	901 1 7
34	North Arcot.	Chittoor circle	...	...	1	...	840 0 0	6	6	3	1,932 1 3	...	...	1	84 0 0	2,856 1 3
35		Vellore do.	...	...	1	...	840 0 0	6	5	2	1,765 5 9	...	...	3	194 5 2	2,799 10 11
36		Karvetnagar circle ...	...	...	...	1	469 0 0	3	5	1	1,149 13 1	...	...	1	84 0 0	1,702 13 1
		Total of district ...	...	...	2	1	2,149 0 0	15	16	6	4,847 4 1	...	...	5	362 5 2	7,358 9 3

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					Total.	Number of all successful vaccinations and re-vaccinations.	Average cost of each successful case.
			Travelling allowance.	Contingencies.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zemindaries.			
			18	19	20	21	22	23	24	25	26	27	28
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.		RS. A. P.
1	Anantapur.	Anantapur circle	293 15 6	683 9 7	3,280 10 2	...	...	3,280 10 2	...	...	3,280 10 2	8,609	0 6 1
2		Penukonda do.	183 14 3	581 15 8	2,329 1 7	...	...	2,329 1 7	...	...	2,329 1 7	7,175	0 5 2
		Total of district ...	477 13 9	1,265 9 3	5,609 11 9	...	...	5,609 11 9	...	...	5,609 11 9	15,784	0 5 8
3	Bellary.	Bellary circle	1,461 8 6	1,343 1 0	5,716 7 8	...	...	5,716 7 8	...	...	5,716 7 8	16,554	0 5 6
4		Harpanahalli circle ...	897 3 9	103 8 0	2,566 12 9	...	...	2,566 12 9	...	...	2,566 12 9	10,082	0 4 1
		Total of district ...	2,358 12 3	1,446 9 0	8,283 4 5	...	...	8,283 4 5	...	...	8,283 4 5	26,636	0 5 0
5	Chingleput.	Chingleput circle	694 6 3	786 12 4	4,212 11 2	...	...	4,212 11 2	...	...	4,212 11 2	25,941	0 2 7
6		Saidapet do.	738 2 1	648 1 0	3,797 3 4	...	...	3,797 3 4	...	...	3,798 1 0	18,229	0 3 4
		Total of district ...	1,432 8 4	1,434 13 4	8,009 14 6	...	...	8,009 14 6	...	...	8,009 14 6	44,170	0 2 11
7	Coimbatore.	North Coimbatore circle...	303 10 0	139 13 6	2,604 10 2	...	...	2,604 10 2	...	...	2,604 10 2	17,470	0 2 5
8		South do. do. ...	222 5 0	735 6 7	2,941 13 0	...	...	2,941 13 0	...	...	2,941 13 0	20,666	0 2 3
9		East do. do. ...	278 15 6	215 9 4	3,128 0 2	...	...	3,128 0 2	...	...	3,128 0 2	25,205	0 2 0
		Total of district ...	804 14 6	1,090 13 5	8,674 7 4	...	...	8,674 7 4	...	...	8,674 7 4	63,341	0 2 2
10	Cuddapah.	Cuddapah circle	1,139 6 6	286 4 7	4,036 12 6	...	...	4,036 12 6	...	...	4,036 12 6	11,362	0 5 8
11		Madanapalle do.	1,218 10 9	979 9 1	5,026 8 7	...	...	5,026 8 7	...	...	5,026 8 7	17,622	0 4 7
12		Sidhout do.	854 14 5	356 13 2	3,199 9 8	...	...	3,199 9 8	...	...	3,199 9 8	9,882	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	38,866	0 4 11
13	Ganjám.	Chatrapur circle	282 5 6	100 7 0	3,498 1 10	...	...	3,498 1 10	...	...	3,498 1 10	19,204	0 2 11
14		Chicacole do.	254 5 0	1,090 7 6	4,049 6 0	...	...	4,049 6 0	...	...	4,049 6 0	15,792	0 4 1
15		Ganjám Hill tracts ...	511 12 0	117 8 0	2,651 4 2	...	2,651 4 2	...	...	...	2,651 4 2	7,875	0 5 5
		Total of district ...	1,048 6 6	1,308 6 6	10,198 12 0	...	2,651 4 2	7,547 7 10	...	...	10,198 12 0	42,871	0 3 10
16	Gódávari.	Ellore circle	1,368 4 0	1,640 13 1	6,404 10 11	...	...	6,404 10 11	...	...	6,404 10 11	26,501	0 3 10
17		Pithápuram circle ...	924 0 0	770 3 11	4,303 8 9	...	...	4,303 8 9	...	...	4,303 8 9	15,496	0 4 5
18		Rajahmundry do. ...	600 15 8	757 3 9	3,097 9 11	...	...	3,097 9 11	...	...	3,097 9 11	5,538	0 8 11
		Government vaccinators...	629 7 6	268 6 6	2,169 12 4	...	2,169 12 4	...	...	...	2,169 12 4	3,118	0 11 1
		Total of district ...	3,522 11 2	3,436 11 3	15,975 9 11	...	2,169 12 4	13,805 13 7	...	...	15,975 9 11	50,653	0 5 1
19	Kistna.	Guntúr circle	778 1 3	168 3 7	3,960 1 8	...	...	3,960 1 8	...	...	3,960 1 8	22,809	0 2 9
20		Masulipatam circle ...	1,058 5 3	566 13 2	4,783 3 8	...	...	4,783 3 8	...	...	4,783 3 8	28,279	0 2 8
21		Vinukonda do. ...	540 14 0	102 6 0	2,488 5 11	...	...	2,488 5 11	...	...	2,488 5 11	12,232	0 3 3
		Total of district ...	2,377 4 6	837 6 9	11,231 11 3	...	...	11,231 11 3	...	...	11,231 11 3	63,320	0 2 10
22	Kurnool.	Cumbum circle	586 1 3	729 12 8	3,205 8 10	...	...	3,205 8 10	...	...	3,205 8 10	12,128	0 4 3
23		Kurnool do.	656 10 6	660 12 6	3,387 13 8	...	...	3,387 13 8	...	...	3,387 13 8	13,176	0 4 1
		Total of district ...	1,242 11 9	1,390 9 2	6,593 6 6	...	...	6,593 6 6	...	...	6,593 6 6	25,304	0 4 2
24	Madura.	Dindigul circle	222 11 0	1,049 14 3	4,208 7 3	...	...	4,208 7 3	...	...	4,208 7 3	29,789	0 2 3
25		Madura do.	194 10 0	1,176 0 10	3,346 1 8	...	...	3,346 1 8	...	...	3,346 1 8	19,808	0 2 8
26		Paramagudi do.	285 0 0	895 7 8	4,995 9 11	...	...	4,995 9 11	...	...	4,995 9 11	33,988	0 2 4
		Total of district ...	702 5 0	3,121 6 9	12,550 2 10	...	...	12,550 2 10	...	...	12,550 2 10	83,585	0 2 5
27	Malabar.	Tellicherry circle	421 15 0	195 4 4	2,902 3 5	...	...	2,902 3 5	...	...	2,902 3 5	11,067	0 4 2
28		Calicut do.	440 10 7	136 5 2	3,584 2 10	...	...	3,584 2 10	...	...	3,584 2 10	13,628	0 4 2
29		Palghat do.	576 6 6	689 7 6	3,647 8 8	...	...	3,647 8 8	...	...	3,647 8 8	13,547	0 4 4
		Total of district ...	1,439 0 1	1,021 1 0	10,133 14 11	...	...	10,133 14 11	...	...	10,133 14 11	38,242	0 4 3
30	Nellore.	Kavali circle	562 13 0	34 3 0	2,392 4 6	...	...	2,392 4 6	...	...	2,392 4 6	8,342	0 4 7
31		Nellore do.	592 13 0	142 3 11	2,916 15 11	...	...	2,916 15 11	...	...	2,916 15 11	12,936	0 3 7
32		Ongole do.	569 1 0	106 9 9	2,435 8 6	...	...	2,435 8 6	...	...	2,435 8 6	9,685	0 4 0
		Total of district ...	1,724 11 0	283 0 8	7,744 12 11	...	...	7,744 12 11	...	...	7,744 12 11	30,963	0 4 0
33	Nilgiris.	Nilgiris	325 11 0	366 14 3	1,593 10 10	...	...	1,593 10 10	...	...	1,593 10 10	4,256	0 6 0
		Total of district ...	325 11 0	366 14 3	1,593 10 10	...	...	1,593 10 10	...	...	1,593 10 10	4,256	0 6 0
34	North Arcot.	Chittoor circle	955 6 6	1,051 15 11	4,863 7 8	...	...	4,863 7 8	...	...	4,863 7 8	18,383	0 4 3
35		Vellore do.	837 9 0	912 4 11	4,549 8 10	...	...	4,549 8 10	...	...	4,549 8 10	14,533	0 4 10
36		Karvetnagar circle ...	844 9 6	1,017 10 6	3,565 1 1	...	...	3,565 1 1	...	...	3,565 1 1	20,202	0 2 10
		Total of district ...	2,637 9 0	2,981 15 4	12,978 1 7	...	...	12,978 1 7	...	...	12,978 1 7	53,118	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.

Number.	Districts.	Circles.	Expenditure.														
			Inspector of Vaccination and Deputy Sanitary Commissioner.	Pay.	Deputy Inspectors.			Vaccinators.				Clerks.		Peons, &c.		Total pay of establishment.
					First class.	Second class.	Pay.	First class.	Second class.	Probationers.	Pay.	Number.	Pay.	Number.	Pay.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
				RS. A. P.			RS. A. P.				RS. A. P.		RS. A. P.		RS. A. P.	RS. A. P.
37	Madras.	Madras Presidency ...	1	12,614 11 1	...	...	...	...	...	...	...	...	...	...	...	12,614 11 1
		Total of district ...	1	12,614 11 1	...	...	...	...	...	...	...	...	...	...	...	12,614 11 1
38	Salem.	Krishnagiri circle	...	...	...	1	480 0 0	3	6	3	1,374 12 1	...	...	1	84 0 0	1,938 12 1
39		Salem do.	...	...	1	...	840 0 0	3	11	3	2,040 11 8	...	...	1	67 2 10	2,947 14 6
40		Námakkal do.	...	...	...	1	480 0 0	3	11	3	1,868 9 10	...	...	1	84 0 0	2,432 9 10
		Total of district ...	...	...	1	2	1,800 0 0	9	28	9	5,284 1 7	...	...	3	235 2 10	7,319 4 5
41	South Arcot.	Cuddalore circle ...	...	...	1	...	750 0 0	8	8	...	2,576 8 4	1	30 0 0	1	96 0 0	3,452 8 4
42		Vriddhachalam circle ...	...	...	...	1	480 0 0	7	6	2	1,342 2 10	...	...	1	96 0 0	1,918 2 10
43		Tiruvannámalai do. ...	...	...	...	1	240 0 0	4	4	1	648 14 9	...	...	1	22 13 10	911 12 7
		Total of district ...	...	...	1	2	1,470 0 0	19	18	3	4,567 9 11	1	30 0 0	3	214 13 10	6,282 7 9
44	South Canara.	No. I. South Canara circle.	...	...	1	...	677 8 2	3	5	6	2,397 7 7	...	...	1	96 0 0	3,170 15 9
45		No. II, do. do. ...	...	...	...	1	568 14 8	2	4	4	1,570 6 3	...	...	1	84 0 0	2,223 4 11
		Total of district ...	...	...	1	1	1,246 6 10	5	9	10	3,967 13 10	...	...	2	180 0 0	5,394 4 8
46	Tanjore.	Negapatam circle	...	...	1	...	715 0 0	4	10	1	2,121 8 7	...	...	1	84 0 0	2,920 8 7
47		Tanjore do.	...	...	1	...	840 0 0	5	14	3	2,741 12 5	...	...	1	84 0 0	3,665 12 5
		Total of district ...	...	...	2	...	1,555 0 0	9	24	4	4,863 5 0	...	...	2	168 0 0	6,586 5 0
48	Tinnevelly.	Sáttúr circle	...	...	...	1	480 0 0	2	6	3	1,135 8 3	...	...	5	300 13 3	1,916 5 6
49		Sérmádévi circle	...	...	...	1	480 0 0	2	4	5	1,262 3 10	...	...	5	324 0 0	2,066 3 10
50		Tinnevelly do.	...	...	1	...	753 3 8	3	5	7	1,725 14 4	...	...	6	394 3 7	2,873 5 7
		Total of district ...	...	...	1	2	1,713 3 8	7	15	15	4,123 10 5	...	...	16	1,019 0 10	6,855 14 11
51	Trichinopoly.	Trichinopoly circle ...	...	...	1	...	640 3 10	8	8	2	2,126 0 8	...	...	10	511 8 2	3,277 12 8
		Total of district ...	...	...	1	...	640 3 10	8	8	2	2,126 0 8	...	...	10	511 8 2	3,277 12 8
52	Vizagapatam.	Gunupur circle	...	...	...	1	... *	1	1	1	... *	...	...	1	... *	... *
		Zemindari vaccinators ...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
53		Jeypore circle	...	...	1	...	399 9 1	2	3	1	866 12 0	...	...	1	72 13 7	1,339 2 8
		Zemindari vaccinators ...	...	...	...	...	...	5	2	...	657 14 10	...	...	...	...	657 14 10
		Total of Hill tracts ...	...	...	1	1	399 9 1	8	9	2	1,524 10 10	...	...	2	72 13 7	1,997 1 6
54		Vizagapatam circle ...	...	...	...	1	480 0 0	6	5	3	1,903 11 3	...	...	2	87 0 0	2,470 11 3
		Government vaccinators (Gudem hills).	...	...	...	...	...	...	1	...	109 0 6	...	...	...	...	109 0 6
55		Vizianagram circle ...	...	...	1	...	710 0 0	8	8	3	2,706 10 8	...	...	2	132 0 0	3,548 10 8
		Total of district ...	...	...	2	2	1,589 9 1	22	23	8	6,244 1 3	..	...	6	291 13 7	8,125 7 11
		Grand Total of districts ...	1	12,614 11 1	33	20	34,749 0 6	222	355	136	88,903 15 9	9	688 0 7	100	6,425 10 0	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.

Number.	Districts.	Circles.	Expenditure—cont. Travelling allowance.	Expenditure—cont. Contingencies.	Expenditure—cont. Total cost.	Paid from: Imperial funds.	Paid from: Provincial funds.	Paid from: Local funds.	Paid from: Municipal funds.	Paid from: Zemindaries.	Total.	Number of all successful vaccinations and re-vaccinations.	Average cost of each successful case.
			18	19	20	21	22	23	24	25	26	27	28
37	Madras.	Madras Presidency ...	Rs. A. P. 1,650 13 0	Rs. A. P. ...	Rs. A. P. 14,265 8 1	Rs. A. P. ...	Rs. A. P. 14,265 8 1	Rs. A. P. ...	Rs. A. P. ...	Rs. A. P. ...	Rs. A. P. 14,265 8 1	...	Rs. A. P. ...
		Total of district ...	1,650 13 0	...	14,265 8 1	...	14,265 8 1	...	...	...	14,265 8 1	...	...
38	Salem.	Krishnagiri circle ...	190 6 0	312 15 1	2,442 1 2	...	...	2,442 1 2	...	...	2,442 1 2	17,321	0 2 3
39		Salem do. ...	233 12 3	421 12 11	3,603 7 8	...	...	3,603 7 8	...	...	3,603 7 8	26,186	0 2 2
40		Námakkal do. ...	191 2 6	487 6 2	3,111 2 6	...	...	3,111 2 6	...	...	3,111 2 6	25,991	0 1 11
		Total of district ...	615 4 9	1,222 2 2	9,156 11 4	...	...	9,156 11 4	...	...	9,156 11 4	69,498	0 2 1
41	South Arcot.	Cuddalore circle	1,287 2 0	1,575 0 6	6,314 10 10	...	...	6,314 10 10	...	...	6,314 10 10	31,761	0 3 2
42		Vriddhachalam circle ...	906 4 0	123 4 1	2,947 10 11	...	...	2,947 10 11	...	...	2,947 10 11	17,439	0 2 8
43		Tiruvannámalai do. ...	322 14 0	40 10 0	1,275 4 7	...	...	1,275 4 7	...	...	1,275 4 7	10,026	0 2 0
		Total of district ...	2,516 4 0	1,738 14 7	10,537 10 4	..	...	10,537 10 4	...	...	10,537 10 4	59,226	0 2 10
44	South Canara.	No. I, South Canara circle.	501 3 0	100 6 8	3,772 9 5	...	...	3,772 9 5	...	...	3,772 9 5	21,042	0 2 10
45		No. II, do. do.	579 12 11	101 6 10	2,904 8 8	...	...	2,904 8 8	...	...	2,904 8 8	14,423	0 3 3
		Total of district ...	1,080 15 11	201 13 6	6,677 2 1	...	...	6,677 2 1	...	...	6,677 2 1	35,465	0 3 0
46	Tanjore.	Negapatam circle ...	355 0 0	944 9 3	4,220 1 10	...	...	4,220 1 10	...	...	4,220 1 10	22,073	0 3 1
47		Tanjore do. ...	368 1 6	1,218 2 6	5,252 0 5	...	...	5,252 0 5	...	...	5,252 0 5	23,653	0 3 7
		Total of district ...	723 1 6	2,162 11 9	9,472 2 3	...	...	9,472 2 3	...	...	9,472 2 3	45,726	0 3 4
48	Tinnevelly.	Sáttúr circle	573 6 9	611 12 4	3,101 8 7	...	...	3,101 8 7	...	...	3,101 8 7	19,964	0 2 6
49		Sérmádévi circle	596 8 6	620 14 4	3,283 10 8	...	...	3,283 10 8	...	...	3,283 10 8	20,973	0 2 6
50		Tinnevelly do.	795 10 10	818 11 5	4,487 11 10	...	...	4,487 11 10	...	...	4,487 11 10	26,542	0 2 8
		Total of district ...	1,965 10 1	2,051 6 1	10,872 15 1	...	...	10,872 15 1	...	...	10,872 15 1	67,479	0 2 7
51	Trichinopoly.	Trichinopoly circle ...	256 13 0	1,464 4 2	4,998 13 10	...	...	4,998 13 10	...	...	4,998 13 10	35,017	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	Vizagapatam.	Gunupur circle	*	*	*	...		*	...	...	...	1,989	*
		Zemindari vaccinators ...	...	...	...	...	...	...	...	...	...	1,522	...
53		Jeypore circle	626 12 0	247 13 6	2,213 12 2	...	2,213 12 2	...	...	...	2,213 12 2	4,007	0 8 10
		Zemindari vaccinators ...	314 15 6	...	972 14 4	...	...	...	...	972 14 4	972 14 4	4,904	0 3 2
		Total of Hill tracts ...	941 11 6	247 13 6	3,186 10 6	...	2,213 12 2	...	...	972 14 4	3,186 10 6	12,422	0 5 9
54		Vizagapatam 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 (Gudem hills).	115 0 0	29 10 3	253 10 9	...	253 10 9	...	...	...	253 10 9	571	0 7 1
55		Vizianagram circle ...	464 10 6	4,185 2 0	8,198 7 2	...	...	8,198 7 2	...	...	8,198 7 2	51,924	0 2 6
		Total of district ...	1,716 12 9	6,929 1 5	16,771 6 1	...	2,467 6 11	13,331 0 10	...	972 14 4	16,771 6 1	90,054	0 3 1
		Grand Total of districts ...	33,833 1 6	37,378 5 2	2,14,592 12 7	...	21,553 15 6	1,92,065 14 9	...	972 14 4	2,14,592 12 7	983,574	0 3 6

* 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.

Number.			Expenditure.														
			Inspector of Vaccination and Deputy Sanitary Commissioner.	Pay.	Deputy Inspectors.			Vaccinators.				Clerks.		Peons, &c.		Total pay of Establishment.
					First class.	Second class.	Pay.	First class.	Second class.	Probationers.	Pay.	Number.	Pay.	Number.	Pay.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
				RS. A. P.			RS. A. P.				RS. A. P.		RS. A. P.		RS. A. P.	RS. A. P.
1	Municipalities	Ádóni	...	...	...	...	...	1	...	...	180 0 0	...	...	...	...	180 0 0
2		Anantapur	...	...	...	...	...	*1	...	...	...	...	...	...	...	...
3		Anakápalle	...	...	...	...	...	...	1	...	120 0 0	...	...	...	...	120 0 0
4		Bellary	...	...	...	...	...	2	1	...	568 8 0	...	...	...	...	568 8 0
5		Berhampur	...	...	...	...	...	1	...	1	229 0 9	...	...	...	...	229 0 9
6		Bezwada	...	...	...	...	...	1	...	...	180 0 0	...	...	2	108 6 5	288 6 5
7		Bimlipatam	...	...	...	...	...	...	1	...	180 0 0	...	...	...	...	180 0 0
8		Calicut	...	...	...	...	...	1	3	...	575 11 7	...	...	...	...	575 11 7
9		Cannanore	...	...	...	...	...	1	1	...	311 8 0	...	...	...	...	311 8 0
10		Chicacole	...	...	...	...	...	1	...	...	180 0 0	...	...	...	...	180 0 0
11		Chidambaram	...	...	...	...	...	1	...	...	180 0 0	...	...	...	...	180 0 0
12		Chingleput	...	...	...	...	...	...	...	1	45 15 0	...	...	...	...	45 15 0
13		Cochin	...	...	...	...	...	1	...	...	180 0 0	...	...	...	...	180 0 0
14		Cocanada	...	...	...	...	...	1	...	1	309 4 0	...	...	2	71 8 0	380 12 0
15		Coimbatore	...	...	...	...	...	...	2	...	239 15 0	...	...	...	...	239 15 0
16		Conjeeveram	...	...	...	...	...	...	1	1	228 0 0	...	...	1	20 11 9	248 11 9
17		Coonoor	...	...	...	...	...	1	...	...	216 0 0	...	...	...	...	216 0 0
18		Cuddalore	...	...	...	...	...	1	...	1	264 0 0	...	...	...	...	264 0 0
19		Cuddapah	...	...	...	...	...	...	1	...	107 0 0	...	...	...	...	107 0 0
20		Dindigul	...	...	...	...	...	...	1	...	119 4 0	...	...	1	60 0 0	179 4 0
21		Ellore	...	...	...	...	...	1	1	...	298 7 4	...	...	...	...	298 7 4
22		Erode	...	...	...	...	...	1	...	...	180 0 0	...	...	...	...	180 0 0
23		Gudiyáttam	...	...	...	...	...	...	1	...	120 0 0	...	...	...	...	120 0 0
24		Guntúr	...	...	...	...	...	1	...	...	216 0 0	...	...	1	72 0 0	288 0 0
25		Karúr	...	...	...	...	...	1	...	...	180 0 0	...	...	...	...	180 0 0
26		Kumbakónam	...	...	...	...	...	1	1	...	300 0 0	...	...	...	...	300 0 0
27		Kurnool	...	1	†4	2,218 2 2	8	8	8	3,333 7 7	1	236 0 0	‡ 19	783 4 10	6,570 14 7	
28		Madras	...	...	...	...	...	3	...	...	335 8 8	...	...	...	...	335 8 8
29		Madura	...	...	...	...	...	1	...	...	117 11 10	...	...	...	...	117 11 10
30		Mannárgudi	...	...	...	...	...	...	1	...	276 0 0	...	...	...	...	276 0 0
31		Mangalore	...	...	...	...	1	...	...	1	330 0 0	...	...	1	65 0 0	395 0 0
32		Masulipatam	...	...	...	...	...	1	1	...	179 14 0	...	...	1	21 0 0	200 14 0
33		Máyavaram	...	...	...	...	...	1	...	...	526 9 4	...	...	...	...	526 9 4
34		Negapatam	...	...	...	...	...	1	2	...	194 11 4	...	...	...	...	194 11 4
35		Nellore	...	...	...	...	...	1	...	...	151 5 0	...	...	...	...	151 5 0
36		Ongole	...	...	...	...	...	...	1	...	216 0 0	...	...	...	...	216 0 0
37		Ootacamund	...	...	...	...	...	1	...	...	180 0 0	...	...	1	59 8 0	239 8 0
38		Palamcottah	...	...	...	...	...	1	1	...	286 9 0	...	...	...	...	286 9 0
39		Palghat	...	...	...	...	...	1	...	...	175 0 0	...	...	...	...	175 0 0
40		Parlákimedi	...	...	...	...	...	1	...	...	120 0 0	...	...	1	27 10 8	147 10 8
41		Periyakulam	...	...	...	...	...	...	1	...	116 8 8	...	...	...	...	116 8 8
42		Palni	...	...	...	...	...	...	1	...	334 13 2	...	...	...	...	334 13 2
43		Rajahmundry	...	...	...	...	...	1	1	...	300 0 0	...	...	...	...	300 0 0
44		Salem	...	...	...	...	...	1	...	...	177 6 0	...	...	...	...	177 6 0
45		Srírangam	...	...	...	...	...	...	1	...	116 12 1	...	...	1	47 9 3	164 5 4
46		Srívilliputtúr	...	...	...	...	...	...	2	...	238 13 11	...	...	...	...	238 13 11
47		Tanjore	...	...	...	...	...	...	1	...	167 8 8	...	...	1	72 0 0	239 8 8
48		Tellicherry	...	...	...	...	...	1	...	...	180 0 0	...	...	1	60 0 0	240 0 0
49		Tinnevelly	...	...	...	...	...	1	4	...	597 7 11	...	...	1	36 0 0	633 7 11
50		Trichinopoly	...	...	...	...	...	...	2	...	144 0 0	...	...	...	...	144 0 0
51		Tiruppattúr	...	...	...	...	...	...	1	...	194 8 6	...	...	1	52 4 2	246 12 8
52		Tirupati	...	...	...	...	...	...	1	...	36 3 6	...	...	...	...	36 3 6
53		Tiruvannamalai	...	...	...	...	...	1	...	...	180 0 0	...	...	1	60 0 0	240 0 0
54		Tuticorin	...	...	...	...	...	...	1	...	144 0 0	...	...	...	...	144 0 0
55		Vániyambádi	...	...	...	...	...	2	...	...	360 0 0	...	...	...	...	360 0 0
56		Vellore	...	...	...	...	...	1	...	...	204 4 10	...	...	...	...	204 4 10
57		Vizagapatam	...	...	...	...	...	1	...	...	180 0 0	...	...	...	...	180 0 0
58		Vizianagram	...	...	...	...	...	...	1	...	122 4 2	...	...	...	...	122 4 2
59		Wálajápet	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Total of Municipalities	...	...	1	4	2,218 2 2	48	49	14	16,106 1 10	1	236 0 0	37	1,688 15 1	20,249 3 1
1 to 2	Military Cantonments.	Bangalore	...	...	...	1	480 0 0	1	1	...	336 0 0	...	...	...	...	336 0 0
		Secunderabad	...	...	...			1	2	1	615 6 2	...	...	3	204 0 0	1,229 6 2
		Total	...	...	...	1	480 0 0	2	3	1	951 6 2	...	...	3	204 0 0	1,635 6 2
		Grand Total	...	1	12,614 11 1	34	25	37,447 2 8	272	407	151	1,05,961 7 9	10	924 0 7	140	8,318 9 1	1,65,265 15 2

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

A—VACCINE DEPARTMENT.

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

Number.	Municipalities	—	Expenditure—*cont.* Travelling allowance.	Contingencies.	Total cost.	Paid from: Imperial funds.	Provincial funds.	Local funds.	Municipalities.	Zemindaries.	Total.	Number of all successful vaccinations and re-vaccinations.	Average cost of each successful case.
			18	19	20	21	22	23	24	25	26	27	28
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.		RS. A. P.
1	Municipalities	Ádóni	5 8 0	67 11 0	253 3 0	...	...	...	253 3 0	...	253 3 0	1,271	0 3 2
2		Anantapur	...	36 11 10	36 11 10	...	...	...	36 11 10	...	36 11 10	452	0 1 4
3		Anakápalle	...	39 3 0	159 3 0	...	...	...	159 3 0	...	159 3 0	1,185	0 2 2
4		Bellary	...	185 8 0	754 0 0	...	...	...	754 0 0	...	754 4 0	2,833	0 4 3
5		Berhampur	...	161 11 3	390 12 0	...	...	...	390 12 0	...	390 12 0	857	0 7 4
6		Bezwada	...	238 5 1	526 11 6	...	...	...	526 11 6	...	526 11 6	1,447	0 5 10
7		Bimlipatam	...	24 12 0	204 12 0	...	...	...	204 12 0	...	204 12 0	504	0 6 6
8		Calicut	10 8 0	464 11 3	1,050 14 10	...	...	...	1,050 14 10	...	1,050 14 10	6,022	0 2 10
9		Cannanore	...	101 8 7	413 0 7	...	...	...	413 0 7	...	413 0 7	1,266	0 5 1
10		Chicacole	...	29 4 2	209 4 2	...	...	...	209 4 2	...	209 4 2	484	0 6 11
11		Chidambaram	...	164 9 5	344 9 5	...	...	...	344 9 5	...	344 9 5	632	0 8 9
12		Chingleput	...	28 6 6	74 5 6	...	...	...	74 5 6	...	74 5 6	246	0 4 10
13		Cochin	...	181 2 0	361 2 0	...	...	...	361 2 0	...	361 2 0	1,069	0 5 5
14		Cocanada	3 8 0	231 13 4	616 1 4	...	...	...	616 1 4	...	616 1 4	1,799	0 5 5
15		Coimbatore	...	84 4 5	324 3 5	...	...	...	324 3 5	...	324 3 5	2,067	0 2 6
16		Conjeeveram	7 2 0	341 10 3	597 8 0	...	...	...	597 8 0	...	597 8 0	1,972	0 4 10
17		Coonoor	...	43 15 0	259 15 0	...	...	...	259 15 0	...	259 15 0	619	0 6 9
18		Cuddalore	...	...	264 0 0	...	...	...	264 0 0	...	264 0 0	2,316	0 1 10
19		Cuddappah	...	48 4 6	155 4 6	...	...	...	155 4 6	...	155 4 6	492	0 5 1
20		Dindigul	...	112 7 0	291 11 0	...	...	...	291 11 0	...	291 11 0	1,009	0 4 8
21		Ellore	...	303 4 8	601 12 0	...	...	...	601 12 0	...	601 12 0	1,759	0 5 6
22		Erode	...	10 6 6	190 6 6	...	...	...	190 6 6	...	190 6 6	592	0 5 2
23		Gudiyáttam	...	154 6 0	274 6 0	...	...	...	274 6 0	...	274 6 0	757	0 5 10
24		Guntúr	6 1 0	78 4 3	372 5 3	...	...	...	372 5 3	...	372 5 3	1,044	0 5 8
25		Karúr	...	21 4 3	201 4 3	...	...	...	201 4 3	...	201 4 3	521	0 6 2
26		Kumbakónam	...	458 3 1	758 3 1	...	...	...	758 3 1	...	758 3 1	1,475	0 8 3
27		Kurnool	...	358 13 0	610 13 0	...	...	...	610 13 0	...	610 13 0	1,231	0 7 11
28		Madras	240 0 0	4,978 8 4	11,789 6 11	...	...	...	11,789 6 11	...	11,789 6 11	24,813	0 6 0
29		Madura	...	309 0 11	644 9 7	...	...	...	644 9 7	...	644 9 7	5,750	0 1 10
30		Mannárgudi	...	77 8 2	195 4 0	...	...	...	195 4 0	...	195 4 0	583	0 5 4
31		Mangalore	...	111 13 1	387 13 1	...	...	...	387 13 1	...	387 13 1	1,957	0 3 2
32		Masulipatam	...	255 1 4	650 1 4	...	...	...	650 1 4	...	650 1 4	1,851	0 5 7
33		Máyavaram	0 14 0	78 14 7	280 10 7	...	...	...	280 10 7	...	280 10 7	713	0 6 4
34		Nagapatam	...	286 2 0	812 11 4	...	...	...	812 11 4	...	812 11 4	3,237	0 4 0
35		Nellore	...	162 4 7	356 15 11	...	...	...	356 15 11	...	356 15 11	1,131	0 5 0
36		Ongole	...	83 8 0	234 13 0	...	...	...	234 13 0	...	234 13 0	434	0 8 8
37		Ootacamund	...	168 14 4	384 14 4	...	...	...	384 14 4	...	384 14 4	1,159	0 5 4
38		Palamcottah	...	61 13 1	301 5 1	...	...	...	301 5 1	...	301 5 1	731	0 6 7
39		Palghat	...	210 2 3	496 11 3	...	...	...	496 11 3	...	496 11 3	2,337	0 3 5
40		Parlákimedi	...	29 0 9	204 0 9	...	...	...	204 0 9	...	204 0 9	715	0 4 7
41		Periyakulam	...	123 7 7	271 2 3	...	...	...	271 2 3	...	271 2 3	843	0 5 2
42		Palni	...	153 15 6	270 8 2	...	...	...	270 8 2	...	270 8 2	850	0 5 1
43		Rajahmundry	...	289 0 6	623 13 8	...	...	...	623 13 8	...	623 13 8	1,676	0 5 11
44		Salem	...	146 4 0	446 4 0	...	...	...	446 4 0	...	446 4 0	2,953	0 2 5
45		Srirangam	...	102 4 2	279 10 2	...	...	...	279 10 2	...	279 10 2	1,096	0 4 1
46		Srivilliputtúr	...	234 13 6	399 2 10	...	...	...	399 2 10	...	399 2 10	718	0 8 11
47		Tanjore	...	341 15 0	580 12 11	...	...	...	580 12 11	...	580 12 11	1,737	0 5 4
48		Tellicherry	...	115 1 9	354 10 5	...	...	...	354 10 5	...	354 10 5	1,093	0 5 2
49		Tinnevelly	...	183 3 4	423 3 4	...	...	...	423 3 4	...	423 3 4	1,170	0 5 9
50		Trichinopoly	...	436 1 0	1,069 8 11	...	...	...	1,069 8 11	...	1,069 8 11	7,283	0 2 4
51		Tiruppattúr	...	75 1 0	219 1 0	...	...	...	219 1 0	...	219 1 0	840	0 4 2
52		Tirupati	9 9 0	134 1 5	390 7 1	...	...	...	390 7 1	...	390 7 1	533	0 11 9
53		Tiruvannámalai	...	9 6 9	45 10 3	...	...	...	45 10 3	...	45 10 3	161	0 4 6
54		Tuticorin	...	111 0 0	351 0 0	...	...	...	351 0 0	...	351 0 0	1,338	0 4 2
55		Vániyambádi	...	87 9 10	231 9 10	...	...	...	231 9 10	...	231 9 10	1,007	0 3 8
56		Vellore	...	339 4 2	699 4 2	...	...	...	699 4 2	...	699 4 2	1,954	0 5 9
57		Vizagapatam	1 0 0	141 8 1	346 12 11	...	...	...	346 12 11	...	346 12 11	1,129	0 4 11
58		Vizianagram	...	148 10 0	328 10 0	...	...	...	328 10 0	...	328 10 0	1,807	0 2 11
59		Wálajápet	1 2 0	126 0 8	249 6 10	...	...	...	249 6 10	...	249 6 10	404	0 9 11
		Total of Municipalities ...	285 4 0	14,082 0 0	34,616 7 1	...	...	...	34,616 7 1	...	34,616 7 1	1,09,924	0 5 0
1	Military Cantonments.	Bangalore	...	9 9 0	345 9 0	345 9 0	...	...	...	...	345 9 0	674	0 8 2
2		Secunderabad	267 6 5	384 5 5	1,951 2 0	*1951 2 0	...	...	...	...	1,951 2 0	3,716	0 8 5
		Total ...	267 6 5	393 14 5	2,296 11 0	2,296 11 0	...	...	...	...	2,296 11 0	4,390	0 8 4
		Grand Total ...	34,385 11 11	51,854 3 7	2,51,505 14 8	2,296 11 0	21,553 15 6	1,92,065 14 9	34,616 7 1	972 14 4	2,51,505 14 8	10,97,885	†0 3 8

* Paid from Local Abkári Funds.

† Inclusive of the pay and allowances of the Inspector of Vaccination and Deputy Sanitary Commissioner.

APPENDIX.

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 6 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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bukkapatnam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dharmavaram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gooty	...	...	30	...	...	...	...	...	...	...	...	...	...	...	...	...
Hindúpur	...	...	...	...	30	11	18	29	1	...	...	...	...	...	...	...
Kalyandrug	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madakasíra	...	...	21	...	...	...	...	...	...	...	...	...	...	...	...	...
Pamidy	...	...	...	...	21	5	11	18	3	...	...	...	...	...	96·7	...
Penukonda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tadpatri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Uravakonda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	51	...	51	16	29	47	4	...	...	...	...	...	85·7	...
Bellary District.															...	...
Ádóni	...	...	17	...	11	Information not available.									92·2	...
Alúr	...	...	...	...	...			6	4	1	6	4	1	1	60·0	80·0
Bellary	...	...	...	...	...			...	...	...	...	...	...	...	...	...
Brucepettah	...	...	...	...	...			2	...	...	...	...	...	...	...	...
Cowl Bazaar	...	...	...	...	...			42	1	...	2	2	...	...	...	...
Hospet	...	...	2	...	...			...	...	...	...	...	...	...	...	...
Hadagally	...	...	45	...	2			14	5	2	...	...	...	...	100·0	...
Harpanahalli ...	...	...	...	...	43			4	...	...	...	...	...	...	97·7	100·0
Helalagundi	...	...	21	...	...			18	2	...	...	...	...	...	...	...
Kanékallu	...	...	4	...	21			...	...	...	...	...	...	...	73·7	...
Kúdligi	...	...	...	...	4			23	1	1	...	...	...	...	100·0	...
Kottur	...	...	20	...	...			8	...	...	...	...	...	...	...	...
Kumpli	...	...	...	...	20			...	...	...	...	...	...	...	90·0	...
Kurugódu	...	...	25	...	...			8	...	...	...	...	...	...	...	...
Rayadrug	...	...	...	...	25			...	...	...	...	...	...	...	95·8	...
Sundúr	...	...	8	...	...			4	1	2	...	...	...	...	...	...
Siruguppa	...	...	...	...	8			...	...	...	...	...	...	...	100·0	...
Yemmiganúr ...	...	...	7	...	...			...	...	...	...	...	...	...	...	...
Total ...	...	...	149	...	141	...	...	121	14	6	8	6	1	1	89·6	85·7
Chingleput District.																
Chingleput	...	...	108	...	...	...	...	...	...	...	...	...	...	...	...	...
Conjeeveram	...	...	224	...	81	57	11	77	2	2	27	22	4	1	97·5	84·6
Cheyur	...	...	6	...	224	13	110	224	...	...	...	...	...	...	100·0	...
Madurántakam ...	...	...	...	...	6	2	2	6	...	...	...	...	...	...	100·0	...
Nagalapuram ...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...
Ponnéri	...	...	30	...	10	6	4	10	...	...	...	...	...	...	93·0	87·5
Poonamallee ...	...	...	22	...	22	...	1	22	...	...	...	...	...	...	...	60·0
Pulicat	...	...	36	...	31	15	13	29	2	...	8	7	1	...	100·0	...
Saidapet	...	...	...	...	...	...	...	...	...	...	5	3	2	...	...	...
Sathiavedu ...	...	...	24	...	24	2	1	3	21	...	...	...	...	...	100·0	...
Sríperumbúdúr ...	...	...	37	...	27	5	18	23	4	...	10	6	2	2	100·0	...
Tiruppórúr	...	...	24	...	24	17	1	24	...	...	...	...	...	...	93·0	87·5
Tiruvallúr	...	...	43	...	41	3	22	28	9	4	2	2	...	...	...	60·0
Tiruvottyur	...	...	27	...	18	4	5	16	2	...	9	8	1	...	12·5	...
Utramarur	...	...	50	...	40	14	24	40	...	...	10	8	2	...	85·2	...
Total ...	...	...	619	...	548	138	212	502	40	6	71	56	12	3	100·0	75·0
Coimbatore District.															75·7	100·0
Alanthorai	...	...	10	...	9	5	3	9	...	...	1	1	...	...	88·9	88·9
Aravakurchi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100·0	80·0
Bhaváni	...	...	4	...	4	...	...	2	...	...	...	...	...	...	92·6	82·4
Coimbatore	...	...	...	...	...	...	...	...	2	...	2	...	...	...	100·0	100·0
									...	...	...	...	...	...	100·0	...

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.	...	...	15	...	15	4	4	8	7	...	...	...	...	...	53·3	...
Dhárápuram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erode	...	...	120	...	118	91	14	114	4	...	2	...	2	...	96·6	...
Gopichettipalayam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hanur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Karúr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Karúr, Women and Children.	...	...	65	...	57	6	32	53	3	1	8	8	...	...	94·6	100·0
Kodumudi	...	...	8	...	8	6	2	8	...	...	...	...	...	...	100·0	...
Kollegal	...	...	57	...	51	8	24	35	15	1	6	...	6	...	70·0	...
Kangayam	...	...	2	...	2	...	...	2	...	...	...	...	...	...	100·0	...
Méttupálaiyam ...	...	...	9	...	9	3	6	9	...	...	...	...	...	...	100·0	...
Nerijupet	...	...	35	...	35	5	26	35	...	...	...	...	...	...	100·0	...
Palladam	...	...	12	...	12	1	3	10	2	...	...	...	...	...	83·3	...
Pollachi	...	...	46	...	46	14	27	42	4	...	...	...	...	...	95·2	...
Pollachi, Women and Children.	...	...	14	...	14	...	9	9	3	2	...	...	...	...	75·0	...
Satyamangalam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Talavady	...	...	30	...	30	13	16	30	...	...	...	...	...	...	100·0	...
Tiruppúr	...	...	16	...	16	10	6	16	...	...	...	...	...	...	100·0	...
Udamalpet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Véttagáranpudúr ...	...	...	443	...	426	166	172	382	38	6	17	9	8	...	91·0	52·9
Total ...	...	...														
Cuddapah District.																
Badvel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	...	...	40	...	40	12	17	32	8	...	...	...	...	...	80·0	...
Jammalamadugu ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kadiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madanapalle	...	...	9	...	9	4	2	7	2	...	...	...	...	...	77·7	...
Píléru	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pórumámilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Proddatur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulivendla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rázampét	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ráyachóti	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Siddhout	...	...	49	...	49	16	19	39	10	...	...	...	...	...	79·6	...
Total ...	...	...														
Ganjám District.																
Aska	...	...	151	...	139	Information not available.		99	37	3	12	11	...	1	72·8	100·0
Berhampur	...	...	16	...	16			8	8	...	...	...	...	...	50·0	...
Calingapatam ...	...	...	102	...	102			90	12	...	...	...	...	...	88·2	...
Chatrapur	...	...	97	...	97			71	24	2	...	...	...	...	74·7	...
Chicacole	...	...	50	...	50			28	22	...	...	...	...	...	56·0	...
Ganjám	...	...	83	...	83			72	8	3	...	...	...	...	90·0	...
Garabanda	...	...	53	...	53			45	8	...	...	...	...	...	84·9	...
Gopalpur	...	...	185	...	129			75	2	52	56	9	11	36	97·4	45·0
Itchápur	...	...	82	...	82			82	...	...	...	...	...	...	100·0	...
Parlákimedi	...	...	157	...	144			120	24	...	13	13	...	...	83·3	100·0
Purushottapur	...	...	31	...	31			25	...	6	...	...	...	...	100·0	...
Russellkonda	...	...	89	...	89			58	22	9	...	...	...	...	72·5	...
Sómpóta	...	...	84	...	69			51	18	...	15	14	1	...	73·9	93·3
Suradá	...	...	125	...	122			97	25	...	3	1	2	...	79·5	33·3
Tekkali	...	...	156	...	151			104	47	...	5	4	1	...	68·9	80·0
Varanasi	...	...	275	...	275			262	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 all ages.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Gódávari District.																
Achanta	...	...	72	...	72	...	44	61	11	...	...	...	...	...	84·7	...
Akevídu	...	...	95	...	88	4	66	74	8	6	7	5	2	...	90·2	71
Amalápuram ...	...	...	35	...	35	5	15	35	...	...	...	...	...	...	100·0	...
Bendamurlanka ...	...	...	39	...	36	1	13	26	6	4	3	2	1	...	81·2	66
Bhadráchalam ...	...	...	40	...	20	...	7	10	10	...	20	7	11	2	50·0	38
Bhímavaram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chintalapudi	...	...	66	...	60	7	26	48	10	2	6	2	4	...	82·8	33·3
Chodavaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Coringa	...	...	47	...	44	4	32	44	...	...	3	...	3	...	100·0	...
Dowlaishweram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ellore	...	...	155	...	149	33	80	147	2	...	6	5	1	...	98·8	83·3
Gokaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gollalamamidada ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kothapeta	...	...	40	...	38	1	21	30	3	5	2	...	2	...	90·9	...
Mandapeta	...	...	40	...	40	...	24	30	10	...	...	...	...	...	75·0	...
Mumidivaram ...	...	...	31	...	31	...	20	28	3	...	...	...	...	...	90·3	...
Narsapur	...	...	40	...	40	4	20	24	16	...	...	...	...	...	60·0	...
Peddápuram	...	...	92	...	92	17	62	85	7	...	...	...	...	...	92·3	...
Pentapadu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pittapóre	...	...	53	...	53	7	37	49	4	...	...	...	...	...	92·5	...
Polavaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pothavaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rajahmundry ...	...	...	50	...	39	4	23	39	...	...	11	11	...	...	100·0	100·0
Rámachendrapuram ...	...	...	15	...	15	...	15	15	...	...	...	...	...	...	100·0	...
Rozole	...	...	50	...	43	22	16	38	5	...	7	7	...	...	88·4	100·0
Tallapúdi	...	...	53	...	52	4	40	44	8	...	1	...	1	...	84·6	...
Tanuku	...	...	56	...	49	2	31	44	3	2	7	4	1	2	93·6	80·0
Tuni	...	...	60	...	57	2	32	56	1	...		3	...	...	98·2	100·0
Yelesvaram	...	...	39	...	39	...	3	6	31	2	...	...	...	...	79·5	...
Total ...	...	...	1,168	...	1,092	117	627	933	138	21	76	46	26	4	87·1	63·9
Kistna District.																
Avanigedda	...	...	74	...	74	13	50	74	...	...	...	...	...	...	100·0	...
Bapatla	...	...	41	...	39	5	14	21	18	...	2	...	2	...	53·9	...
Bezwada	...	...	68	...	49	40	3	49	...	...	19	15	4	...	100·0	78·9
Chirala	...	...	222	...	222	21	185	222	...	...	...	...	...	...	100·0	...
Dachepalle	...	...	75	...	75	20	37	60	15	...	...	...	...	...	80·0	...
Duggirala	...	...	118	...	118	12	31	74	44	...	...	...	...	...	62·7	...
Gudivada	...	...	40	...	40	8	21	40	...	...	...	...	...	...	100·0	...
Guntur	...	...	88	...	32	...	...	31	1	...	56	46	7	3	96·9	86·8
Jaggayapet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Karempudy	...	...	68	...	68	14	46	65	3	...	...	...	...	...	95·6	...
Kykalur	...	...	135	...	114	11	66	97	12	5	21	7	14	...	88·9	33·3
Masulipatam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Masulipatam, Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mylavaram	...	...	3	...	3	...	2	3	...	...	...	...	...	...	100·0	...
Nándigama	...	...	77	...	77	18	52	77	...	...	...	...	...	...	100·0	...
Narasaraopet ...	...	...	28	...	11	4	6	11	...	...	17	17	...	...	100·0	100·0
Nuzvid	...	...	27	...	22	4	17	22	...	...	5	4	1	...	100·0	80·0
Répalle	...	...	23	...	18	3	11	16	1	1	5	3	1	1	94·1	75·0
Sattenapalle	...	...	35	...	35	5	27	33	2	...	...	...	...	...	94·3	...
Tena'i	...	...	79	...	68	6	55	66	2	...	11	9	2	...	97·1	81·8
Tiruvur	...	...	54	...	46	8	24	42	2	2	8	2	6	...	95·5	25·0
Tumercode	...	...	48	...	48	31	13	47	1	...	...	...	...	...	97·9	...
Vinukonda	...	...	3	...	...	...	...	...	...	...	3	...	3	...	...	...
Total ...	...	...	1,306	...	1,159	223	660	1,050	101	8	147	103	40	4	90·6	72·0
Kurnool District.																
Allagadda	...	...	99	...	99	23	24	59	37	3	...	...	...	...	61·5	...
Átmakúr	...	...	114	...	106	17	13	41	61	4	8	5	3	...	40·2	62·5
Chagalmarri	...	...	75	...	71	3	19	39	32	...	4	4	...	...	54·9	100·0
Cumbum	...	...	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.

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
Kurnool District—cont.																
Dhone	...	...	21	...	21	...	10	13	8	...	...	...	...	...	61·9	...
Giddalore	...	...	22	...	19	...	...	12	7	...	3	...	3	...	63·2	...
Kálava	...	...	42	...	32	5	10	20	8	4	10	9	1	...	71·4	90·0
Kodamur	...	...	60	...	53	17	13	48	5	...	7	2	3	2	90·6	40·0
Koilkuntla	...	...	166	...	40	...	17	39	1	...	126	113	...	13	97·5	100·0
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Markapur	...	...	39	...	37	17	17	37	...	...	2	...	2	...	100·0	...
Madikera	...	...	64	...	63	23	20	46	14	3	1	...	1	...	76·7	...
Nandyal	...	...	58	...	55	14	19	38	13	4	3	3	...	...	74·5	100·0
Nandikotkur	...	...	67	...	62	13	17	32	11	19	5	...	5	...	74·4	...
Owk	...	...	31	...	31	6	13	19	8	4	...	...	...	...	70·4	...
Pattikonda	...	...	79	...	79	11	24	62	16	1	...	...	...	...	79·5	...
Total ...	...	...	953	...	784	152	223	518	224	42	169	136	18	15	69·8	88·3
Madras Town.																
Black Town, North Side	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hospital for Women and Children ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Native Infirmary ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Triplicane Dispensary.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura District.																
Ándipati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Arappukóttai ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bódinávakkanur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Butlagundu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chatrapatti	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dévakóttai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dindigul, Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kamudi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Káraikkudi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kílakarai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kodaikánal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kannivadi	...	...	7	...	7	5	2	7	...	...	...	...	...	...	100·0	...
Madura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura Branch Dispensary	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura, Women and Children	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mánámadurai ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Málár	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mudukulattúr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nilakkóttai	...	...	10	...	10	5	5	10	...	...	...	...	...	...	100·0	...
Nurhum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palni	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pámban	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Paramagudi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Periyakulam	...	...	10	...	7	5	2	7	...	...	3	2	1	...	100·0	66·7
Ráméswaram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ramnad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sáptúr	...	...	4	...	4	1	3	4	...	...	...	...	...	...	100·0	...
Shólavandán	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sivaganga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Thandikudi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tirumangalam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tiruppattúr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tiruppuvanam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

APPENDIX.

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
Madura District—cont.																
Tiruvádánai	...	...	5	...	4	...	1	4	...	...	1	1	...	...	100·0	100·0
Usilampatti	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Uttamappálaiyam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Védasándúr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	36	...	32	16	13	32	...	...	4	3	1	...	100·0	75·0
Malabar District.																
Angádipuram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Badagara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Calicut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cannanore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chowghaut	...	...	16	...	16	...	4	16	...	...	...	...	...	...	...	...
Cochin	...	...	15	...	15	1	2	12	...	3	...	...	...	...	100·0	...
Kúttaparamba ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kollangót	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100·0	...
Manantoddy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manjéri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Minicoy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nilambúr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palghat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palghat Branch ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ponnáni	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Quilandi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sultan's Battery ...	...	...	4	...	1	...	...	...	...	...	...	...	...	...	...	...
Talipparamba ...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Tamracheri	...	...	...	...	...	...	...	...	...	...	3	2	1	...	...	...
Tellicherry	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100·0	...
Triprayar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	66·7
Vayittiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	35	...	32	1	6	29	...	3	3	2	1	...	100·0	66·7
Nellore District.																
Addanki	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Allúr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Átmakúr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buchireddipoliam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dársi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gudur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kandukur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kalavayi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kanigiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kávali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kistnapatam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kota	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kottapatam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Náyudupet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nellore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nellore Branch Dispensary.	...	...	2	...	2	1	...	2	...	...	...	...	...	...	...	...
Nellore Jubilee Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100·0	...
Ongole	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pamoor	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Podalakur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Podili	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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
Nellore District—cont.																
Rapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Singaroyakonda ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sriharikóta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sullurpet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Udayagiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Venkatagiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vinjamur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	2	...	2	1	1	2	...	...	...	...	...	...	100·0	...
Nilgiri District.																
Coonoor	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gúdalúr	...	...	21	...	20	...	...	20	...	...	1	1	...	...	100·0	100·0
Kotagiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ootacamund Lawrence Asylum.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Saint Bartholomew's Hospital, Ooty.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	21	...	20	...	...	20	...	...	1	1	...	...	100·0	100·0
North Arcot District.																
Ambúr	...	...	9	...	9	...	8	9	...	...	...	...	...	...	100·0	...
Arcot	...	...	6	...	6	...	1	6	...	...	...	...	...	...	100·0	...
Arni	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Arkonam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chittoor	...	...	26	...	25	23	2	25	...	...	1	...	1	...	100·0	...
Gudiyáttam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kálahasti	...	...	6	...	6	1	5	6	...	...	...	...	...	...	100·0	...
Kuppam	...	...	16	...	9	3	4	9	...	...	7	...	7	...	100·0	...
Polur	...	...	37	...	36	4	27	36	...	...	1	1	...	...	100·0	100·0
Palmanér	...	...	4	...	3	1	2	3	...	...	1	1	...	...	100·0	100·0
Punganúr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puttur	...	...	14	...	7	...	...	3	...	4	7	7	...	...	100·0	100·0
Ranipet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sholinghur	...	...	15	...	15	2	3	9	...	6	...	...	...	...	100·0	...
Tirupati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tiruvettur	...	...	20	...	20	...	14	20	...	...	...	...	...	...	100·0	...
Vellore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Venkatagirikotah ...	...	...	4	...	...	...	...	...	...	...	4	4	...	...	...	100·0
Wálajápet	...	...	12	...	12	1	7	12	...	...	...	...	...	...	100·0	...
Wandiwash	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	169	...	148	35	73	138	...	10	21	13	8	...	100·0	61·9
Salem District.																
Atúr	...	...	55	...	44	21	15	40	4	...	11	11	...	...	90·9	100·0
Alangayam	...	...	92	...	86	40	34	80	6	...	6	6	...	...	93·0	100·0
Ammápet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dhankankotah ...	...	...	45	...	43	21	19	40	...	3	2	...	...	2	100·0	...
Dharmapuri	...	...	75	...	75	2	66	70	4	1	...	...	...	...	94·6	...
Harúr	...	...	51	...	51	12	33	45	6	...	...	...	...	...	88·2	...
Hosur	...	...	42	...	42	10	22	37	5	...	...	...	...	...	88·1	...
Krishnagiri	...	...	79	...	53	26	13	45	8	...	26	22	4	...	84·9	84·6
Námakkal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Omalúr	...	...	15	...	15	1	11	15	...	...	...	...	...	...	100·0	...
Pálakóda	...	...	19	...	19	6	9	15	3	1	...	...	...	...	83·3	...
Pennagaram	...	...	50	...	48	10	32	48	...	...	2	2	...	...	100·0	100·0
Razipur	...	...	297	...	290	40	176	242	48	...	7	6	1	...	83·4	85·7
Royacota	...	...	16	...	16	5	4	9	...	7	...	...	...	...	100·0	...
Salem	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salem, Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sankaridrug	...	...	45	...	44	1	27	35	9	...	1	1	...	...	79·5	100·0

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
Salem District—cont.																
Sendamangalam ...	...	...	*30*	...	*30*	*7*	*12*	*30*	...	...	...	...	...	...	*100·0*	...
Thalli ...	...	...	64	..	64	19	40	60	*1*	*3*	...	...	...	...	*98·4*	...
Thamamputti ...	...	...	90	...	83	18	35	67	16	...	7	3	4	...	80·7	42·9
Tiruchengód ...	...	...	23	...	4	...	...	4	...	...	19	7	4	8	100·0	63·6
Tiruppattúr	...	...	40	...	40	30	9	40	...	...	...	...	...	...	100·0	...
Do. Women and Children.	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...
Úttangarai	...	...	10	...	7	...	6	6	1	...	3	3	...	...	85·7	100·0
Vániyambádi ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yercaud ...	...	...	58	...	56	12	21	45	11	...	2	1	1	...	80·4	50·0
Total ...	...	...	1,196	...	1,110	281	584	973	122	15	86	62	14	10	88·9	81·6
South Arcot District.																
Chengam	...	...	11	..	5	...	...	...	...	5	6	...	6	...	...	...
Chidambaram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gingee	...	...	14	...	5	...	...	3	1	1	9	...	2	7	75·0	...
Kallakurchi	...	...	11	...	11	...	...	11	...	...	...	...	...	...	100·0	...
Kurinchippádi ...	...	...	3	...	3	...	...	2	...	1	...	...	...	...	100·0	...
Mannárgudi	...	...	16	...	2	...	...	2	...	...	14	11	3	...	100·0	78·6
Markanam	...	...	17	...	...	...	...	...	...	...	17	...	13	4	...	...
Nellikuppam ...	...	...	5	...	5	3	2	5	...	...	...	...	...	...	100·0	...
New Town, Cuddalore.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Old Town, do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Panruti	...	...	14	...	...	...	...	...	...	...	14	...	5	9	...	...
Porto Novo	...	...	40	...	34	...	...	9	17	8	6	2	4	...	34·6	33·3
Sankarápuram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Srimushnam ...	...	...	5	...	5	1	2	5	...	...	...	...	...	...	100·0	...
Tindivanam	...	...	2	...	2	...	...	2	...	...	...	...	...	...	100·0	...
Tirukkóyilúr ...	...	...	96	...	54	1	1	44	10	...	42	35	5	2	81·8	87·5
Tiruppáppuliyúr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do. Women and Children.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tiruvannámalai ...	...	...	19	...	2	...	...	2	...	...	17	4	6	7	100·0	40·0
Tittagudi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ulundúrpóttai ...	...	...	28	...	24	1	...	23	...	1	4	2	2	...	100·0	50·0
Vanoor	...	...	38	...	37	...	...	4	19	14	1	...	1	...	17·4	...
Villupuram ...	...	...	23	...	3	...	...	3	...	...	20	20	...	...	100·0	100·0
Vriddhachalam ...	...	...	15	...	5	...	...	5	...	...	10	7	2	1	100·0	77·8
Vattavalam	...	...	8	...	8	1	5	6	2	...	...	...	...	...	75·0	..
Total ...	...	...	365	...	205	7	10	126	49	30	160	81	49	30	72·0	62·3
South Canara District.																
Amindivi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bantvál	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Beltangudy ...	...	...	6	...	6	...	3	4	1	1	...	...	...	...	80·0	...
Hebri	...	...	6	...	6	2	3	5	...	1	...	...	...	...	100·0	...
Hosdrug	...	...	20	...	14	...	...	11	2	1	6	2	...	4	84·6	100·0
Kárkal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kasaragod	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kollúru	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kundapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mangalore	...	...	10	...	10	2	7	10	...	...	...	...	...	...	100·0	...
Manjeswar	...	...	9	...	9	...	8	9	...	...	...	...	...	...	100·0	...
Moolki	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Múdabidri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puttur	...	...	9	...	7	...	2	6	1	...	2	2	...	...	85·7	100·0
Shenkarnaram ...	...	...	4	...	4	...	1	4	...	...	...	...	...	...	100·0	...
Sullia	...	...	43	...	37	5	22	29	6	2	6	1	3	2	82·9	25·0
Udipi	...	...	6	...	6	...	...	...	...	6	...	...	...	...	...	...
Uppinangady ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	113	...	99	9	46	78	10	11	14	5	3	6	88·6	62·5

B—DISPENSARY VACCINATION.

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

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					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
Tanjore District.																
Arantángi	...	...	87	...	84	4	27	48	25	11	3	2	1	...	65·8	66·7
Adirámpatnam ...	...	...	89	...	89	2	58	70	19	...	...	...	...	...	78·7	...
Avadaiyárkóil ...	...	...	93	...	93	...	82	93	...	...	...	...	...	...	100·0	...
Ayyampóttai ...	...	...	73	...	70	13	28	47	23	...	3	3	...	...	67·1	100·0
Gandarakotai ...	...	...	81	...	81	8	64	74	7	...	...	...	...	...	91·4	...
Karathattangudi ...	...	...	67	...	67	...	46	66	1	...	...	...	...	...	98·5	...
Kodavasal	...	...	105	...	103	20	63	99	3	1	2	2	...	...	97·1	100·0
Kumbakónam ...	...	...	92	...	79	21	33	67	12	...	13	12	1	...	84·8	92·3
Do. Branch.	...	...	75	...	75	19	36	60	15	...	...	...	...	...	80·0	...
Kuttanallur	...	...	41	...	41	1	34	41	...	...	...	...	...	...	100·0	...
Manamalkudi ...	...	...	74	...	68	...	41	58	9	1	6	3	3	...	86·6	50·0
Manamboochavady ...	...	...	36	...	35	1	22	31	4	...	1	1	...	...	88·6	100·0
Mannárgudi	...	...	74	...	42	6	13	32	10	...	32	25	4	3	76·2	85·2
Madukur	...	...	67	...	67	5	62	67	...	...	...	...	...	...	100·0	...
Máyavaram	...	...	2	...	2	2	...	2	...	...	...	...	...	...	100·0	...
Minpassal	...	...	73	...	66	1	44	56	10	...	7	7	...	...	84·8	100·0
Muttupet	...	...	82	...	82	...	39	78	2	2	...	...	...	...	97·5	...
Nagore Branch ...	...	...	46	...	41	...	...	37	2	2	5	3	...	2	...	...
Nannilam	...	...	153	...	148	2	125	148	...	...	5	5	...	...	100·0	100·0
Negapatam	...	...	17	...	11	...	...	11	...	...	6	2	1	3	...	...
Nidámangalam ...	...	...	66	...	66	5	38	65	1	...	...	...	...	...	98·5	...
Orthanád	...	...	44	...	...	...	...	...	...	...	44	32	11	1	...	74·4
Pápanásam	...	...	124	...	117	...	61	117	...	...	7	7	...	...	100·0	100·0
Pattukkóttai ...	...	...	118	...	118	13	77	104	14	...	...	...	...	...	96·3	...
Rajah Mirasidar Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shiyáli	...	...	138	...	121	5	107	119	2	...	17	17	...	...	98·3	100·0
Tirukkáttuppalli ...	...	...	87	...	86	...	72	72	14	...	1	...	...	1	83·7	...
Tirutturaippúndi ...	...	...	48	...	48	9	33	48	...	...	...	...	...	...	100·0	...
Tiruvadamarudúr ...	...	...	103	...	102	...	85	102	...	...	1	1	...	...	100·0	100·0
Tiruvádi	...	...	112	...	111	3	46	84	21	6	1	1	...	...	80·0	100·0
Tiruválúr	...	...	58	...	56	3	49	56	...	...	2	1	1	...	100·0	50·0
Tranquebar Branch ...	...	...	75	...	75	8	41	71	4	...	...	...	...	...	94·7	...
Porayar	...	...	68	...	68	3	43	68	...	...	...	...	...	...	100·0	...
Védárniem	...	...	136	...	136	8	90	135	1	...	...	...	...	...	99·3	...
Velangyman	...	...	102	...	102	2	80	101	1	...	...	...	...	...	99·0	...
Vallam	...	...	89	...	87	6	73	87	...	...	2	2	...	...	100·0	100·0
Velangulam ...	...	...	41	...	18	3	9	15	2	1	23	13	10	...	88·2	56·5
Total ...	...	...	2,836	...	2,655	173	1,721	2,429	202	24	181	139	32	10	92·3	81·3
Tinnevelly District.																
Ambásamudram ...	...	...	50	...	45	...	15	33	8	4	5	...	5	...	91·7	...
Christinagaram ...	...	...	17	...	11	...	6	8	1	2	6	2	2	2	88·9	50·0
Ettyapuram	...	...	17	...	17	...	14	17	...	...	...	...	...	...	100·0	...
Koilpatti	...	...	26	...	26	26	...	26	...	...	...	...	...	...	100·0	...
Mela Viraragavapuram	...	...	63	...	63	2	16	56	7	...	...	...	...	...	88·9	...
Nágalápuram ...	...	...	33	...	27	13	10	23	3	1	6	3	3	...	88·5	50·0
Nángunéri	...	...	20	...	7	...	2	5	1	1	13	12	1	...	83·3	92·3
Nazareth	...	...	14	...	9	4	1	7	...	2	5	...	3	2	100·0	...
Ottappidáram ...	...	...	95	...	50	7	18	32	16	2	45	23	17	5	66·7	57·5
Palamcottah	...	...	8	...	3	1	2	3	...	...	5	5	...	...	100·0	100·0
Panagudy	...	...	18	...	15	4	8	14	1	...	3	2	1	...	93·3	66·7
Rádhápuram	...	...	19	...	19	...	5	15	2	2	...	...	...	...	88·2	...
Sankarannyinárkóyil.	...	...	70	...	59	4	24	51	4	4	11	9	2	...	92·7	81·8
Sáttúr	...	...	130	...	98	7	43	80	12	6	32	15	10	7	87·0	60·0
Sawyerpuram ...	...	...	20	...	18	6	9	16	2	...	2	2	...	...	88·9	100·0
Shérmádévi	...	...	97	...	91	...	18	65	10	16	6	...	2	4	86·7	...
Sivagiri	...	...	86	...	74	...	13	57	10	7	12	3	8	1	85·1	30·0
Srívaikuntam ...	...	...	45	...	26	...	8	26	...	...	19	19	...	...	100·0	100·0
Srivilliputtúr ...	...	...	107	...	98	8	40	76	18	4	9	9	...	...	80·9	100·0
Tenkási	...	...	66	...	38	17	13	34	...	4	28	5	14	9	100·0	36·3
Tinnevelly	...	...	24	...	24	2	5	19	2	3	...	...	...	...	90·5	...
Tirukarangudy ...	...	...	53	...	53	5	27	38	12	3	...	...	...	...	76·0	...
Trichendur	...	...	74	...	72	6	26	60	8	4	2	2	...	...	88·2	100·0

B—DISPENSARY VACCINATION.

STATEMENT No. III *showing Dispensary Vaccination in the Madras Presidency during the 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. Successful. Total.	Under 1 year.	Above 1 and under 6 years.	Total of all ages.	Unsuccessful.	Unknown.	Re-vaccination. Total.	Successful.	Unsuccessful.	Unknown.	Percentage of successful cases. Primary vaccination.	Re-vaccination.
Tinnevelly District—cont.																
Tuticorin	...	...	40	...	30	2	15	16	1	...	...	...	...	...	96·7	100·0
Virakeralampudur	...	...	51	...	51	...	34	29	9	...	...	...	...	...	89·0	...
Virudupatti	...	...	98	...	98	12	59	85	12	1	...	...	...	...	87·6	...
Total ...	...	1,341	...	1,122	126	431	916	139	67	219	121	...	68	30	86·8	63·0
Trichinopoly District.																
Ariyalúr	...	17	...	17	3	13	16	...	...	...	...	...	...	...	100·0	...
Erungalore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Iluppúr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kulittalai	...	26	...	26	...	...	26	...	1	...	...	...	...	...	...	...
Lalgudy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manappárai	...	18	...	15	...	2	15	...	...	...	...	...	...	...	100·0	...
Musiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Perambalúr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Srirangam	...	6	...	6	...	...	6	...	...	...	...	...	...	...	100·0	...
Trichinopoly	...	36	...	36	13	3	35	...	...	...	3	3	...	...	...	...
Turaiyúr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuvarankurichi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Udaiyárpálaiyam	...	23	...	...	...	...	...	1	...	...	...	...	...	...	100·0	100·0
Oriyur Jubilee Dispensary ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	45	...	45	8	27	45	...	...	...	23	19	4	...	100·0	...
	...	171	...	145	26	73	143	1	1	26	22	4	...	...	97·2	...
Vizagapatam District.																
Anakápalle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bimlipatam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bissimcottah	...	47	...	...	...	...	...	...	...	...	...	...	...	...	...	82·6
Bobbili	...	28	...	16	1	...	16	...	...	...	...	...	...	...	...	...
Do. Samasthanam ...	...	...	...	28	...	3	27	1	...	31	...	...	...	...	100·0	...
Gosha Hospital.						23										
Chipurupalle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chódavaram	...	1	...	1	...	40	1	...	...	...	...	...	...	...	100·0	100·0
Gajapathinagaram ...	...	53	...	52	1	6	44	8	...	...	...	...	...	...	96·4	...
Gunapur	...	18	...	15	1	6	15	...	...	...	...	...	...	...	...	...
Jami	...	30	...	30	...	7	27	2	1	3	1	...	...	...	100·0	...
Jeypore	...	65	...	65	12	31	43	22	...	...	...	...	...	...	...	...
Nakkapalli	...	...	...	...	...	...	...	...	...	...	...	...	...	...	85·6	...
Narsapatnam	...	10	...	8	...	...	...	...	...	...	...	...	...	...	100·0	100·0
Nowrangapur	...	39	...	30	...	7	37	2	...	...	...	...	...	...	99·1	100·0
Palkonda	...	96	...	96	21	12	94	1	...	2	1	...	1	...	60·2	...
Parvatipur	...	23	...	23	6	37	45	2	...	...	...	...	...	...	...	...
Pondur	...	...	...	...	1	45	20	...	...	...	...	...	...	...	87·5	...
Rayagada	...	10	...	...	...	20	21	2	...	2	...	...	...	...	94·9	50·0
Razam	...	22	...	10	...	5	10	...	...	...	...	...	...	...	100·0	...
Sólúr	...	...	...	22	...	19	22	...	...	...	...	...	...	...	...	...
Srungavarapukota ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	91·3	...
Veeraghattam	...	27	...	24	...	4	24	...	...	...	...	...	...	...	100·0	...
Vizagapatam	...	60	...	55	4	20	53	...	...	...	...	...	...	...	100·0	...
Do. Victoria Gosha Hospital.	...	...	...	...	11	37	...	...	2	...	3	3	...	...	100·0	...
Do. Women and Children.	...	...	...	...	...	...	...	...	...	...	5	5	...	...	...	...
Vizianagram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100·0	...
Women and Children.															100·0	...
Walter	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100·0	...
Yellamanchili	...	22	...	11	...	10	...	1	...	11	...	...	...	...	...	...
	...	60	...	57	3	14	61	5	1	3	8	3	5	...	100·0	...
Total ...	...	611	...	552	61	289	502	44	6	59	52	7	...	...	91·9	88·1
Grand Total ...	...	13,370	...	12,004	1,864	5,189	10,267	1,405	332	1,366	969	307	150	...	88·0	72·7
															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 Madras 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 successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.
Government vaccinators ...	9,741	9,479	17,092	16,210	28,257	27,227	17,820	16,684	16,875	14,906	15,038	13,823	15,667	14,015	18,780	16,717	20,306	17,694	21,051	17,311
Local Fund do. ...	618,588	590,855	670,318	643,761	708,653	680,355	743,467	706,117	820,195	768,616	932,209	885,648	948,275	897,051	956,040	874,099	965,873	879,660	1,021,642	927,372
Cantonment do. ...	3,375	3,293	4,316	3,912	3,341	3,285	3,681	3,343	3,253	2,998	5,206	4,806	3,713	3,407	2,727	2,525	4,071	3,827	4,184	3,628
Zemindary do. ...	4,012	3,885	2,270	2,160	5,254	5,069	6,338	6,017	6,628	6,430	6,860	6,496	6,359	5,536	5,778	4,904	6,341	5,055	7,495	6,406
Municipal do. ...	71,710	67,405	81,566	77,180	81,442	76,215	91,167	85,008	100,830	95,898	106,364	100,613	102,267	98,150	105,575	101,209	103,733	98,716	101,276	96,389
Dispensaries	13,736	11,506	18,283	15,603	26,870	23,363	38,888	33,162	45,531	36,104	35,958	30,292	26,541	23,079	24,415	20,663	17,526	15,101	12,004	10,267
Medical subordinates ...	3,033	1,630	2,517	1,517	3,077	1,793	4,758	2,727	3,804	2,724	4,882	3,827	2,586	1,943	3,505	2,980	2,775	2,214	1,295	1,088
Total ...	724,225	688,051	796,362	760,343	856,894	817,307	906,119	853,058	996,274	927,719	1,106,517	1,049,505	1,105,408	1,043,181	1,116,820	1,023,097	1,120,625	1,022,267	1,173,131	1,062,460

APPENDIX.

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	16,261	1·5	44·5	97·4	83·1	87·6
Chingleput	52,670	215	27,791	0·4	52·8	97·2	91·9	92·2
Coimbatore	76,184	2,669	35,237	3·4	46·3	82·6	95·0	91·2
Cuddapah	40,293	1,039	24,530	2·6	60·9	96·3	96·3	98·2
Ganjám	55,849	1,098	29,749	2·0	53·3	61·2	81·4	84·9
Gódávari	71,789	2,333	42,931	3·2	59·8	81·9	81·6	83·2
Kistna	74,645	993	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	83·8	88·5
Madura	95,683	4,245	48,050	4·4	50·2	99·2	95·7	98·3
Malabar	64,797	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	83·2
Nilgiris	6,157	624	...	10·1	...	100·0	...	99·4
North Arcot	60,786	327	34,527	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	1,752	32,857	2·7	50·1	87·0	95·9	98·4
South Canara	40,708	1,051	17,906	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
Tinnevelly	77,258	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
Vizagapatam	104,001	676	56,437	0·6	54·3	97·3	95·1	93·0
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 79·8 per cent. proved successful.

Local & Munl. (1897) Department.

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SANITARY COMMISSIONER FOR MADRAS,

To

THE Secretary to Government,
Local & Municipal department,
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