

ANNUAL REPORT

ON

VACCINATION IN THE MADRAS
PRESIDENCY

FOR THE YEAR

1919-20.

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MADRAS:

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* செப்பனுவல்களாக எடுத்துக்
* கொள்ளப்பட்ட
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* மார்ச் 89 வருடம்
* செப்பனிடல்
* 29 மார்ச் 89 வருடம்
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* ஆராய்ச்சி உதவியாளர்
* கையொப்பம்
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MADRAS
PRINTED BY THE SUPERINTENDENT, GOVERNMENT PRESS.

1921.

D. No. 957/V.

OFFICE OF THE SANITARY COMMISSIONER,
MADRAS, 29th September 1920.

From

THE HON'BLE MAJOR-GENERAL G. G. GIFFARD, C.S.I., K.H.S., I.M.S.,
Surgeon-General with the Government of Madras (Sanitary),

To

THE SECRETARY TO GOVERNMENT,
LOCAL AND MUNICIPAL DEPARTMENT.

SIR,

I have the honour to submit the Report on Vaccination in the Madras Presidency for 1919-20.

2. As required in G.O. No. 4999-1 L., dated 7th October 1919, the report is for the three years ending 1919-20.

3. Dr. Matthew continued to hold charge of the Central and Northern Ranges from September 1914 when Captain (now Major) Quirke, I.M.S., proceeded on Military duty up to the end of November 1919 but as this arrangement could not be continued any longer, Dr. Adiseshan, the Health Officer, Madura Municipality, was appointed as a Deputy Sanitary Commissioner and posted to the Northern Range in December 1919 thus bringing up the full compliment of three Deputy Sanitary Commissioners sanctioned for the Presidency. This number having been found inadequate the question of employing additional Deputy Sanitary Commissioners was considered during the year and provision has been made for employing three more officers. Dr. Jesudoss was in charge of the Southern Range throughout the year 1919-20.

4. The inspection work of the three Deputy Sanitary Commissioners was as follows:—

Dr. Matthew made a routine sanitary inspection of the Municipalities of Nandyal, Villupuram, Walajpet, Cuddapah and Proddatur and submitted written reports thereon; the rural areas of nine districts comprising 210 villages in the two ranges of which he was in charge were inspected for examining the condition of vaccination. Special visits under the orders of the Sanitary Commissioner were also paid to Hospet for the inspection of malaria conditions and vaccination, Chittoor for vaccination, Erode and the adjoining villages for the inspection of the results of certain experimental vaccination ordered by the Sanitary Commissioner; the villages of Balapalli and Mamandur to advise as to the removal of these villages to a healthier site; the salt factory of Voyalur in the Chingleput district with reference to malaria; Bhommanagadda in the Chittoor district to advise sanitary measures necessary for the criminal settlement there. He proceeded also to Anantapur to examine and issue certificates to a class of temporary Sanitary Inspectors trained by the District Medical and Sanitary Officer for plague duty.

Dr. Jesudoss inspected sanitation and vaccination in 16 Municipalities and the condition of vaccination in 293 villages in seven districts verifying 6,456 cases. He also inspected Pollachi and Udumalpet in the Coimbatore district for selection of site for the nightsoil depot; Attakattai and Mount Stuart in the Coimbatore



district and Cumbum valley in the Madura district for malaria; Kollegal for the inspection of proposals submitted by the District Board for the relief of congestion and Kakkakulam and Anaikulam in the Tanjore district for inspection of waters stocked with larvicidal fish.

Dr. Adishesha Ayyar during the three months he held charge of Northern Range inspected sanitation and vaccination in three Municipalities and vaccination in 95 villages in two districts and verified 2,831 cases. He attended the Public Health Exhibition at Madras and the Maternity and Infant Welfare Exhibition at Delhi in February 1920.

5. The following table contrasts the staff employed during the last three years:—

Year.	Deputy Inspectors of Vaccination.			Vaccinators.			Total number of vaccinators.
	First grade.	Second grade.	Third grade.	First class.	Second class.	Third class.	
1917-18	19	20	43	256	440	165	861
1918-19	20	37	49	134	285	180	599
1919-20	25	26	57	142	281	194	617

During the year under report two additional vaccination ranges Parlakimedi and Rayadrug in the Ganjam and Bellary districts respectively were sanctioned.

6. The new scheme of vaccination sanctioned in G.O. No. 963 L., dated 4th July 1917, was in force during the year and rules for working the scheme were issued in G.O. No. 760 L., dated 18th June 1919. It is too soon to pronounce an opinion as to the efficacy or otherwise of the scheme. A circular was issued to all Collectors inviting attention to the need for enforcing the rules and every effort was made by the Deputy Sanitary Commissioners during their inspection to note defects in the practical working of the scheme and to rectify them. All Collectors were also requested to offer their opinion on the scheme and to suggest remedies for defects noticed by them but complete replies from them were not received before the year closed. A separate report will be submitted in due course on the working of the scheme. A slight improvement in quantity and quality is noticeable in primary and secondary vaccination when compared with the previous year.

I agree with the opinion of the Deputy Sanitary Commissioners that to secure improvement in the working of the scheme, the general introduction of compulsory vaccination in all districts is very essential.

7. The following table exhibits the total vaccination work performed by all agencies throughout the Presidency:—

	1917-18.	1918-19.	1919-20.
Primary vaccination (including secondary)	1,432,386	1,333,313	1,384,020
Re-vaccination	274,897	300,520	229,597
Total	1,707,283	1,633,833	1,613,617

Compared with the two previous years the total number of cases vaccinated during 1919-20 showed a decrease the fall occurring under re-vaccination. There was however a rise in primary and secondary vaccinations, compared with the previous year. The districts which showed the largest decreases were Malabar

(— 17,104), Tinnevely (— 13,742) and Ganjam (— 5,426). The fall during the year under report is attributable to the following causes:—

- (1) The absence or less prevalence of small-pox.
- (2) Failure to appoint substitutes during the leave vacancies of vaccinators and to fill in certain permanent vacancies for want of suitable candidates.

8. The sub-joined table shows the results of primary and secondary and re-vaccinations performed by all agencies:—

Establishment.	Number of successful vaccinations.						Total of successful vaccinations.		
	1917-18.		1918-19.		1919-20.		1917-18.	1918-19.	1919-20.
	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Local Fund vaccinators	999,157	121,763	787,222	95,833	823,855	61,411	1,187,796	1,110,920	898,069
Government do.	15,057	3,024	14,156	3,773	14,075	2,459	18,019	18,061	17,134
Municipal do.	113,852	41,072	105,156	47,170	98,188	28,167	141,820	151,731	124,345
Cantonment do.	3,497	2,763	2,667	3,592	4,912	4,711	4,617	6,260	8,723
Dispensaries	183	92	155	70	129	100	173	281	319
Medical subordinates	103	7,252	375	9,085	345	10,521	6,984	7,855	10,866
Total	1,121,655	175,973	909,733	159,823	949,004	110,452	1,359,357	1,297,628	1,059,456

Establishment.	Ratio per cent of successful cases.						Ratio per cent of total successful cases.		
	1917-18.		1918-19.		1919-20.		1917-18.	1918-19.	1919-20.
	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.			
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
Local Fund vaccinators	82.6	73.4	76.4	58.0	76.8	51.9	81.6	73.9	74.3
Government do.	81.8	73.4	82.7	76.7	87.7	82.5	80.3	81.3	86.9
Municipal do.	91.0	67.0	91.5	71.9	90.9	63.9	83.1	84.4	82.9
Cantonment do.	85.2	41.5	80.0	15.6	80.5	58.0	58.1	55.3	66.5
Dispensaries	99.0	87.6	98.7	93.3	99.5	91.8	94.9	97.0	94.4
Medical subordinates	52.8	70.5	78.3	72.3	64.5	70.7	70.1	72.4	70.5
Total	83.4	70.8	77.9	62.0	78.2	56.8	81.4	75.1	75.2

The percentage of success under primary vaccinations showed a slight increase of 0.3 during the year under report when compared with 1918-19 but a considerable fall in comparison with the year previous. The success rate is low and the causes are explained in the report on the Vaccine Section of the King Institute, Guindy. As stated in this office letter D. No. 59/K.I., dated 10th August 1920, proposals for improving conditions are under consideration.

9. *Infantile vaccination.*—When compared with the previous year, there was an increase of 1,925 in the number of children successfully vaccinated under one year of age. The districts which showed an increase of over 5 per cent were Malabar (+ 18.2), Godavari (+ 11.1), North Arcot (+ 10.5), Kurnool (+ 9.1), South Kanara (+ 8.8), Chittoor (+ 8.8), Kistna (+ 8.6), Nellore (+ 7.3), Salem (+ 7.1), Madura (+ 7.1) and Chingleput (+ 5.3). The only district which showed the largest decrease under this head was Nilgiris (— 20.06). In other districts the fall was very slight.

Among municipalities Tiruppur (+ 65.8), Villupuram (+ 47.3), Ongole (+ 31.0), Coimbatore (+ 28.6) and Srirangam (+ 22.8) show an increase and Nandyal (— 83.3), Narasaraopet (— 54.4), Proddatur (— 44.2), Adoni (— 40.1) and Kurnool (— 35.7) show a marked decrease.

10. The cost of the various Vaccination staffs and the average cost of each successful case are exhibited in the sub-joined statement:—

Establishment.	Total expenditure.			Average cost of each successful case.		
	1917-18.	1918-19.	1919-20.	1917-18.	1918-19.	1919-20.
Government establishment.	Rs. A. P. 10,797 4 3	Rs. A. P. 13,437 10 9	Rs. A. P. 13,853 13 10	Rs. A. P. 0 9 7	Rs. A. P. 0 12 0	Rs. A. P. 0 12 11
Local fund do.	2,88,677 10 4	3,37,666 13 3	3,86,028 11 10	0 4 2	0 6 1	0 6 10
Municipal do.	42,607 13 5	43,964 14 0	75,424 4 11	0 4 5	0 5 3	0 9 8
Cantonments do.	3,807 8 3	4,286 2 5	4,393 1 8	0 9 9	0 10 5	0 8 0
Total ...	3,45,890 8 3	4,05,355 8 5	4,79,700 0 3	0 4 3	0 6 1	0 7 4

There was a steady increase in the average cost of each successful case from As. 4-3 in 1917-18 to As. 7-4 in the year under report. It varied from As. 4-11 in the Kistna district to as high as Re. 1-2-4 in the Nilgiris district whilst in Municipalities the variations were from Rs. 2-2-9 in Madras to As. 2-4 in Mangalore.

11. 159,764 operations were performed in Municipalities during the year against 190,387 in the preceding year and 195,110 in 1917-18, the largest decrease occurring in Madras (-9,307), Mangalore (-5,852), Calicut (-3,718), Madras (-2,741), Berhampur (-2,648), Negapatam (-1,609) and Palamcottah (-1,512), due to the less prevalence of smallpox. The only Municipality that showed an appreciable increase was Ootacamund (+2,521).

12. The percentage of success obtained by the use of different kinds of lymph in primary vaccination in Local Fund and Municipal areas is compared in the following table:—

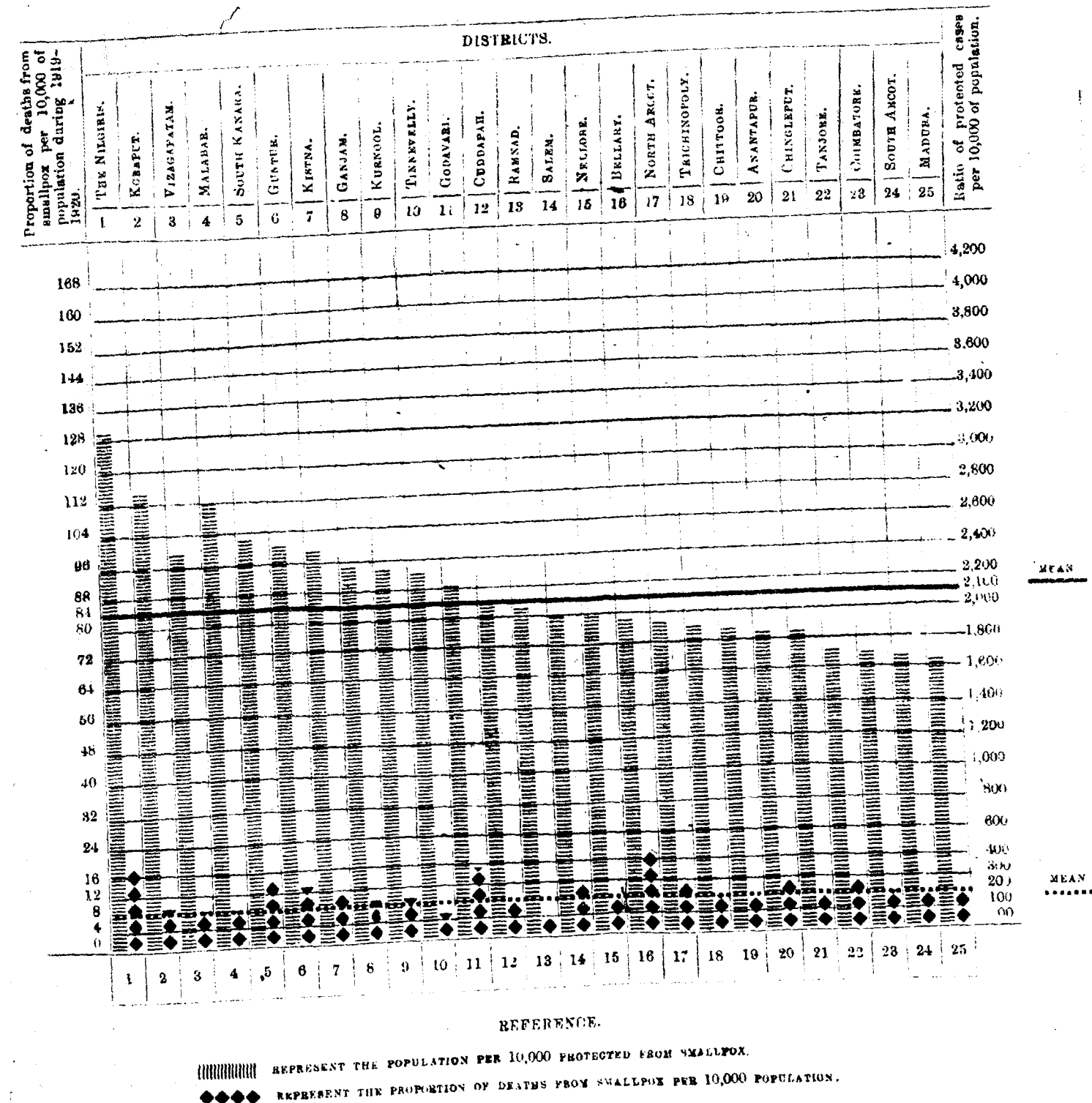
Number of cases excluding unknown.	Area.	Kind of lymph.	Whence obtained.	Percentage of success.
1,102,100	Local fund ...	Lanoline lymph ...	The King Institute, Guindy ...	77.0
89,550	Do. ...	Glycerine ...	Do. ...	...
16,103	Municipalities ...	Lanoline lymph ...	Do. ...	91.2
	Do. ...	Glycerine ...	Do. ...	89.9

Lanoline paste was used in all the Local Fund districts and Municipalities. The percentage of success obtained with it showed a slight increase from 76.4 in 1918-19 to 77.0 in 1919-20 and in Municipalities there was an increase from 90.1 to 91.2. The supply of glycerine lymph was restricted to Madras City alone and yielded a success rate of 89.9 as compared with 97.5 in 1918-19.

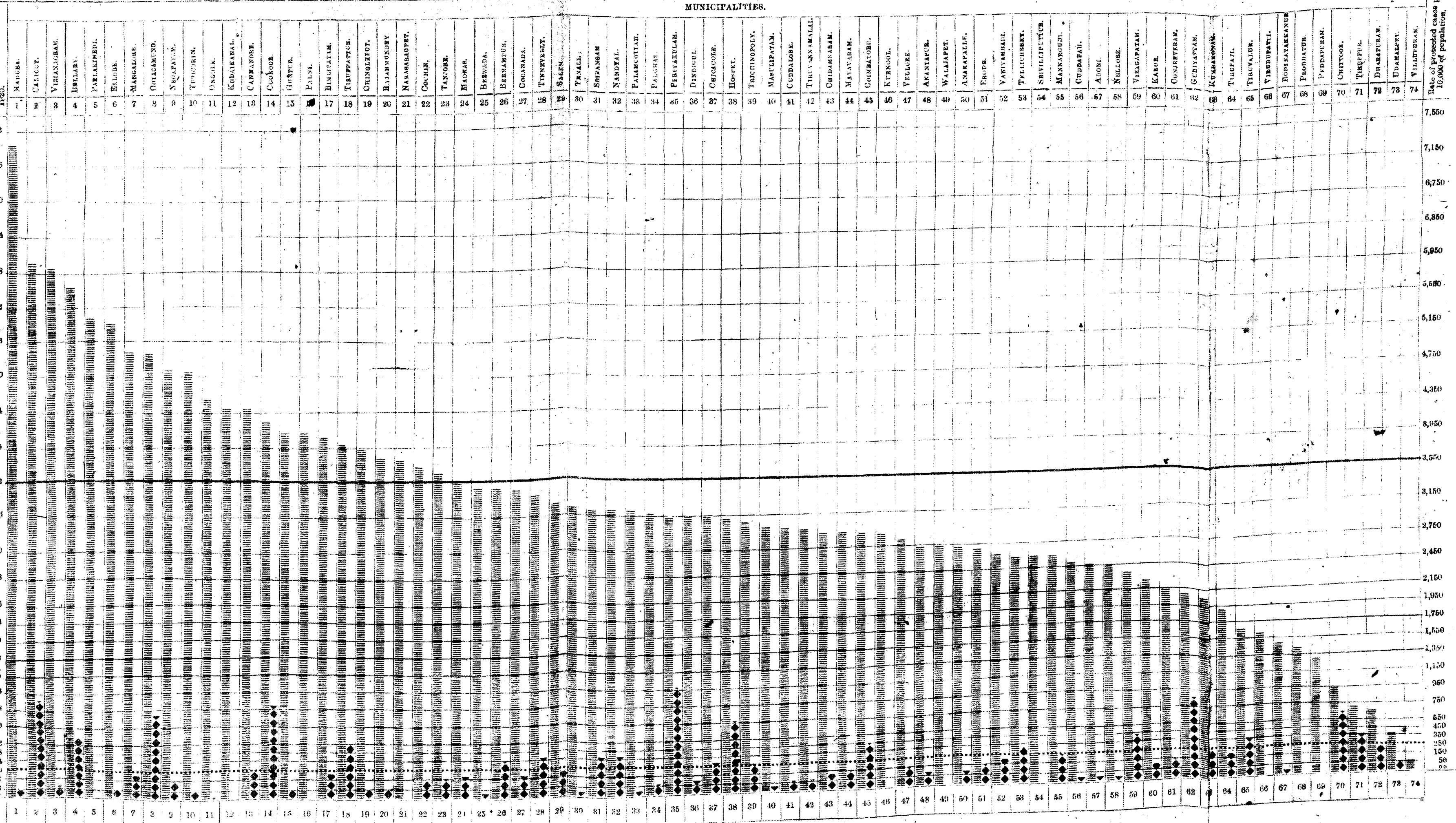
It having been reported by the Erode Municipal Council that lanoline vaccine issued by the Bangalore Institute was more efficacious and produced better results than that issued by the King Institute a series of carefully arranged tests with both lymphs were ordered and were carried out by the Deputy Sanitary Commissioners of the Central and Southern Ranges. The results which have just been completed will form the subject of a separate report.

13. 40,592 deaths occurred from smallpox against 56,488 last year and 34,953 in 1917-18. The proportion of population protected in districts and Municipalities during the year is shown in the annexed diagrams.

14. Inspection of vaccinated cases by Deputy Inspectors of Vaccination was when compared with last year on the whole satisfactory. The cent per cent verification required under the new rules was with the exception of four Deputy Inspectors of Vaccination not attained. Suitable notice has been taken of Deputy Inspectors of Vaccination who failed to inspect even the old minimum of 50 per cent.



Proportion of deaths from smallpox per 10,000 of population during 1919-1920



REFERENCE.
■■■■■■■■■■ REPRESENT THE PROPORTION OF POPULATION, PER 10,000 PROTECTED FROM SMALLPOX.
●●●●●●●● REPRESENT THE PROPORTION OF DEATHS FROM SMALLPOX PER 10,000 OF POPULATION.

15. During the year under report, two Deputy Inspectors of Vaccination died, five were punished, two with dismissal and three with reduction for submission of false diaries and serious irregularities in their work, one was fined and one warned for carelessness and unsatisfactory work.

16. The Service Registers of all the Deputy Inspectors of Vaccination have been verified and brought up to date.

17. The Vaccination Code is being revised so as to bring into line with the recent rulings on the subject.

I have the honour to be,

Sir,

Your most obedient servant,

G. G. GIFFARD, MAJOR-GENERAL, I.M.S.,

Surgeon-General with the Government of Madras (Sanitary).

VACCINATION

A—VACCINE

Statement No. 1 showing the particulars of Vaccination in the

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1911.	Average population per square mile.	Average number of vaccinators employed throughout the year.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary		
						Males.	Females.	Total.		Total number of operations.	Under 1 year.	
1	2	3	4	5	6	7			8	9	10	
1	Ganjam.	NORTHERN RANGE.										
2		Berhampur circle ...	*2,153,614	257	{	6	7,392	7,313	15,205	2,534	14,538	4,684
3		Chioacole do. ...				14	8,002	7,722	16,324	1,184	12,403	5,639
4		Aska do. ...				9	6,884	5,258	11,342	1,294	9,328	3,047
5		Parlakimedi do. ...				5	2,841	2,237	5,078	1,016	4,588	2,088
6		Purnashottapur do. ...				8	6,440	5,388	11,878	1,479	10,159	3,581
7		Ganjam Hill Tracts, North.				9	4,164	3,799	7,963	885	6,467	1,297
	Ganjam Hill Tracts, South.	7				3,760	3,421	7,181	1,026	7,146	1,793	
		Total of district ...	*2,153,614	257	53	40,083	35,138	75,221	1,397	64,439	23,138	
8	Gadchhari.	Cocanada circle ...	{	249	{	8	6,585	6,198	12,790	4,248	11,184	3,807
9		Rajahmundry do. ...				8	11,688	10,987	22,685	3,777	22,540	8,097
10		Polavaram do. ...				8	3,787	3,768	7,535	2,512	6,131	704
11		Peddapur do. ...				5	9,441	8,972	18,413	3,688	18,561	4,068
12		Bhadraohlam do. ...			6	1,314	1,240	2,553	427	2,898	450	
		Total of district ...	1,534,896	249	23	32,720	31,181	63,901	2,778	62,309	11,992	
13	Guntur.	Guntur circle ...	{	283	{	6	7,539	6,850	14,455	2,409	13,498	3,836
14		Narasapur circle ...				5	7,327	6,408	13,739	2,746	12,188	3,461
15		Bapatla do. ...				5	7,691	7,018	14,714	2,178	8,117	2,119
16		Total of district ...				1,614,702	283	20	27,315	24,867	52,182	2,955
17	Kistna.	Ellore circle ...	{	319	{	4	6,760	6,891	13,651	3,285	15,367	3,734
18		Masulipatam circle ...				4	8,598	8,921	17,519	3,879	18,289	3,549
19		Bezwada do. ...				6	8,991	8,832	17,823	2,888	17,812	5,451
20		Narasapur do. ...				4	7,207	6,771	13,978	3,021	14,192	2,194
21		Tanuku do. ...				3	6,838	5,791	12,629	4,061	12,826	4,008
		Total of district ...	1,884,726	319	21	38,429	34,255	72,684	3,474	73,466	18,861	
22	Nellore.	Nellore circle ...	{	162	{	3	3,732	3,716	7,448	2,180	7,408	826
23		Atmakur do. ...				4	4,633	3,978	8,611	3,100	7,010	1,510
24		Kavali do. ...				4	7,168	6,897	14,065	3,501	13,757	2,788
25		Gudur do. ...				4	4,798	4,827	9,125	2,280	9,590	1,878
26		Kanigiri do. ...				4	6,706	5,452	12,158	3,039	11,307	1,079
		Total of district ...	1,294,906	162	19	27,082	24,308	51,390	2,706	50,527	8,023	
27	Vizagapatam.	Vizagapatam circle ...	{	...	{	4	9,078	10,104	19,182	4,796	14,444	3,076
28		Narasapatam do. ...				4	9,805	11,160	20,965	4,741	17,116	3,879
29		Government vaccinators (Gudem hills).				2	754	708	1,462	731	1,811	44
30		Vizianagaram circle ...				4	9,996	9,683	19,679	4,922	16,127	2,261
31		Chipurupalli do. ...				4	8,490	8,265	16,755	4,189	16,226	3,465
32		Government vaccinators, Palkonda Agency.			1	180	153	333	383	84	36	
		Purvatipuram circle ...			4	6,968	7,198	14,155	3,539	12,898	2,580	
		Ganpur do. ...			4	4,948	4,324	9,272	2,318	4,554	504	
		Total of district ...	*2,454,029	...	27	50,218	49,800	99,818	3,097	88,000	15,934	
33	Koraput.	Jeyapore Circle ...	{	74	{	4	8,176	3,223	6,399	1,600	7,345	409
34		Koraput do. ...				5	5,785	5,575	11,340	2,288	10,899	1,882
35		Nowrangapur ...				4	6,180	5,510	11,700	2,925	11,572	1,178
		Total of district ...	624,890	74	13	15,181	14,308	29,439	2,266	29,816	2,940	
		Total of circles in the Northern range.	11,591,763		181	230,978	218,118	444,001	2,463	411,568	92,739	
		Total of Medical Sub-ordinates.				5,013	129	5,142				

* Includes Hill Tracts.

STATEMENTS.

DEPARTMENT.

Madras Presidency for the official year 1919-20.

vaccination.		Re-vaccination.		Percentage of successful cases in which the results were known.		Percentage of unknown cases to total cases.		Average annual number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from smallpox during previous 5 years.	
Successful.											
1 and under 6 years.	Total of all ages.	Unknown.	Total number of operations.	Successful.	Unknown.	Primary vaccination.	Re-vaccination.	Persons successfully vaccinated per 1,000 of population.	Primary vaccination.	Re-vaccination.	Ratio per 1,000.
11	12	13	14	15	16	17	18	19	20	21	22
6,158	11,464	916	852	652	38	84.1	89.1	63	4.5	...	...
4,399	10,149	947	4,049	3,222	374	88.0	87.7	7.0	9.2	...	...
4,145	7,738	606	2,832	2,115	378	88.7	86.6	6.5	13.3	...	...
1,490	3,696	228	742	637	33	87.5	89.7	5.5	4.8	...	...
4,448	8,443	627	2,077	1,651	222	88.6	89.1	6.1	10.6	...	...
3,328	5,792	319	2,796	2,155	325	94.2	87.2	4.9	11.6	...	...
3,463	6,011	443	132	83	7	89.1	62.9	6.2	5.0	...	...
27,360	53,237	4,016	13,607	10,518	1,376	89.1	86.7	20.8	6.2	10.2	71,761
4,179	8,469	1,004	3,223	1,802	589	82.4	68.2	9.0	19.0	...	...
10,978	15,106	2,249	2,051	233	338	74.4	17.2	13.8	16.9	...	...
2,308	4,074	679	1,400	983	260	73.4	81.0	9.4	17.4	...	...
7,693	12,472	1,693	1,591	616	476	77.3	19.3	8.6	23.6	...	...
985	1,589	475	258	101	74	64.9	44.9	16.4	24.7	...	...
20,114	41,634	6,016	8,924	8,337	1,788	75.2	53.4	39.7	11.1	13.5	46,202
4,765	8,778	2,000	1,810	210	177	76.9	18.5	14.9	12.5	...	...
4,270	8,091	1,597	1,819	617	339	74.1	48.0	18.1	20.6	...	...
2,885	4,303	665	1,252	425	283	61.4	48.7	8.1	22.6	...	...
6,656	10,728	811	486	192	16	75.5	36.8	5.4	9.5	...	...
18,276	32,370	5,072	4,697	1,414	830	74.0	36.9	20.9	10.4	18.0	57,612
7,886	12,631	1,098	1,205	720	149	87.2	68.2	6.5	12.4	...	...
6,209	10,395	1,519	4,030	1,977	811	83.7	89.5	11.6	20.2	...	...
5,871	12,068	1,038	1,219	421	119	71.9	88.5	9.3	9.8	...	...
6,133	9,255	2,177	1,285	449	278	77.0	14.3	15.9	21.0	...	...
5,618	10,509	1,009	1,198	547	136	88.9	51.0	7.9	11.4	...	...
31,472	54,758	7,674	8,947	4,014	1,436	82.9	51.4	31.2	10.0	16.8	65,969
2,451	4,582	604	159	59	21	69.0	42.8	18.0	13.2	...	...
8,677	5,630	646	741	256	775	53.4	33.4	3.2	27.7	...	...
5,320	8,741	801	1,031	415	165	67.3	47.8	5.8	15.8	...	...
2,114	7,423	521	972	702	87	78.5	70.3	5.2	9.0	...	...
4,476	5,312	1,471	2,267	940	638	69.7	58.1	13.1	23.3	...	...
32,038	32,188	4,483	5,160	2,409	1,114	69.8	59.1	26.7	8.8	21.6	36,279
5,804	8,790	1,938	4,893	1,997	990	69.7	48.8	12.7	16.3	...	...
7,766	12,241	1,778	2,387	1,036	187	79.8	48.5	10.4	7.8	...	...
437	997	173	177	113	33	87.6	78.5	18.1	18.6	...	...
6,488	9,385	1,510	3,653	349	92	63.7	9.5	9.4	2.5	...	...
6,434	10,454	1,749	1,326	463	74	72.2	37.0	10.8	5.8	...	...
153	806	...	...	7	...	84.4	77.8	...	...	...	...
4,786	7,800	1,806	2,138	537	93	67.3	26.3	10.1	4.3	...	...
2,155	3,804	222	4,738	2,022	705	87.8	65.1	4.9	14.9	...	...
88,523	58,727	8,576	19,821	7,145	1,987	72.2	41.2	24.8	10.8	10.8	92,780
2,205	3,603	817	921	659	111	53.5	81.4	...	8.4	12.1	...
3,040	6,489	965	1,786	971	357	68.4	65.7	...	8.7	14.8	...
4,991	7,197	1,122	793	806	176	69.9	59.6	...	9.7	22.2	...
11,136	17,289	2,645	2,448	1,998	544	64.8	69.7	30.9	9.0	15.8	24,554
160,919	285,253	39,026	68,955	31,436	9,094	76.5	57.2	27.4	9.5	14.2	394,267
...	...	...	5,142	3,709	283	...	76.3	...	...	5.5	...

A—VACCINE

Statement No. I showing the particulars of Vaccination in the

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1911.	Average population per square mile.	Average number of vaccinators employed throughout the year.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary	
						Males.	Females.	Total.		Total number of operations.	Under 1 year.
1	2	3	4	5	6	7			8	9	10
NORTHERN RANGE— cont.											
1	Municipalities.	Anakāpalle	20,625	2,392	1	576	261	837	837	512	325
2		Berhampur	31,456	5,242	1	541	359	900	900	678	222
3		Bezwa	32,967	5,976	2	1,012	774	1,786	893	1,591	1,061
4		Bimlipatam	9,314	17,911	1	318	261	577	577	368	160
5		Chicacole	17,852	5,951	1	456	864	840	840	366	286
6		Cocanada	54,110	9,018	2	2,674	1,984	4,608	2,304	2,085	981
7		Ellore	37,819	12,006	2	1,725	1,251	2,976	1,488	2,640	1,492
8		Guntūr	42,625	8,134	2	1,302	796	2,098	1,049	1,254	1,053
9		Masulipatam	42,128	2,108	3	1,064	869	1,933	644	1,453	1,013
10		Narasaraopet	8,743	4,371	1	365	284	619	619	580	197
11		Nellore	33,246	8,312	1	817	407	1,224	1,224	652	384
12		Ongole	13,286	3,321	1	430	348	777	777	501	298
13		Parlakimedi	18,870	12,612	1	630	289	868	662	601	265
14		Poddapur	15,496	2,572	1	391	201	492	492	345	216
15		Rajahmundry	48,417	14,325	3	2,171	846	3,017	1,508	1,911	1,108
16		Tenali	18,196	5,851	1	860	351	1,211	711	718	405
17		Visagapatam	48,413	8,349	2	2,083	1,312	3,395	1,682	1,160	583
18		Vizianagaram	37,550	7,610	2	2,231	1,648	3,929	1,964	2,109	1,124
Total of Municipalities in the Northern Range.			525,447	...	27	19,932	12,895	31,427	1,164	19,504	11,558
Grand Total of Northern range.			12,087,210	...	203	255,018	225,642	480,680	2,286	481,378	305,307
CENTRAL RANGE.											
1	Anantapur.	Anantapur circle	...	...	3	3,708	3,086	6,794	2,265	6,244	1,972
2		Penukonda do.	954,766	142	4	4,659	4,482	9,341	2,348	9,074	3,299
3		Goity do.	...	...	4	3,702	3,217	6,919	1,780	6,065	1,810
4		Dharmavaram do.	...	...	4	5,378	3,552	8,925	2,231	7,393	1,687
Total of district			954,766	142	15	17,742	14,287	32,029	2,135	29,316	8,968
5	Bellary.	Bellary circle	...	...	5	4,051	3,142	7,193	1,429	6,520	1,623
6		Adoni do.	885,164	156	5	5,310	4,688	9,948	1,990	9,994	5,435
7		Harpanahalli do.	...	...	4	4,051	3,769	7,820	1,955	7,973	2,389
Total of district			885,164	156	14	13,412	11,549	24,961	1,783	24,487	7,827
8	Chingleput.	Chingleput circle	...	...	3	5,651	5,260	10,911	3,837	10,127	5,801
9		Saidapet do.	...	...	3	5,694	5,219	10,913	3,876	10,127	4,785
10		Ponneri do.	1,340,518	436	4	7,628	7,261	14,889	3,717	14,981	5,335
11		Madurantakam do.	...	...	3	5,217	4,873	10,090	3,363	10,389	4,835
Total of district			1,340,518	436	13	24,190	22,892	47,082	8,519	46,068	20,815
12	Chittoor.	Chittoor circle	...	...	4	8,704	8,000	16,704	1,678	6,389	2,007
13		Karvetnagar do.	1,206,892	215	6	8,617	8,247	16,864	2,810	17,306	5,281
14		Madanapalle do.	...	...	5	6,047	6,895	12,942	2,608	13,598	4,554
Total of district			1,206,892	215	15	18,968	17,642	36,610	2,440	37,231	11,842
15	Cuddapah.	Cuddapah circle	...	...	4	3,189	2,650	5,839	1,460	7,422	781
16		Rajampet do.	...	...	4	5,065	4,378	9,443	2,361	8,875	1,621
17		Rayachoti do.	860,435	146	3	4,241	4,000	8,241	2,747	8,720	2,605
18		Jammalamadugu do.	...	...	4	8,761	8,103	16,864	1,716	7,189	1,509
Total			860,435	146	15	18,256	14,131	30,387	2,026	32,216	6,710
19	Kurnool.	Kurnool circle	...	...	3	2,859	2,244	5,103	2,551	4,882	1,529
20		Markapur do.	...	...	4	4,143	3,695	7,237	1,809	8,456	1,981
21		Nandyal do.	4,892,929	118	3	3,711	3,228	6,939	2,313	7,701	1,794
22		Dhone do.	...	...	4	4,144	3,524	7,668	1,917	8,068	2,321
23		Koilkuntla do.	...	...	3	3,124	2,146	5,270	1,757	4,475	758
Total of district			4,892,929	118	16	17,980	14,327	32,317	2,013	33,654	8,163

* Excludes Sandur (8,526).

† Excludes Banganapalle (89,344).

DEPARTMENT—cont.

Madras Presidency for the official year 1919-20—cont.

vaccination.			Re-vaccination.			Percentage of successful cases in which the results were known.		Persons successfully vaccinated per 1,000 of population.	Percentage of unknown cases to total cases.		Average annual number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from smallpox during previous 5 years.	
Successful.			Total number of operations.			Primary vaccination.			Primary vaccination.		Number.		Ratio per 1,000.	
1 and under 6 years.	Total of all ages.	Unknown.	Total number of operations.	Successful.	Unknown.	Primary vaccination.	Re-vaccination.		Primary vaccination.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
68	461	...	890	270	1	90.0	82.0	35.4	...	0.3	738	38.7	38	1.7
65	643	...	309	241	16	95.5	82.3	28.1	0.7	5.2	1,705	54.2	40	1.3
807	1,506	...	201	171	11	97.2	90.0	51.0	2.6	6.6	1,467	44.6	48	1.3
55	915	...	377	243	...	86.9	64.5	60.2	0.5	...	549	18.9	2	0.2
88	1,000	...	474	429	...	96.4	90.5	43.8	...	...	744	41.7	11	0.6
539	1,506	47	2,703	2,418	85	83.5	92.4	79.9	2.3	8.1	2,575	47.6	71	1.3
923	2,407	11	363	237	41	94.9	78.6	72.3	0.4	11.3	2,829	74.8	65	1.7
169	1,225	...	856	603	83	95.4	78.0	42.9	...	9.7	2,773	51.0	7	0.1
251	1,812	8	521	422	1	90.5	81.2	41.2	0.2	0.2	1,898	45.1	75	1.8
189	386	14	142	78	23	78.7	65.5	54.2	2.6	16.2	724	22.8	32	0.8
70	414	69	686	230	217	85.7	49.0	19.4	12.5	31.6	1,258	37.9	2	0.3
127	427	13	204	181	2	87.5	89.6	45.8	2.6	0.9	806	20.7	23	1.7
85	426	17	584	338	22	88.0	53.4	41.6	3.4	5.7	1,632	28.8	36	2.0
151	445	...	111	65	24	81.7	74.7	33.0	...	21.6	379	24.6	9	0.6
627	1,735	...	1,106	697	181	90.8	75.4	50.2	...	16.4	2,556	52.8	177	3.8
141	648	1	42	26	5	89.7	70.3	36.8	0.1	11.9	835	45.9	16	0.8
328	929	9	2,264	579	337	80.7	80.0	34.7	0.8	14.0	1,486	34.2	32	0.7
388	1,680	54	2,238	1,657	147	81.8	74.5	86.2	2.6	6.6	3,306	87.9	29	0.8
4,573	17,316	289	13,311	8,768	1,196	90.1	72.5	49.6	1.5	9.0	28,315	53.9	734	1.3
174,492	802,569	39,312	82,408	43,850	10,573	77.2	61.0	28.7	9.1	12.8	422,582	25.0	9,985	0.8
2,689	4,809	698	655	181	53	85.8	30.1	...	10.2	8.1	...	...	...	...
3,152	6,892	1,131	1,196	487	273	84.3	52.8	...	12.5	22.3	...	...	...	...
2,580	4,083	1,064	439	120	53	72.9	31.1	...	16.0	12.1	...	...	...	...
2,577	4,529	1,027	2,681	1,522	386	73.0	67.8	...	14.2	14.7	...	...	...	...
10,978	20,118	3,881	4,921	2,310	766	79.3	55.6	23.5	13.2	15.5	25,084	26.3	662	0.7
2,138	4,134	911	1,195	369	301	78.7	41.3	...	14.0	25.2	...	...	...	...
2,492	5,977	1,511	401	83	111	70.5	29.3	...	15.1	27.7	...	...	...	...
2,952	5,540	808	684	285	110	77.3	49.7	...	10.1	16.1	...	...	...	...
7,492	15,651	3,230	2,380	739	522	73.6	42.0	18.5	13.2	22.9	24,990	28.2	984	1.1
1,960	7,472	1,256	1,045	476	212	78.7	57.1	...	13.8	20.3	...	...	...	...
1,655	7,180	1,662	898	458	184	84.2	61.3	...	16.4	20.5	...	...	...	...
3,210	8,601	2,018	1,040	815	142	60.6	35.1	...	13.5	13.7	...	...	...	...
2,228	7,372	1,267	930	509	185	80.7	68.3	...	12.2	19.9	...	...	...	...
9,073	30,575	6,208	3,913	1,738	723	76.7	54.5	24.1	13.5	18.5	31,500	23.5	1,152	0.9
2,475	4,698	627	818	249	125	80.5	35.9	...	9.9	15.3	...	...	...	...
6,838	12,354	2,759	579	214	183	84.9	54.0	...	15.9	31.6	...	...	...	...
5,018	9,789	1,454	775	297	178	80.7	49.7	...	10.7	23.0	...	...	...	...
14,331	26,741	4,840	2,172	760	486	82.6	45.1	22.8	13.0	22.4	32,849	27.2	1,105	0.9
2,878	4,022	774	422	101	60	60.5	27.9	...	10.4	14.2	...	...	...	...
3,548	5,773	1,060	946	377	172	73.9	48.5	...	11.9	18.1	...	...	...	...
2,711	5,788	1,202	829	487	184	77.2	67.2	...	14.8	16.2	...	...	...	...
2,584	4,482	820	98	54	19	70.3	73.0	...	11.4	20.4	...	...	...	...
11,071	20,015	3,946	3,293	999	385	70.8	52.4	24.4	12.2	16.8	24,298	26.2	748	0.9
1,785	3,484	268	955	477	63	76.4	53.5	...	5.5	6.6	...	...	...	...
3,004	5,080	1,127	1,030	319	288	69.0	40.3	...	13.3	26.7	...	...	...	...
8,460	5,606	587	541	185	72	80.1	35.2	...	7.6	18.3	...	...	...	...
2,775	5,302	607	946	205	63	70.9	23.2	...	7.5	6.6	...	...	...	...
1,574	2,518	542	695	161	138	62.4	28.7	...	11.8	19.9	...	...	...	...
12,548	22,060	3,131	4,217	1,327	624	72.3	36.9	26.2	9.3	14.8	29,531	33.1	576	0.6

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 1911.	Average population per square mile.	Average number of vaccinators employed throughout the year.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary	
						Males.	Females.	Total.		Total number of operations.	Under 1 year.
1	2	3	4	5	6	7			8	9	10
CENTRAL RANGE— cont.											
24	North Arcot.	Vellore circle	1,826,742	371	3	5,451	5,561	10,512	3,504	9,858	8,848
25		Ranipettai do.			4	6,399	5,959	12,358	3,090	12,896	5,704
26		Polar do.			5	7,771	7,493	15,264	3,053	15,612	4,984
27		Jalarpet do.			2	6,694	6,505	13,199	4,400	12,257	4,801
28		Cheygar do.			8	6,048	5,910	11,958	3,988	11,922	5,429
		Total of district	1,826,742	371	18	32,368	30,928	63,291	3,516	62,545	24,741
29	Salem.	Salem circle	1,707,527	356	4	7,111	6,843	14,004	3,501	14,794	5,976
30		Sankari do.			5	8,797	8,159	16,956	3,391	16,023	3,482
31		Dharmapuri do.			4	5,913	5,571	11,484	2,871	10,301	3,391
32		Hosur do.			3	4,403	4,115	8,517	2,839	7,987	2,185
33		Namakkal do.			3	4,781	4,598	9,379	3,126	9,343	2,885
		Total of district	1,707,527	356	19	31,003	29,336	60,339	3,176	58,416	17,849
34	South Arcot.	Cuddalore	2,268,508	545	4	6,814	7,243	14,057	3,514	11,823	4,789
35		Chidambaram			5	7,586	7,268	14,854	2,971	15,722	5,873
36		Tirukkoyilur			6	9,480	7,895	17,375	2,896	17,180	6,639
37		Tindivanam			5	6,533	6,002	12,535	2,501	12,750	8,340
		Total of district	2,268,508	545	20	30,383	28,408	58,791	2,930	57,496	17,620
		Total of circles in the Central Range.	11,942,481		145	202,297	183,380	385,677	2,660	381,849	122,035
		Total of Medical Subordinates.				3,809	61	3,870		485	4
1	Municipalities.	Adoni	31,645	2,281	1	612	403	1,015	1,015	869	769
2		Anantapur	8,457	940	1	283	137	420	420	388	300
3		Bellary	84,956	6,991	3	1,558	1,081	2,589	863	1,908	1,349
4		Chidambaram	21,327	10,633	1	637	307	944	944	653	437
5		Chingleput	11,028	9,301	1	532	170	702	702	396	294
6		Chittoor	15,149	2,019	1	502	282	784	784	446	281
7		Conjeevaram	53,864	13,466	2	1,093	773	1,866	933	1,436	898
8		Cuddalore	56,574	4,254	2	1,445	1,010	2,455	1,227	2,075	1,605
9		Cuddapah	17,807	903	1	441	299	740	740	379	428
10		Gudiyattam	23,390	19,655	1	362	322	684	684	676	606
11		Hosur	17,071	5,644	1	395	381	776	736	682	467
12		Kurnool	26,040	5,308	1	670	459	1,129	1,139	1,053	617
13		Madras	518,660	12,209	15*	17,616	11,415	29,081	1,985	16,738	12,581
14		Nandyal	16,236	3,246	1	519	346	865	695	587	296
15		Proddatur	15,756	3,939	1	379	276	655	655	618	300
16		Salem	59,153	13,984	2	1,691	1,358	3,049	1,525	2,682	2,412
17		Tirupattur	10,470	4,188	1	425	264	689	689	574	354
18		Tirupati	16,701	5,000	1	271	194	465	465	388	341
19		Tiruvannamalai	21,244	1,981	1	562	473	1,035	1,035	946	674
20		Vaiyambadi	20,406	5,830	1	450	449	899	899	898	702
21		Vellore	49,746	8,102	2	1,483	981	2,444	1,222	1,954	1,465
22		Villupuram	16,157	4,039	1	115	115	230	230	223	150
23		Walajpet	9,962	9,962	1	198	177	375	375	351	255
		Total of Municipalities in Central Range.	1,072,991		43	32,089	21,663	53,652	1,248	37,062	27,467
1	Military Cantonment.	Bangalore	109,834	7,447	2	2,386	805	3,191	1,595	258	212
2		Secunderabad	103,879	5,467	5	4,538	6,284	10,772	2,154	4,878	1,940
		Total of Cantonments	213,713	6,291	7	6,924	7,039	18,963	1,995	5,181	2,152
		Grand Total of Central Range.	13,015,472		195	244,819	212,043	456,862	2,325	424,007	152,558

* Medical Vaccinators. Besides these 10 Assistant Vaccinators and 2 female Vaccinators were employed during the first half of the year and 81 Assistant Vaccinators, 2 special Vaccinators and 2 female Vaccinators during the second half of the year.

DEPARTMENT—cont.

Madras Presidency for the official year 1919-20—cont.

vaccination.			Re-vaccination.			Percentage of successful cases in which the results were known.		Persons successfully vaccinated per 1,000 of population.	Percentage of unknown cases to total cases.		Average annual number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from smallpox during previous 5 years.											
Successful.																								
1 and under 6 years.	Total of all ages.	Unknown.	Total number of operations.	Successful.	Unknown.	Primary vaccination.	Re-vaccination.		Primary vaci- nation.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.										
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25										
3,785 4,010 5,337 5,249 4,879	7,719 9,817 10,538 7,073 10,474	948 914 2,087 2,327 801	1,297 805 302 1,188 1,131	827 295 91 460 528	184 98 80 290 422	86.6 81.9 83.8 80.4 94.2	54.7 41.7 41.0 51.2 73.8	{ ... }	9.8 7.1 19.1 19.0 6.7	10.8 12.2 26.5 24.4 37.3	{ ... }	{ ... }	{ ... }	{ ... }										
30,300	46,572	7,972	5,123	2,196	1,074	65.8	54.2		26.7	12.7					21.0	50,506	27.7	2,211	1.2					
5,285 6,388 2,870 1,504 4,110	11,535 10,176 6,743 3,728 6,920	1,563 1,303 1,263 3,427 780	298 1,009 1,905 777 285	75 322 1,137 142 87	49 90 252 459 34	87.2 69.1 74.6 82.3 80.8	30.1 34.7 68.8 44.7 33.3		{ ... }	10.6 8.1 12.3 43.1 8.3					16.4 7.9 13.2 59.1 8.4	{ ... }	{ ... }	{ ... }	{ ... }					
20,102	39,102	8,341	4,274	1,763	864	78.1	51.7			23.9					14.3					20.2	47,683	27.9	1,428	0.8
1,882 2,661 5,914 4,325	6,815 10,066 7,888 8,081	2,779 3,052 4,203 2,032	2,322 807 1,085 483	995 198 258 125	641 171 183 201	75.3 77.1 65.0 74.6	59.2 81.1 28.6 42.1			{ ... }					23.5 17.1 28.5 15.9					27.6 21.2 16.9 40.3	{ ... }	{ ... }	{ ... }	{ ... }
14,073	32,839	12,396	4,712	1,576	1,196	72.9	44.8	15.2			21.6	35.4	55,204	24.1	2,542					1.1				
190,467	258,718	53,920	33,905	13,408	6,839	77.5	49.2	22.4			14.1	19.6	325,246	27.2	11,409					1.0				
5	260	28	3,105	1,907	74	59.5	62.9	...	6.0		2.4	...	...	...	...									
46 56 3.4 99 49 113 86 339 .84 54 155 295 1,882 214 165 215 154 19 164 164 882 59 44	820 287 1,680 589 360 396 990 1,394 515 668 613 974 14,483 540 483 2,627 525 360 896 876 1,808 210 302	40 19 1 16 13 14 76 36 12 4 10 625 1 1 8 1 1 3 1 1 7	148 114 704 324 328 361 570 402 201 30 52 132 12,514 119 54 369 115 77 89 5 490 7 40	132 102 380 242 264 59 231 235 48 26 20 21 3,664 106 33 261 94 80 82 3 181 4 22	14 5 48 50 55 140 115 80 75 4 20 40 3,627 920 4 78.8 97.9 93.8 92.8 94.8 97.8 92.6 94.6 87.8	100.0 93.6 57.9 88.8 96.7 26.7 50.8 73.0 38.1 100.0 60.4 22.8 40.1 89.1 66.0 70.7 83.2 66.3 93.2 60.0 83.0 100.0 66.7	30.1 48.0 58.9 39.0 3.3 30.0 22.7 80.2 31.6 29.7 36.3 38.2 84.8 39.8 32.7 48.8 59.1 23.4 46.0 43.1 40.0 18.2 32.5	4.6 5.6 0.1 2.4 3.3 3.1 5.3 1.7 2.1 0.6 2.1 3.7 0.2 7.4 ...	9.6 4.4 6.8 15.4 16.8 38.8 20.2 19.9 37.3 13.3 7.7 30.3 29.0 ...		1,106 315 2,784 952 680 489 1,719 2,479 326 718 797 1,059 28,723 795 438 2,623 644 457 892 782 2,020 ...	34.9 37.2 79.6 44.6 58.5 32.3 31.9 43.8 35.2 30.7 45.1 40.7 55.4 49.0 27.8 44.3 61.5 27.4 42.0 38.3 40.6 ...	10 18 14 37 8 18 35 25 18 50 6 20 257 6 2 123 47 6 76 14 59 ...	0.3 2.1 0.4 1.7 0.3 1.2 0.6 0.4 1.0 2.1 0.3 0.8 0.5 0.4 0.1 2.1 4.5 0.4 3.6 0.7 1.2 ...										
5,102	32,996	902	17,243	6,149	4,578	91.2	48.8	38.5	2.4	2.5	51,113	48.4	832	0.8										
11 1,245	223 3,784	... 748	2,983 6,278	1,749 2,962	761 819	86.4 80.2	80.5 49.7	19.6 65.0	...	25.9 5.9	706 6,092	7.0 58.6	60 8	0.6 0.1										
1,256	4,012	148	9,206	4,711	1,050	60.5	53.0	42.6	2.9	11.7	6,787	33.2	68	0.3										
126,830	290,076	54,998	63,459	20,175	12,371	79.9	51.2	23.7	13.0	19.5	383,483	29.1	12,241	0.9										

A—VACCINE

Statement No. 1 showing the particulars of Vaccination in the

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1911.	Average population per square mile.	Average number of vaccinators employed throughout the year.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary		
						Males.	Females.	Total.		Total number of operations.	Under 1 year.	
1	2	3	4	5	6	7			8	9	10	
1	Coimbatore.	SOUTHERN RANGE.										
2		Satyamangalam circle...	2,032,856	286	{	5	8,086	7,313	15,399	3,080	14,194	4,303
3		Pollachi do. ...										
4		Erode do. ...										
5		Coimbatore do. ...										
6	Tirupur do. ...											
		Total of district ...	2,032,856	286	23	38,264	36,069	74,333	3,231	72,361	16,097	
7	Madura.	Madura circle ...	1,718,613	354	{	3	8,745	6,333	11,098	3,629	10,755	3,741
8		Dindigul do. ...										
9		Palni do. ...										
10		Periyakulam do. ...										
		Tirumangalam do. ...										
		Total of district ...	1,718,613	354	18	30,799	27,451	58,250	3,236	56,404	24,132	
11	Malabar.	Malappuram circle ...	2,809,117	485	{	6	11,723	11,771	23,494	3,915	20,429	7,367
12		Calicut do. ...										
13		Tellicherry do. ...										
14		Palghat do. ...										
15		Ponnani do. ...										
		Total of district ...	2,809,117	485	32	56,965	56,370	113,335	3,541	95,891	36,375	
16	The Nilgiris.	The Nilgiris circle ...	89,856	89	3	2,636	1,625	4,161	1,387	3,574	825	
		Total of district ...	89,856	89	3	2,636	1,625	4,161	1,387	3,574	825	
17	Kannad.	Ramnád circle ...	1,808,032	337	{	6	8,524	7,347	15,875	2,646	14,178	8,319
18		Manamadurai circle ...										
19		Tirupattur circle ...										
20		Sivakasi circle ...										
		Total of district ...	1,808,032	337	18	27,059	23,075	50,134	2,785	46,979	12,758	
21	South Kanara.	Kandapur Circle ...	1,142,860	285	{	4	6,431	6,038	12,469	3,117	11,441	2,616
22		Kasaragod do. ...										
23		Mangalore do. ...										
24		Karkal do. ...										
		Total of district ...	1,142,860	285	18	28,352	25,899	54,051	3,003	50,042	12,869	
25	Tanjore.	Tanjore circle ...	2,108,014	578	{	5	7,274	6,862	14,136	2,827	14,164	2,940
26		Patukkottai do. ...										
27		Mayavaram do. ...										
28		Negapatam do. ...										
		Total of district ...	2,108,014	578	19	26,224	24,975	50,499	2,657	49,718	9,580	
29	Tinnevely.	Tenkasi circle ...	1,660,720	381	{	4	6,450	6,308	11,758	2,938	13,341	4,159
30		Nanguneri do. ...										
31		Koilpatti do. ...										
32		Srivakuntam do. ...										
		Total of district ...	1,660,720	381	18	26,940	24,753	50,693	2,816	60,422	17,862	
33	Trichinopoly.	Trichinopoly circle ...	1,650,501	384	{	6	7,687	6,988	14,675	2,448	18,790	2,961
34		Mudiri do. ...										
35		Ariyalur do. ...										
		Total of district ...	1,650,501	384	16	21,868	19,924	41,792	2,612	41,545	11,075	
		Total of circles in the Southern range.	14,820,589	...	165	259,009	238,231	497,240	3,013	477,086	141,174	
		Total of Medical Subordinates.	...	...	...	7,191	197	7,388	...	145	33	

* Excludes Laccadives (10,600).

† Excludes Amindivi Islands (8,956).

‡ Excludes Pondicherry (11,886).

DEPARTMENT—cont.

Madras Presidency for the official year 1919-20—cont.

vaccination.			Re-vaccination.			Percentage of successful cases in which the results were known.		Persons successfully vaccinated per 1,000 of population.	Percentage of unknown cases to total cases.		Average annual number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from smallpox during previous 5 years.	
Successful.														
1 and under 6 years.	Total of all ages.	Unknown.	Total number of operations.	Successful.	Unknown.	Primary vaccination.	Re-vaccination.		Primary vaccination.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
8,700	8,330	2,765	1,807	334	345	72.5	28.7	}	19.05	22.9	}	...	...	...
4,835	9,113	3,118	2,392	471	552	72.1	27.2		19.8	24.2				
5,083	6,984	2,460	807	173	145	68.4	37.4		19.3	23.9				
3,103	6,379	1,641	111	23	15	62.3	23.9		13.5	13.6				
4,818	3,318	3,134	828	145	100	57.7	19.9		18.05	12.1				
21,495	39,173	13,092	5,825	1,145	1,157	68.1	27.4	19.8	18.1	21.7	45,281	23.7	1,881	0.6
8,243	7,319	2,049	531	237	86	84.1	53.2	}	18.05	16.2	}	...	...	...
2,984	7,340	1,718	1,234	640	247	80.9	54.7		15.05	20.01				
2,336	6,445	1,233	1,810	772	171	74.4	47.1		12.4	9.4				
3,148	9,843	1,121	855	352	178	85.2	51.9		9.1	20.8				
2,772	8,106	1,759	522	152	167	79.3	42.8		14.7	31.9				
14,448	39,617	7,880	4,952	2,053	849	81.6	50.03	24.2	18.9	17.1	33,534	22.4	1,152	0.6
4,300	12,571	4,303	3,578	1,413	1,030	84.5	56.5	}	21.8	29.2	}	...	...	...
4,114	12,683	2,568	2,370	1,004	828	82.8	37.9		14.3	13.6				
4,384	14,315	2,344	1,907	908	110	85.02	51.3		11.7	5.5				
4,388	14,173	1,777	3,433	1,590	592	84.3	53.3		9.6	15.3				
6,459	15,474	2,412	7,069	5,027	1,402	89.6	80.2		12.2	15.3				
27,340	70,216	13,354	23,905	11,338	4,075	85.8	57.2	29.63	18.9	17.04	110,354	39.3	1,562	0.5
1,384	2,323	406	650	360	106	90.8	66.1	...	13.03	16.3	...	...	...	...
1,389	2,323	462	650	360	106	90.8	66.1	35.4	13.03	16.3	4,396	48.9	35	0.4
4,567	8,546	2,375	1,975	498	463	71.8	32.9	}	16.05	23.4	}	...	...	...
3,318	6,535	1,808	416	65	137	76.2	23.3		17.7	32.9				
3,965	5,027	1,345	69	114	199	73.4	26.5		16.4	31.6				
3,033	9,528	2,319	1,379	411	206	80.8	37.9		16.4	21.4				
14,873	39,644	7,803	4,399	1,068	1,066	78.8	32.9		19.1	16.6				
4,401	8,243	1,489	2,402	1,386	431	82.8	70.3	}	13.01	17.9	}	...	...	...
4,395	8,191	1,489	2,764	1,072	639	79.3	50.4		15.4	23.1				
6,461	12,133	919	2,416	1,002	106	83.5	43.4		6.1	4.4				
4,096	7,530	2,537	404	154	171	87.6	47.6		22.61	34.6				
19,823	36,450	6,855	8,078	3,614	1,347	83.2	53.7		35.05	13.5				
5,531	9,027	3,237	235	82	77	81.9	65.4	}	23.2	34.2	}	...	...	...
4,281	6,593	1,537	601	137	129	74.7	27.03		14.8	21.4				
6,073	7,898	2,096	219	14	26	77.4	6.4		17.04	10.4				
4,938	8,024	2,277	653	230	132	75.5	44.1		17.6	20.2				
19,873	31,532	9,197	1,728	463	364	77.8	31.9		15.2	18.5				
2,337	6,916	3,359	1,399	338	339	62.9	36.6	}	17.7	24.2	}	...	...	...
4,472	9,781	2,143	1,145	355	246	70.4	65.1		14.3	21.5				
3,901	3,166	1,975	473	156	104	71.8	42.3		14.1	21.9				
4,613	9,831	9,761	480	87	171	64.9	28.1		19.9	35.6				
15,443	34,684	10,138	3,497	1,216	860	68.9	46.1		21.6	16.7				
8,920	7,195	2,554	1,528	426	288	61.03	34.3	}	18.5	18.8	}	...	...	...
3,978	9,001	1,735	798	261	94	76.8	37.1		12.9	11.8				
5,628	8,974	2,133	405	144	106	73.7	43.1		14.9	26.2				
13,866	25,170	6,422	2,731	831	488	71.6	37.04	15.9	15.4	17.8	45,977	27.8	1,149	0.7
148,003	300,359	75,207	55,273	22,109	10,341	76.9	49.2	22.3	15.3	18.7	445,929	30.1	10,315	0.7
13	85	50	7,243	4,805	249	89.4	70.1	...	84.4	3.4	...	...	...	...

A—VACCINE

Statement No. I showing the particulars of Vaccination in the

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1911.	Average population per square mile.	Average number of vaccinators employed throughout the year.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary	
						Males.	Females.	Total.		Total number of operations.	Under 1 year.
1	2	3	4	5	6	7			8	9	10
SOUTHERN RANGE											
—cont.											
1	Municipalities.	Bodināyakkannūr	20,205	5,051	1	315	323	637	637	661	453
2		Calicut	78,417	7,841	3	8,749	2,746	6,535	2,178	3,349	2,304
3		Cannanore	28,957	5,046	1	924	581	1,455	1,455	1,413	659
4		Cochin	20,023	20,023	1	513	280	793	793	580	309
5		Coimbatore	47,007	11,000	3	1,965	1,352	3,217	1,074	2,459	1,766
6		Coonoor	9,933	9,933	1	821	336	657	657	294	119
7		Dharmaparam	20,000	8,000	1	224	225	449	449	505	262
8		Diadigul	25,032	9,035	1	632	471	1,103	1,103	1,027	697
9		Ernde	16,701	7,732	1	293	385	678	678	618	389
10		Karūr	17,674	17,674	1	409	383	792	792	601	423
11		Kodaikānal	2,006	2,006	1	1,007	846	1,913	887	1,579	1,149
12		Kumbakōnam	14,647	14,647	1	8,316	5,663	14,579	1,215	8,400	5,167
13		Madurai	134,130	19,990	13	1,840	1,365	3,095	1,517	2,429	1,433
14		Mangalore	48,412	8,802	2	464	824	1,288	1,288	784	570
15		Mannargudi	21,335	3,846	1	815	452	1,267	1,267	939	735
16		Mayavaram	27,121	9,040	1	2,697	1,463	4,160	1,389	3,022	1,979
17		Nagapattam	60,188	12,009	3	2,181	1,482	3,662	1,831	616	514
18		Onsacumund	18,829	1,448	2	1,223	600	1,823	914	1,508	1,089
19		Palamcottah	44,909	11,227	2	1,227	1,024	2,255	1,127	2,023	1,320
20		Palghat	44,319	4,185	2	320	185	494	494	207	237
21		Palni	13,211	7,549	1	477	427	904	904	815	667
22		Periyakulam	18,715	18,715	1	539	425	964	964	948	519
23		Srirangam	24,799	3,542	1	597	429	1,028	1,028	1,032	755
24		Strivilliputtār	29,036	23,253	1	1,879	1,058	2,932	977	2,484	1,340
25		Tanjore	60,341	8,045	3	717	596	1,313	656	811	677
26		Tellicherry	29,254	11,703	2	1,321	1,061	2,382	1,191	2,318	1,403
27		Tinnevely	44,805	7,467	2	849	389	638	638	574	216
28		Tirupur	10,897	3,833	1	308	243	611	611	530	303
29		Tiruvālar	21,000	21,000	1	3,540	2,583	6,123	1,531	5,444	2,304
30		Triehinopoly	123,512	15,375	4	1,146	855	2,001	1,825	1,825	1,041
31		Tuticoria	40,185	11,431	1	161	144	305	305	305	133
32		Udamalpet	15,000	5,000	1	422	352	774	774	729	476
33		Virudupatti	21,355	7,118	1						
		Total of Municipalities.	1,200,016	...	61	41,554	28,575	70,129	1,181	51,319	31,314
		Grand Total of Southern Range.	16,080,615	...	227	807,754	567,003	1,374,757	1,249	626,510	372,520
		Grand Total	41,183,297	311	630	807,591	704,689	1,512,279	7,110	1,383,889	439,355

* Vide under Dispensary Vaccination Statement No. III.

† In finding out the average number of persons vaccinated, the total work of medical subordinates is excluded.

Note.—(1) Difference between number of operations and number of persons vaccinated equals 100,994 which represents secondary operations.

(2) This statement does not include the statistics of dispensary vaccination which are exhibited separately in statement No. III.

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

DEPARTMENT—cont.

Madras Presidency for the official year 1912-20—cont.

vaccination.			Re-vaccination.			Percentage of successful cases in which the results were known.		Persons successfully vaccinated per 1,000 of population.	Percentage of unknown cases to total cases.		Average annual number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from smallpox during previous 5 years.	
Successful.			Total number of operations.	Successful.	Unknown.	Primary vaccination.	Re-vaccination.		Primary vaccination.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
1 and under 6 years.	Total of all ages.	Unknown.												
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
132	585	...	8,389	2,775	25	88.6	62.5	29.3	...	...	816	40.4	4	0.2
570	5,100	...	493	299	19	95.03	84.3	75.9	0.1	0.7	6,981	89.02	243	3.1
309	1,341	20	272	62	48	89.1	63.1	53.2	1.4	3.8	1,985	67.8	107	3.7
23	8.6	20	775	393	27	73.05	27.7	21.3	5.5	17.6	1,179	58.9	76	3.8
379	2,189	14	363	191	45	89.5	53.2	55.03	0.6	3.5	1,898	40.4	205	4.3
108	224	15	191	45	40.3	60.1	41.8	5.1	12.4	6.8	668	67.2	13	1.3
61	323	4	8	2	4	81.5	50.0	13.2	0.8	50.0	359	17.9	17	0.8
150	864	31	178	115	27	86.7	76.2	39.1	3.02	15.2	1,146	45.7	45	1.8
90	461	49	28	1	22	81.02	16.7	27.6	7.9	78.6	625	37.4	38	2.3
37	466	1	199	109	4	93.2	55.9	32.5	0.2	2.01	534	30.2	27	1.5
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
806	1,466	46	240	175	32	99.8	84.1	25.4	2.7	13.3	1,985	30.8	74	1.1
2,641	7,909	108	6,101	3,219	586	90.9	57.8	82.3	1.2	8.8	15,933	118.8	267	1.9
691	2,287	21	693	572	38	94.9	87.3	59.0	0.8	5.5	3,787	78.2	128	2.6
122	700	...	60	42	4	95.7	76.3	34.6	...	6.9	781	36.5	61	2.6
91	631	2	367	215	41	88.7	65.9	38.6	0.2	11.2	1,125	41.5	47	1.7
1,217	3,377	28	538	457	1	93.9	85.1	68.7	0.7	0.2	4,329	71.9	104	1.7
64	687	3	3,055	1,800	514	95.7	70.8	126.7	0.5	19.8	1,159	61.5	3	0.2
170	1,209	3	607	376	70	80.3	70.02	3.3	0.2	11.5	2,147	47.8	27	0.6
470	1,533	23	296	180	16	94.1	68.4	46.7	1.1	6.4	1,940	43.7	63	1.4
38	205	...	197	149	10	89.5	79.6	31.8	...	5.1	828	62.7	15	1.1
38	755	4	95	81	4	93.1	89.01	44.6	0.5	4.3	844	45.1	19	1.01
340	880	11	45	43	2	93.9	100.0	87.2	1.1	4.4	1,162	46.8	11	0.4
81	863	...	128	89	3	83.6	71.2	32.7	...	2.3	1,084	37.3	6	0.2
645	2,318	23	535	341	24	94.2	66.5	44.04	0.9	4.5	3,249	53.8	93	1.6
53	743	...	554	175	7	91.5	31.9	81.3	...	1.3	1,099	37.5	52	1.8
405	1,969	44	276	214	37	86.6	89.5	48.7	1.9	13.4	2,244	47.4	34	0.7
216	430	6	106	62	5	78.7	61.4	45.7	1.05	4.7	331	30.4	4	0.4
78	5.0	...	88	52	13	94.3	89.3	26.3	...	1.3	587	27.9	15	0.7
2,433	4,965	185	681	537	74	91.4	8.6	44.5	3.4	10.9	5,240	42.8	197	1.6
123	1,204	1	727	444	73	90.05	68.5	41.1	0.1	10.04	2,890	71.9	10	0.2
112	263	3	3	2	...	87.1	68.8	17.6	0.9	...	312	20.8	12	0.8
8	575	102	48	32	10	91.7	84.2	28.4	13.9	20.8	721	33.7	38	1.8
12,338	45,886	777	21,001	13,223	1,735	90.7	68.3	49.2	1.5	9.2	68,939	57.4	2,065	2.6
160,351	856,330	76,034	83,517	40,237	12,325	78.5	56.6	24.7	14.4	14.7	614,568	32.3	12,821	0.8
461,676	948,875	170,344	229,384	110,262	35,269	78.2	50.3	25.7	12.3	15.4	1,830,538	32.0	34,538	0.8

SUMMARY OF STATEMENT NO. I.

	Total number of persons vaccinated.		Total number of operations performed.		Percentage of successful cases in which the results were known.		Average number of persons vaccinated by each vaccinator.	Number of children successfully vaccinated.		Ratio of successful vaccination per 1,000 of population.	Total cost of department.	Average cost of each successful case.
	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.		Under one year.	One and under six years.			
By Special staff (statement No. I).	1,182,891	229,384	1,383,889	229,384	78.2	56.8	630	7,104	429,345	461,676	Rs. A. P. 4,79,700 0 3	Rs. A. P. 0 7 4
By Dispensary staff (statement No. III).	131	213	131	213	98.5	91.8	...	117	12	...	...	...
By other agencies, if any.	...	...	...	...	...	...	...	...	...	...	...	...
Total	1,183,022	229,597	1,384,020	229,597	78.2	56.8	630	7,104	429,462	461,688	Rs. A. P. 4,79,700 0 3	Rs. A. P. 0 7 4

* Exclusive of the pay and allowances of the Inspectors of Vaccination and Deputy Sanitary Commissioners.

A—VACCINE DEPARTMENT—cont.
Statement No. II showing the Cost of the Department in the Madras Presidency for the official year 1919-20.

Expenditure.																	
Number.	Districts.	Circles.	Inspector of Vaccination and Deputy Sanitary Commissioner.	Deputy Inspectors.			Vaccinators.				Peons, etc.		Total pay of establishment.				
				Pay.	First grade.	Second grade.	Third grade.	Pay.	First class.	Second class.	Probationers.	Pay.		Number.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
NORTHERN RANGE.																	
1	Ganjam.	Berampur circle	...	...	...	1	...	Rs. 4. P.	...	...	...	...	...	...	Rs. A. P.	Rs. A. P.	
2		Chilacole do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
3		Parlakimedi do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
4		Asa circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
5		Ganjam Hill tracts, North	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
6		Ganjam Hill tracts, South	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
7		Parushottapur circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total of district																	
7a	Godavari.	Cocanada circle	...	...	...	1	2	4	5,429 6 1	13	37	9	8,597 1 8	7	847 6 6	16,908 14 3	
8		Rajahmundry do.	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
9		Polavaram do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
10		Peddapur do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
11		Bhadraoham do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total of district																	
12	Guntur.	Guntur circle	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
13		Narasaraopet circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
14		Vinukonda circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
15		Bapala circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total of district																	
Total of districts																	

16	Kistna.	Ellore circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17		Masulipatam circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18		Rayavada circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19		Narasaraopet circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20		Total of district	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	Nellore.	Nellore circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22		Amakur circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23		Kayali circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24		Gadur do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25		Total of district	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	Vizagapatnam.	Vizagapatnam circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27		Narasaraopet do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28		Government vaccinators (Gudem Hills)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29		Vizianagaram circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	Vizagapatnam.	Chirupatnam do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31		Government vaccinators, Palkonda Agency	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Total of district	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Koraput.	Joyपुर circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
33		Koraput do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
34		Total of circles in the Northern range	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	Municipalities.	Anakapalle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2		Berampur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3		Bezwada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4		Bhimilipatam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5		Chilacole	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6		Cocanada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7		Ellore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8		Guntur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9		Masulipatam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10		Narasaraopet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11		Nellore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12		Ongole	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13		Parlakimedi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* One Vaccinator.

A—VACCINE DEPARTMENT—cont.

Statement No. 11 showing the Cost of the Department in the Madras Presidency for the official year 1919-20—cont.

Number.	Districts.	Circles.	Expenditure—cont.				Paid from				Total.	Number of all successful primary vaccination and re-vaccination.	Average cost of each successful case.
			Travelling allowance.	Contingencies.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.				
			17	18	19	20	21	22	23	24	25	26	
NORTHERN RANGE—cont.													
1	Ganjam.	Barbampur circle	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
2		Chioscole do.	1,258 5 5	612 15 10	4,056 6 1	...	1,413 8 1	2,342 14 0	...	4,056 6 1	12,116	0 5 4	
3		Parlakimedi do.	581 5 6	563 2 10	4,143 2 5	...	1,702 2 5	2,141 0 0	...	4,143 2 5	13,371	0 4 11	
4		Aska do.	170 1 6	316 12 10	1,308 14 0	...	577 5 7	731 8 5	...	1,308 14 0	4,272	0 5 4	
5		Ganjam Hill tracts, North	412 13 10	786 2 5	3,275 11 7	...	1,231 6 7	2,944 5 0	...	3,275 11 7	9,853	0 5 4	
6		Ganjam Hill tracts, South	1,567 7 5	583 13 8	4,750 2 1	...	4,750 2 1	...	...	4,750 2 1	7,947	0 5 7	
7		Parashottapur do.	1,357 13 2	343 10 2	4,068 3 7	...	4,068 3 7	1,401 3 11	...	4,068 3 7	10,102	0 10 8	
		Total of district	5,742 8 8	3,902 4 7	24,848 11 6	...	15,187 12 2	9,660 15 4	...	24,848 11 6	63,755	0 5 2	
8	Godavari.	Cocanada circle	692 8 2	624 10 9	3,111 11 4	...	1,859 15 2	1,751 12 2	...	8,111 11 4	10,371	0 4 10	
9		Rajahmundry do.	1,311 0 6	1,143 7 1	5,147 14 3	...	1,338 3 0	2,814 11 3	...	5,147 14 3	15,593	0 5 4	
10		Polavaram do.	971 0 7	398 8 7	3,074 11 10	...	1,731 10 4	1,332 7 6	...	3,074 11 10	5,070	0 9 8	
11		Peddapur do.	914 0 10	868 8 9	4,069 11 8	...	1,276 4 0	2,794 13 8	...	4,069 11 8	13,117	0 4 11	
		Bhadrachalam do.	1,514 15 8	276 11 2	4,273 11 0	...	4,273 11 0	...	...	4,273 11 0	1,670	2 8 11	
		Total of district	5,903 9 9	3,311 14 4	19,667 8 1	...	9,973 11 6	9,693 12 7	...	19,667 8 1	45,531	0 6 11	
12	Guntur.	Guntur circle	1,091 5 6	659 5 3	3,932 4 9	...	1,402 8 1	2,526 12 8	...	3,932 4 9	8,988	0 7 0	
13		Narasaraopet circle	937 7 1	676 8 2	3,476 0 11	...	1,332 8 7	2,143 8 4	...	3,476 0 11	8,578	0 6 6	
14		Vinukonda do.	709 0 0	639 10 2	2,751 4 8	...	1,242 14 6	1,505 6 2	...	2,751 4 8	6,228	0 8 5	
15		Bapatla circle	1,044 3 3	680 7 8	4,155 14 3	...	1,365 10 8	2,796 8 7	...	4,155 14 3	10,890	0 6 1	
		Total of district	3,711 15 10	2,555 15 3	14,315 8 7	...	5,343 9 10	8,971 14 9	...	14,315 8 7	33,754	0 6 9	

16	Kistna.	Nellore circle	806 9 4	657 7 5	3,410 10 5	...	1,381 7 2	2,229 8 2	...	3,410 10 5	13,251	0 4 4
17		Manlipatam circle	797 3 10	705 7 8	3,428 12 4	...	1,271 10 6	2,157 11 0	...	3,428 12 4	12,302	0 4 6
18		Bezwada circle	416 3 6	868 12 8	4,448 11 10	...	1,498 4 7	2,683 7 3	...	4,448 11 10	12,492	0 5 8
19		Narasaraopet circle	750 1 9	786 18 8	3,553 14 5	...	1,493 9 3	2,960 5 2	...	3,553 14 5	9,701	0 5 10
20		Total of district	3,428 10 11	3,617 9 9	19,053 6 4	...	6,325 7 1	11,230 15 3	...	19,053 6 4	58,802	0 4 11
21	Nellore.	Nellore circle	611 3 11	491 5 11	2,535 7 4	...	1,388 14 4	1,198 9 0	...	2,535 7 4	4,441	0 8 10
22		Atmakur circle	722 12 2	582 12 9	3,244 4 3	...	1,396 8 11	1,861 10 4	...	3,244 4 3	5,916	0 8 9
23		Kavali circle	700 0 4	640 8 3	3,070 4 7	...	1,217 2 8	1,868 6 11	...	3,070 4 7	8,156	0 5 4
24		Gudur do.	785 0 0	433 2 8	3,042 7 0	...	1,220 8 10	1,831 14 2	...	3,042 7 0	8,125	0 8 0
25		Total of district	2,983 5 0	2,743 5 1	15,320 8 6	...	6,474 6 3	8,645 13 3	...	15,320 8 6	34,590	0 7 1
26	Vizagapatnam.	Vizagapatnam circle	778 13 9	981 0 8	3,732 11 1	...	1,250 4 0	2,472 7 1	...	3,732 11 1	10,787	0 5 6
27		Narasaraopet do.	848 11 2	830 3 4	3,298 3 2	...	1,270 0 1	2,028 3 1	...	3,298 3 2	13,807	0 4 0
28		Government vaccinators (Gudem Hills).	108 0 0	60 14 0	443 6 0	...	443 6 0	...	...	443 6 0	1,110	0 6 5
29		Vizianagaram circle	739 6 9	679 8 10	3,844 3 1	...	1,559 5 4	2,284 13 9	...	3,844 3 1	9,575	0 6 4
30	Vizagapatnam.	Chipurupalli do.	722 9 10	660 2 0	3,015 6 1	...	1,184 6 5	1,820 15 8	...	3,015 6 1	10,917	0 4 5
31		Government vaccinators, Palkonda Agency.	120 8 0	20 15 2	318 7 2	...	318 7 2	...	...	318 7 2	313	1 0 3
32		Parvatipuram Circle	830 14 3	680 7 6	3,394 11 3	...	1,413 5 0	1,878 6 3	...	3,394 11 3	9,337	0 6 4
33		Guampur circle	1,100 8 7	513 4 1	4,127 6 4	...	2,174 2 5	1,953 3 11	...	4,127 6 4	9,426	0 10 3
34		Total of district	5,309 11 4	4,472 7 7	22,074 6 2	...	9,886 4 5	12,438 1 3	...	22,074 6 2	60,572	0 5 9
35	Koraput.	Jaypore circle	1,239 13 5	658 2 1	4,497 6 8	...	2,200 2 2	2,297 4 6	...	4,497 6 8	4,262	1 0 2
36		Koraput do.	978 7 10	483 5 2	3,407 12 6	...	1,407 8 1	2,000 4 5	...	3,407 12 6	7,490	0 7 4
37		Nowrangapur circle	567 8 7	520 12 6	2,860 12 11	...	1,343 11 11	1,537 1 0	...	2,860 12 11	7,563	0 6 1
38		Total of district	3,005 13 10	1,661 3 9	10,766 0 1	...	4,951 6 2	5,834 9 11	...	10,766 0 1	19,285	0 8 11
39		Total of circles in the Northern Range	29,575 11 4	22,169 12 4	125,068 12 3	...	553,392 9 5	66,676 2 10	...	125,068 12 3	316,809	0 6 4
40	Municipalities.	Anakapalle	...	77 11 10	286 11 10	...	...	...	...	286 11 10	731	0 6 3
41		Perbampur	...	38 4 4	350 12 7	...	...	...	...	350 12 7	984	0 6 4
42		Bezwada	...	71 8 1	630 3 2	...	...	...	...	630 3 2	1,677	0 6 0
43		Bhimilutam	...	47 13 8	237 5 8	...	...	...	...	237 5 8	561	0 6 6
44		Chiesole	...	138 8 6	843 0 6	...	...	...	...	843 0 6	783	0 7 0
45		Cocanada	...	126 14 4	619 14 4	...	...	...	...	619 14 4	4,324	0 2 4
46		Ellore	...	167 10 8	642 10 8	...	...	...	...	642 10 8	2,784	0 2 9
47		Guatpur	...	79 0 11	842 18 10	...	...	...	...	842 18 10	1,828	0 7 5
48		Manlipatam	...	156 1 5	859 7 5	...	...	...	...	859 7 5	1,734	0 7 6
49		Narasaraopet	...	48 2 4	222 3 9	...	...	...	...	222 3 9	474	0 10 8
50		Nellore	...	91 12 2	430 3 9	...	...	...	...	430 3 9	608	0 4 5
51		Ongole	...	21 4 2	167 9 11	...	...	...	...	167 9 11	704	0 8 0
52		Parlakimedi	...	50 3 9	362 0 2	...	...	...	...	362 0 2	764	0 8 0

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A—VACCINE DEPARTMENT—cont.

Statement No. II showing the Cost of the Department in the Madras Presidency for the official year 1919-20—cont.

Expenditure.																
Number.	Districts.	Circles	Inspector of Vaccination and Deputy Commissioner.			Deputy Inspectors.			Vaccinators.				Peons, etc.		Total pay of establishment.	
			Pay.	First grade.	Second grade.	Third grade.	Pay.	First class.	Second class.	Probationers.	Pay.	Number.	Pay.			
1		3	4	5	6	7	8	9	10	11	12	13	14	15	16	
NORTHERN RANGE—cont.																
14	Municipalities—cont.	Peddapuram	...	...	...	...	...	...	1	...	...	...	...	...	Rs. A. P.	
15		Rajahmundry	...	...	...	...	...	...	1	...	...	...	...	...	180 0 0	
16		Tenali	...	...	...	...	...	...	...	...	...	...	...	...	447 14 5	
17		Vizagapatam	...	...	...	...	...	...	...	...	...	...	...	...	251 8 0	
18		Vizianagaram	...	...	...	...	...	...	...	1	...	...	...	...	520 2 11	
Total of Municipalities in the Northern Range.			...	...	...	...	...	...	13	9	5	6,322 15 4	4	371 10 0	6,994 9 4	
Total of Districts and Municipalities			...	...	...	3	8	24	27,354 2 2	45	99	71	47,724 7 1	40	4,939 4 8	80,017 13 11
Deputy Sanitary Commissioner and Inspector of Vaccination			1	8,400 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total of Northern Range			1	8,400 0 0	3	8	24	27,354 2 2	45	99	71	47,724 7 1	40	4,939 4 8	80,017 13 11	
CENTRAL RANGE.																
1	Anantapur.	Anantapur circle	...	...	...	...	...	...	...	...	2	1	1,097 3 9	1	183 0 0	2,043 3 9
3		Penukonda do.	...	...	...	...	...	...	...	...	3	1	1,548 3 7	1	182 0 0	2,493 3 7
3		Gooty circle	...	...	...	...	...	...	...	...	1	1	1,165 9 0	1	121 0 0	1,902 9 0
4		Dharmavaram Circle	...	...	...	...	...	...	...	...	2	1	1,375 13 10	1	132 0 0	2,179 12 10
Total of district			...	...	...	2	2	2,914 0 0	1	10	4	5,868 14 2	4	518 0 0	8,618 14 2	
5	Bellary.	Bellary circle	...	...	...	...	...	...	...	...	...	...	...	...	...	1,974 6 7
6		Adoni do.	...	...	...	...	...	...	...	...	3	2	1,809 15 5	1	132 0 0	2,440 15 5
7		Harpasahalli circle	...	...	...	...	...	...	...	...	3	1	1,089 13 5	1	132 0 0	2,034 13 5
Total of district			...	...	...	1	1	2,533 1 0	1	7	7	3,621 3 5	3	396 0 0	6,450 3 5	

8	Chingleput circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</
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A—VACCINE DEPARTMENT—cont.

Statement No. II showing the Cost of the Department in the Madras Presidency for the official year 1919-20—cont.

Number.	Districts.	Circles.	Expenditure—cont.				Paid from				Total.	Number of successful primary vaccinations.	Average cost of each successful case.
			17	18	19	20	21	22	23	24			
			Travelling allowance.	Contingencies.	Total grant.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.				
			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.
			17	18	19	20	21	22	23	24	25	26	

8	Chingleput.	Chingleput circle	640 4 2	631 6 3	1,270 4 9	...	1,088 1 4	1,864 13 5	...	1,088 1 4	3,490 4 3	7,948	0 7 0
9		Saidapet do.	620 7 2	731 5 3	1,396 7 3	...	1,537 8 0	2,157 1 9	...	1,537 8 0	3,821 3 8	7,988	0 8 1
10		Ponneri do.	745 6 5	876 0 8	1,621 6 3	...	1,776 15 6	2,181 5 4	...	1,776 15 6	3,952 2 19	7,981	0 7 1
11		Madurantakam do.	610 4 2	643 13 0	1,258 10 9	...	1,279 4 0	1,983 6 0	...	1,279 4 0	3,212 10 0	7,981	0 6 6
		Total of district	2,610 5 11	2,877 9 1	14,476 4 4	...	6,349 11 2	8,136 9 6	...	6,349 11 2	14,476 4 8	32,513	0 7 2
12	Chittoor.	Chittoor circle	756 2 11	680 15 9	3,300 14 3	...	1,537 8 0	2,157 1 9	...	1,537 8 0	3,360 14 9	4,947	0 11 1
13		Karimnagar do.	1,052 7 8	884 4 10	4,715 8 3	...	1,676 3 9	2,181 5 4	...	1,676 3 9	4,715 8 2	12,868	0 6 0
14		Madanapalle do.	909 1 7	908 4 1	3,967 14 0	...	1,370 11 1	1,983 6 0	...	1,370 11 1	3,867 14 0	10,066	0 6 2
		Total of district	2,717 12 2	2,378 8 8	11,944 4 11	...	4,514 6 10	7,880 14 1	...	4,514 6 10	11,944 4 11	27,501	0 6 11
15	Cuddapah.	Cuddapah circle	620 14 6	608 6 8	2,707 6 2	...	1,098 1 4	1,803 3 10	...	1,098 1 4	2,707 6 2	4,123	0 10 6
16		Rajahmundry do.	479 0 0	558 18 2	3,074 12 0	...	1,249 1 4	1,836 10 8	...	1,249 1 4	3,074 12 0	6,150	0 8 0
17		Rayachoti do.	768 9 8	562 18 7	3,094 3 10	...	1,454 9 7	1,939 10 3	...	1,454 9 7	3,084 3 10	6,203	0 7 11
18		Jammalamadugu do.	783 1 9	493 9 7	8,491 3 1	...	1,419 9 6	1,773 3 7	...	1,419 9 6	3,191 3 1	4,568	0 11 3
		Total of district	2,615 9 11	2,333 11 0	12,057 8 1	...	5,220 13 9	6,936 11 4	...	5,220 13 9	12,057 8 1	31,014	0 9 2
19	Kurnool.	Kurnool circle	296 3 0	352 8 8	2,860 14 6	...	1,260 8 6	1,100 6 0	...	1,260 8 6	2,360 14 6	3,971	0 11 0
20		Martapur do.	328 5 10	742 10 5	3,709 12 0	...	1,688 2 10	1,841 12 0	...	1,688 2 10	3,709 15 0	5,379	0 9 1
21		Nandyal do.	635 4 5	645 8 11	2,830 8 8	...	1,432 7 0	1,988 1 8	...	1,432 7 0	2,820 8 8	5,861	0 7 8
22		Dhono do.	327 0 7	772 4 4	3,144 15 0	...	1,603 11 11	1,841 8 1	...	1,603 11 11	3,144 15 0	6,607	0 9 2
23		Koilkuntla do.	338 9 2	525 4 1	2,302 8 7	...	1,235 11 9	1,076 12 10	...	1,235 11 9	2,362 8 7	2,879	0 14 1
		Total of district	1,940 6 0	3,037 15 5	14,898 13 9	...	7,340 10 0	7,058 3 9	...	7,340 10 0	14,398 13 9	23,387	0 9 10
24	Vellore.	Vellore circle	664 3 11	582 7 0	3,319 3 0	...	1,652 9 0	1,686 10 0	...	1,652 9 0	3,319 3 0	8,546	0 6 3
25		Rasipettai do.	764 10 7	615 6 4	3,027 1 9	...	1,732 15 1	2,194 2 8	...	1,732 15 1	3,927 1 9	10,112	0 6 3
26		Polar do.	889 3 8	654 13 8	4,043 5 6	...	1,399 3 3	2,714 3 8	...	1,399 3 3	4,043 5 6	10,674	0 6 1
27		Jalarpet do.	788 12 5	632 2 8	3,138 6 4	...	1,332 13 2	1,765 8 2	...	1,332 13 2	3,188 6 4	8,439	0 6 1
28		Cheyyar do.	649 15 10	500 10 2	2,981 15 8	...	1,361 15 2	1,600 0 6	...	1,361 15 2	2,861 15 8	10,377	0 4 2
		Total of district	3,766 14 0	2,965 7 10	17,330 0 3	...	7,409 6 8	9,940 9 7	...	7,409 6 8	17,350 0 3	48,768	0 5 3
29	Salem.	Salem circle	718 15 6	680 14 6	3,498 3 8	...	1,427 11 9	1,995 4 6	...	1,427 11 9	3,428 3 8	11,810	0 4 9
30		Sankari do.	764 8 3	831 3 9	3,998 12 3	...	1,621 7 9	2,377 4 6	...	1,621 7 9	3,998 12 3	10,498	0 6 1
31		Dharmapuri do.	715 9 11	658 9 7	3,553 12 1	...	1,582 3 10	1,971 8 3	...	1,582 3 10	3,553 12 1	7,980	0 7 8
32		Hoer do.	529 8 9	325 12 4	3,130 5 2	...	1,674 15 4	1,445 5 10	...	1,674 15 4	3,120 5 2	10,211	0 12 11
33		Namakkal do.	684 14 3	602 18 6	3,650 14 2	...	2,115 7 9	1,475 6 5	...	2,115 7 9	3,580 14 2	7,907	0 8 3
		Total of district	3,863 9 2	3,547 6 8	17,686 14 11	...	8,422 1 5	9,264 13 6	...	8,422 1 5	17,686 14 11	47,965	0 6 11
34	South Arcot.	Cuddalore circle	708 2 7	615 5 0	3,467 7 7	...	1,865 8 7	2,101 15 0	...	1,865 8 7	3,467 7 7	7,810	0 7 1
35		Chidambaram do.	848 1 6	693 15 7	4,028 7 10	...	1,262 8 9	2,760 15 1	...	1,262 8 9	4,028 7 10	10,256	0 6 3
36		Tirukottiyar do.	940 11 5	928 15 8	4,211 5 10	...	1,440 4 7	2,771 1 3	...	1,440 4 7	4,211 5 10	8,243	0 8 2
37		Tindivanam do.	266 8 5	747 2 9	3,659 2 4	...	1,642 1 2	2,087 1 2	...	1,642 1 2	3,659 2 4	8,156	0 7 3
		Total of district	2,783 7 11	2,929 7 0	15,401 7 7	...	5,680 7 1	9,721 0 6	...	5,680 7 1	15,401 7 7	34,465	0 7 2
		Total of circles in the Central Range	25,621 13 4	24,384 5 1	1,29,116 7 5	...	56,174 11 11	73,941 11 6	...	56,174 11 11	1,29,116 7 5	287,126	0 7 9

* Includes home vaccination fees of Rs. 46-4-0.

A—VACCINE DEPARTMENT—cont.

Statement No. II showing the Cost of the Department in the Madras Presidency for the official year 1919-20—cont.

Districts.		Circles.	Expenditure.										Peons, etc.		Total pay of establishment.
Number.	1		Inspector of Vaccination and Deputy Sanitary Commissioner.		Pay.	Deputy Inspectors.			Vaccinators.			Number.	Pay.		
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
CENTRAL RANGE—cont.															
1	Adoni	...	...	...	...	...	...	...	...	...	...	...	...	...	
2	Anantapur	...	...	...	...	...	...	...	...	...	...	...	...	...	
3	Bellary	...	...	...	...	...	...	...	...	...	...	...	...	...	
4	Chidambaram	...	...	...	...	...	...	...	...	...	...	...	...	...	
5	Chingleput	...	...	...	...	...	...	...	...	...	...	...	...	...	
6	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
7	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
8	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
9	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
10	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
11	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
12	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
13	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
14	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
15	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
16	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
17	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
18	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
19	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
20	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
21	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
22	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
23	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
24	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
25	Chittoor	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total of Municipalities															
...															

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CENTRAL RANGE—cont.															
1															
2															
3															
4															
5															
6															
7															
8															
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21															
22															
23															
Total of Municipalities															

28761

2

L: 663 - 211 Y 119

221

* Includes the pay of Assistant Vaccinators, Special Vaccinators, and female Vaccinators.

A—VACCINE DEPARTMENT—cont.

Statement No. II showing the Cost of the Department in the Madras Province for the official year 1919-20—cont.

Number.	Districts.	Circles.	Expenditure—cont.			Paid from				Total.	Number of all successful primary vaccination and re-vaccination.	Average cost of each successful case.				
			Travelling allowance.	Contingencies.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.							
17			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	20	21	22	23	24	25	26
CENTRAL RANGE—cont.																
1	Municipalities.	Adoni	...	98 4 7	406 4 7	...	...	...	406 4 7	...	...	...	...	406 4 7	852	0 6 10
2		Anantapur	...	15 13 8	188 13 8	...	...	...	188 13 8	...	...	...	...	188 13 8	389	0 7 9
3		Bellary	...	123 4 9	953 15 3	...	...	...	853 15 3	...	...	...	...	853 15 3	2,060	0 6 8
4		Channarayana	...	56 6 11	844 14 11	...	...	...	344 14 11	...	...	...	...	344 14 11	831	0 6 8
5		Chingleput	...	52 2 9	183 0 4	...	...	...	183 0 4	...	...	...	...	183 0 4	634	0 4 11
6		Chittoor	...	36 1 4	367 8 6	...	...	...	307 8 6	...	...	...	...	307 8 6	445	0 10 10
7		Compjerevan	...	133 13 1	715 8 11	...	...	...	715 8 11	...	...	...	...	715 8 11	...	...
8		Cuddalore	...	100 13 4	575 4 4	...	...	...	575 4 4	...	...	...	...	575 4 4	...	...
9		Cuddalore	...	56 9 7	247 14 11	...	...	...	247 14 11	...	...	...	...	247 14 11	...	...
10		Gudiyatan	...	24 4 1	244 4 1	...	...	...	244 4 1	...	...	...	...	244 4 1	...	...
11		Hospet	...	47 13 11	370 13 11	...	...	...	370 13 11	...	...	...	...	370 13 11	...	...
12		Kurnool	...	7,430 15 1	39,187 4 7	...	...	...	39,187 4 7	...	...	...	...	39,187 4 7	...	...
13		Madras	...	32 3 3	379 10 3	...	...	...	379 10 3	...	...	...	...	379 10 3	...	...
14		Mandya	...	21 10 6	201 10 6	...	...	...	201 10 6	...	...	...	...	201 10 6	...	...
15		Proddatur	...	229 11 8	364 14 2	...	...	...	364 14 2	...	...	...	...	364 14 2	...	...
16		Salom	...	23 9 8	307 0 3	...	...	...	307 0 3	...	...	...	...	307 0 3	...	...
17		Tirupattur	...	44 0 3	307 0 11	...	...	...	307 0 11	...	...	...	...	307 0 11	...	...
18		Tirupattur	...	58 8 11	399 0 11	...	...	...	399 0 11	...	...	...	...	399 0 11	...	...
19		Travancore	...	40 4 8	269 13 8	...	...	...	269 13 8	...	...	...	...	269 13 8	...	...
20		Vaniyambadi	...	20 5 1 4	620 9 10	...	...	...	620 9 10	...	...	...	...	620 9 10	...	...
21		Vellore	...	17 2 10	88 14 8	...	...	...	88 14 8	...	...	...	...	88 14 8	...	...
22		Villupuram	...	21 6 10	195 6 10	...	...	...	195 6 10	...	...	...	...	195 6 10	...	...
23		Wizilipet	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total of Municipalities			13,003 15 3	47,289 7 11	...	...	...	47,289 7 11	...	...	...	...	47,289 7 11	89,135	1 8 4	

1	Madras	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</
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* Includes cost of lymph supplied from the King Institute of Preventive Medicine, Guindy.
Average cost of each successful case was calculated on the total number of successful vaccinations performed by the special staff, viz., Local Fund and Municipal staff.

A.—VACCINE DEPARTMENT—cont.

Statement No. II showing the Cost of the Department in the Madras Presidency for the official year 1919-20—cont.

Expenditure.														
Number.	Districts.	Circles.	Inspector of Vaccination and Deputy Bacteriologists.				Deputy Inspectors.			Vaccinators.			Peons.	
			Pay.	First Grade.	Second Grade.	Third Grade.	Pay.	First class.	Second class.	Probationers.	Pay.	Number.	Pay.	Total pay of establishment.
SOUTHERN RANGE—cont.														
21	South Kanara.	Kandaper circle	...	...	...	...	...	...	...	...	...	...	...	...
22		Kasargod do.	...	...	...	...	...	...	...	...	...	...	...	...
23		Mangalore do.	...	...	...	...	...	...	...	...	...	...	...	...
24		Keral do.	...	...	...	...	...	...	...	...	...	...	...	...
		Total of district	...	...	...	...	...	...	...	...	...	...	...	...
25	Tanjore.	Tanjore circle	...	...	...	...	...	...	...	...	...	...	...	...
26		Putnakudal do.	...	...	...	...	...	...	...	...	...	...	...	...
27		Mayavaram do.	...	...	...	...	...	...	...	...	...	...	...	...
28		Nagapattinam do.	...	...	...	...	...	...	...	...	...	...	...	...
		Total of district	...	...	...	...	...	...	...	...	...	...	...	...
29	Tinnevely.	Tenkasi circle	...	...	...	...	...	...	...	...	...	...	...	...
30		Manguneri do.	...	...	...	...	...	...	...	...	...	...	...	...
31		Kovilpatti do.	...	...	...	...	...	...	...	...	...	...	...	...
32		Strivakuntam do.	...	...	...	...	...	...	...	...	...	...	...	...
		Total of district	...	...	...	...	...	...	...	...	...	...	...	...
33	Triplichi.	Triplichi circle	...	...	...	...	...	...	...	...	...	...	...	...
34		Mudri do.	...	...	...	...	...	...	...	...	...	...	...	...
35		Arjalar do.	...	...	...	...	...	...	...	...	...	...	...	...
		Total of district	...	...	...	...	...	...	...	...	...	...	...	...
		Total of circles in the Southern Range	...	...	...	...	...	...	...	...	...	...	...	...
NORTH KANARA RANGE.														
36	North Kanara.	Kandaper circle	...	...	...	...	...	...	...	...	...	...	...	...
37		Kasargod do.	...	...	...	...	...	...	...	...	...	...	...	...
38		Mangalore do.	...	...	...	...	...	...	...	...	...	...	...	...
39		Keral do.	...	...	...	...	...	...	...	...	...	...	...	...
		Total of district	...	...	...	...	...	...	...	...	...	...	...	...
40	Tanjore.	Tanjore circle	...	...	...	...	...	...	...	...	...	...	...	...
41		Putnakudal do.	...	...	...	...	...	...	...	...	...	...	...	...
42		Mayavaram do.	...	...	...	...	...	...	...	...	...	...	...	...
43		Nagapattinam do.	...	...	...	...	...	...	...	...	...	...	...	...
		Total of district	...	...	...	...	...	...	...	...	...	...	...	...
44	Tinnevely.	Tenkasi circle	...	...	...	...	...	...	...	...	...	...	...	...
45		Manguneri do.	...	...	...	...	...	...	...	...	...	...	...	...
46		Kovilpatti do.	...	...	...	...	...	...	...	...	...	...	...	...
47		Strivakuntam do.	...	...	...	...	...	...	...	...	...	...	...	...
		Total of district	...	...	...	...	...	...	...	...	...	...	...	...
48	Triplichi.	Triplichi circle	...	...	...	...	...	...	...	...	...	...	...	...
49		Mudri do.	...	...	...	...	...	...	...	...	...	...	...	...
50		Arjalar do.	...	...	...	...	...	...	...	...	...	...	...	...
		Total of district	...	...	...	...	...	...	...	...	...	...	...	...
		Total of circles in the Northern Range	...	...	...	...	...	...	...	...	...	...	...	...
GRAND TOTAL.														

A.—VACCINE DEPARTMENT—cont.

Statement No. II showing the Cost of the Department in the Madras Presidency for the official year 1919-20—cont.

Number	District	Circles	Expenditure—cont.			Paid from				Total	Number of successful vaccination and re-vaccination.	Average cost of each successful case.
			Travelling allowance.	Contributions.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.			
			17	18	19	20	21	22	23	24	25	26
SOUTHERN RANGE—cont.												
21	South Kanara	Kandapur circle	954 5 8	505 10 6	3,341 4 8	...	1,333 15 2	9,007 5 6	...	3,341 4 8	9,009	0 5 6
22		Kasaragod do.	1,242 2 5	653 5 6	3,639 12 8	...	1,543 13 4	2,146 15 4	...	3,639 12 8	9,268	0 6 4
23		Mangalore do.	1,059 5 0	487 15 2	3,793 14 3	...	1,568 0 8	2,225 14 0	...	3,793 14 3	12,135	0 6 7
24		Karha do.	910 3 7	585 5 11	3,069 14 1	...	1,386 9 0	1,683 5 1	...	3,069 14 1	8,034	0 5 1
		Total of district	4,166 1 5	2,436 5 1	13,894 13 8	...	5,322 5 9	8,572 7 11	...	13,894 13 8	40,064	0 5 6
25	Tanjore	Tanjore circle	865 0 5	608 11 7	4,130 13 3	...	1,592 6 3	2,538 6 10	...	4,130 13 3	9,108	0 7 8
26		Parakkottai do.	867 0 8	569 12 8	3,639 15 8	...	1,445 15 6	2,193 0 2	...	3,639 15 8	9,773	0 8 5
27		Mayavaram do.	871 1 5	680 0 5	4,927 7 4	...	1,533 3 8	8,398 3 8	...	4,927 7 4	7,910	0 9 11
28		Nagapetam do.	1,329 1 9	692 3 1	4,247 9 0	...	1,376 12 0	2,850 13 0	...	4,247 9 0	8,354	0 8 8
		Total of district	4,932 4 3	2,550 11 9	16,534 13 3	...	5,934 5 7	10,920 7 8	...	16,534 13 3	81,995	0 8 5
29	Tamil Nadu	Tenkasi circle	890 5 8	521 13 1	3,180 3 3	...	1,534 1 3	1,696 2 0	...	3,180 3 3	7,304	0 6 11
30		Nanguneri do.	1,047 13 6	713 11 3	4,765 3 9	...	2,108 6 2	2,656 13 7	...	4,765 3 9	10,563	0 7 5
31		Kovilpatti do.	1,012 8 0	592 3 7	3,883 10 8	...	1,439 7 5	2,254 3 3	...	3,883 10 8	8,323	0 7 6
32		Saravali do.	866 12 2	809 13 7	4,176 1 10	...	1,430 2 6	2,715 15 4	...	4,176 1 10	9,918	0 6 9
		Total of district	3,815 7 4	2,637 9 6	15,015 8 3	...	6,722 1 4	9,233 2 2	...	15,015 8 3	85,910	0 7 1
33	Tiruchinopoly	Tiruchinopoly circle	1,035 7 0	959 1 6	4,894 10 1	...	1,718 14 1	3,175 12 0	...	4,894 10 1	7,621	0 10 2
34		Mudali do.	877 3 5	680 13 5	3,354 12 4	...	1,247 3 2	2,517 9 4	...	3,354 12 4	9,268	0 6 9
35		Arivar do.	877 16 10	908 3 9	4,276 13 10	...	1,347 13 9	2,729 0 1	...	4,276 13 10	9,118	0 7 6
		Total of circles in the Southern Range	10,000 13 3	2,798 1 11	13,106 4 5	...	5,133 15 0	8,472 6 5	...	13,106 4 5	38,001	0 8 1
			10,013 13 7	27,920 10 2	1,45,697 15 0	...	55,140 7 9	96,656 14 3	...	1,45,697 15 0	831,463	0 7 4

Number	District	Circles	Expenditure—cont.			Paid from				Total	Number of successful vaccination and re-vaccination.	Average cost of each successful case.
			Travelling allowance.	Contributions.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.			
			17	18	19	20	21	22	23	24	25	26
Municipalities												
1	Madras	Bodinayakanur	4 8 0	61 4 3	334 15 4	...	...	...	...	334 15 4	4	0 9 1
2		Calicut	...	634 8 5	1,170 15 2	...	...	...	...	1,170 15 2	2	0 3 2
3		Cannanore	...	57 6 5	339 15 11	...	...	...	...	339 15 11	2	0 3 8
4		Cochin	...	35 11 11	1,110 6 5	...	...	...	...	1,110 6 5	11	0 12 8
5		Coimbatore	...	253 1 1	255 7 5	...	...	...	...	255 7 5	5	0 6 10
6		Coomber	...	30 10 6	230 12 9	...	...	...	...	230 12 9	9	0 8 10
7		Dharmaparam	...	80 10 0	494 10 2	...	...	...	...	494 10 2	3	0 11 4
8		Dindigul	...	80 10 0	326 11 6	...	...	...	...	326 11 6	6	0 6 1
9		Erode	...	56 11 6	338 11 9	...	...	...	...	338 11 9	4	0 11 4
10		Karar	...	13 11 9	183 0 4	...	...	...	...	183 0 4	9	0 10 10
11		Kodakanal	...	13 0 4	651 11 11	...	...	...	...	651 11 11	1	0 6 4
12		Kumbakonam	...	131 15 0	3,551 7 7	...	...	...	...	3,551 7 7	7	0 5 1
13		Madurai	...	1,784 3 1	918 13 3	...	...	...	...	918 13 3	3	0 5 2
14		Mangalore	...	96 13 7	348 10 7	...	...	...	...	348 10 7	7	0 7 6
15		Mannargudi	...	54 10 7	292 11 2	...	...	...	...	292 11 2	1	0 4 8
16		Mayavaram	...	42 11 2	905 14 3	...	...	...	...	905 14 3	3	0 3 9
17		Nagapetam	...	299 10 8	799 1 2	...	...	...	...	799 1 2	2	0 5 4
18		Nokapetam	...	173 1 6	801 9 6	...	...	...	...	801 9 6	6	0 8 1
19		Palacottah	...	31 8 1	605 15 1	...	...	...	...	605 15 1	1	0 8 11
20		Palacottah	...	20 9 6	337 9 6	...	...	...	...	337 9 6	1	0 8 2
21		Palani	...	44 3 1	261 14 3	...	...	...	...	261 14 3	3	0 4 6
22		Periyakulam	...	38 6 3	261 14 3	...	...	...	...	261 14 3	3	0 4 6
23		Srirangam	...	106 10 3	783 1 3	...	...	...	...	783 1 3	3	0 4 4
24		Srivilliputtur	...	191 4 6	473 1 3	...	...	...	...	473 1 3	1	0 4 9
25		Tanjore	...	73 13 1	878 1 2	...	...	...	...	878 1 2	3	0 6 5
26		Tellicherry	...	232 15 4	275 9 2	...	...	...	...	275 9 2	2	0 8 10
27		Tinnevely	...	40 9 2	381 6 11	...	...	...	...	381 6 11	1	0 11 4
28		Tirupur	...	36 6 11	945 12 4	...	...	...	...	945 12 4	4	0 2 8
29		Tiruvallur	...	213 12 4	339 8 9	...	...	...	...	339 8 9	9	0 3 9
30		Tiruchinopoly	...	77 8 9	223 3 7	...	...	...	...	223 3 7	7	0 13 5
31		Tuticorin	...	21 9 8	335 2 10	...	...	...	...	335 2 10	10	0 8 10
32		Udumalpet	...	47 7 9	19,559 2 3	...	...	...	...	19,559 2 3	3	0 5 3
33		Virudupatti	...	5,397 5 7	90,656 14 3	...	...	...	...	90,656 14 3	3	0 6 9
		Total of Municipalities	243 8 0	33,317 15 9	1,05,256 8 3	...	...	...	...	1,05,256 8 3	3	0 6 9
		Total of circles and municipalities	31,032 5 7	92,335 14 3	1,55,955 7 8	...	...	...	...	1,55,955 7 8	3	0 7 2
		Southern Range	3,545 8 0	...	9,545 3 0	...	...	...	...	9,545 3 0	...	0 7 2
		Grand Total of Southern Range	37,507 8 7	92,335 14 3	1,65,500 11 8	...	...	...	...	1,65,500 11 8	...	0 7 8
		Grand Total	97,455 11 10	...	1,65,500 11 8	...	...	...	...	1,65,500 11 8	...	0 7 8

* Includes cost of lymph supplied from the King Institute of Preventive Medicine, Gindry, during 1919-20.
† Includes the pay and allowances drawn by the Deputy Sanitary Commissioner, Southern Range, during 1919-20.
N.B.—The average cost of each successful case was calculated on the total number of successful vaccinations performed by the special staff only, viz., Local Fund and Municipal staff (vide G.O. No. 1158 L., dated 4th September 1911).

B-DISPENSARY VACCINATION.

Statement No. III showing Dispensary Vaccination in the Madras Presidency for the official year 1919-20.

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.	Total number of operations.	Primary vaccination.				Re-vaccination.			Percentage of successful cases in which the results were known.		Percentage of unknown cases to total operations.		
						Under one year.	Over one and under six years.	Total of all ages.	Unknown.	Total number of operations.	Successful.	Unknown.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
NORTHERN RANGE.																	
Ganjām ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Godāvari (L.F. hospital, Amalapur).	...	...	4	...	...	...	...	...	...	...	4	...	4	...	...	3	...
Juntūr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nellore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Visagapatam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kistna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Koraput ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ..	...	...	4	...	...	...	...	...	...	...	4	...	4	...	...	...	...
CENTRAL RANGE.																	
Anantapur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bellary ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chingleput ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chittoor ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Juddapah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madras ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salem ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SOUTHERN RANGE.																	
Chimbatore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kadurā (Municipal hospital, Kodaikānal).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kalabar (Kollengode Dispensary).	...	...	814	...	128	117	9	136	...	186	171	...	98-43	91-6	...	...	
Kilgiris ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kāmnād ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Kanara (Local Fund Dispensary, Uppinangadi).	...	...	26	...	3	...	3	3	...	23	19	2	100-0	90-6	...	...	
Mangalore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Minnervelly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	840	...	181	117	12	129	...	206	190	6	98-4	91-8	...	...	...
Grand Total ...	...	...	844	...	181	117	12	129	...	218	190	6	98-5	91-8	...	...	...

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

	In the Madras Presidency											
	1910-1911.	1911-1912.	1912-1913.	1913-1914.	1914-1915.	1915-1916.	1916-1917.	1917-1918.	1918-1919.	1919-1920.	Total number.	Number success-fully vaccinated.
Government vaccinators ...	11,214	10,270	11,897	10,545	15,846	18,954	17,492	17,015	18,943	17,892	16,062	14,288
Local Fund do. ...	1,240,602	1,025,998	1,583,300	1,158,157	1,277,687	1,118,545	1,335,023	1,228,088	1,385,737	1,186,576	1,332,471	1,156,851
Cantonment do. ...	4,187	3,968	3,606	3,421	4,831	4,081	5,021	4,916	4,582	3,949	4,854	4,782
Zamindari do. ...	...	...	...	...	...	...	...	...	...	...	...	...
Municipal do. ...	111,754	102,748	111,070	103,028	108,170	99,018	110,076	106,611	118,408	108,743	112,146	106,830
Dispensaries ...	5	5	65	60	17	11	6	6	1	...	99	96
Medical Subordinates ...	411	229	497	322	206	118	189	174	131	117	1,831	1,464
Total ...	1,368,178	1,144,613	1,456,466	1,290,627	1,491,547	1,298,636	1,467,757	1,381,767	1,471,392	1,317,277	1,466,808	1,282,671

Statement No. V showing particulars of Vaccination verified by Inspecting Officers during 1919-20.

Districts.	Total number inspected.				Percentage of inspection to total number vaccinated.				Percentage of cases found successful to total number inspected.				Percentage of success as reported by Vaccinators.						
	By District Medical and Sanitary Officers and Civil Surgeons.		By Deputy Inspectors of Vaccination.		By Sanitary Assistants to District Medical and Sanitary Officers.		By District Medical and Sanitary Officers and Civil Surgeons.		By Deputy Inspectors of Vaccination.		By Sanitary Assistants to District Medical and Sanitary Officers.		By District Medical and Sanitary Officers and Civil Surgeons.		By Deputy Inspectors of Vaccination.		By Sanitary Assistants to District Medical and Sanitary Officers.		
	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	
NORTHERN RANGE.																			
Gadag	63,145	15,084	699	563	40,118	10,674	...	...	...	...	11	37	77.8	70.8	...	88.3	81.2	70.9	87.0
Gulbarga ..	59,174	16,323	1,239	268	56,006	8,299	...	...	...	...	21	16	94.6	50.8	...	88.3	75.5	50.7	69.4
Guntur	49,886	9,911	1,253	...	41,083	3,232	286	...	...	...	21	...	82.4	89.2	0.6	...	75.5	38.0	75.0
Kistna	69,388	10,012	2,614	...	62,903	8,282	...	...	...	...	38	...	89.7	82.2	...	88.3	84.2	66.5	46.4
Nellore	46,758	5,846	388	210	44,899	3,540	...	...	...	...	0.5	...	94.9	63.4	...	88.3	71.3	57.0	57.6
Vijayapam ..	58,971	8,787	43	...	51,181	17,131	...	...	...	...	...	...	84.9	68.3	...	88.3	73.3	40.9	48.3
Koraput	25,990	3,449	800	160	23,268	2,767	...	...	...	...	3.1	46	89.5	87.2	...	88.3	68.9	68.8	36.7
Total	388,262	82,412	6,886	1,575	347,385	54,654	286	...	...	...	1.7	19	87.2	66.8	0.6	...	77.9	70.3	61.0
CENTRAL RANGE.																			
Anantapur ..	37,414	5,085	...	...	26,125	3,887	...	...	...	...	...	...	95.3	77.2	...	...	79.9	64.8	50.5
Bellary	26,566	4,811	1,067	...	21,492	1,657	...	...	...	...	4.0	231	80.9	38.2	...	...	78.3	41.8	45.9
Chingleput ..	44,809	2,610	187	68	41,607	2,813	...	...	...	...	0.6	1.4	92.9	58.5	...	...	80.2	64.4	57.6
Chittoor	36,349	2,548	779	...	33,739	1,580	...	...	...	...	0.5	...	78.5	80.5	...	...	84.2	45.2	43.5
Cuddapah	29,265	4,458	710	28	25,716	2,038	...	...	...	...	2.7	26	81.4	79.8	...	...	73.6	60.0	51.8
Kurnool	29,573	13,561	...	...	24,807	3,585	...	...	...	...	2.4	0.6	103.9	79.1	...	...	74.3	36.4	38.2
Madras	63,625	5,892	984	...	52,148	3,837	...	...	...	...	1.5	...	82.1	86.0	...	...	87.5	57.2	57.5
North Arcot ..	58,764	5,547	1,837	1,013	46,381	3,230	...	...	...	...	3.2	183	78.9	58.2	...	...	87.7	80.0	60.5
South Arcot ..	50,373	5,445	2,065	1,173	43,808	3,743	...	...	...	...	3.6	82	76.9	68.7	...	...	77.5	36.1	50.0
Total	388,616	54,223	7,917	2,340	313,076	20,315	...	...	...	...	2.0	43	81.5	48.6	...	...	79.9	50.9	49.9
SOUTHERN RANGE.																			
Coimbatore ..	73,254	8,526	...	...	56,263	3,719	...	...	...	...	...	10.4	76.7	43.6	...	...	67.8	25.6	33.9
Madurai	64,567	13,873	...	...	50,694	4,398	...	...	...	...	...	0.06	77.5	31.7	...	...	61.0	51.0	59.4
Nilgiris	96,327	80,143	1,365	...	16,184	22,892	...	...	...	...	1.4	63	82.8	73.9	...	...	71.2	80.6	73.7
Ramanathapur ..	4,412	4,068	236	...	3,105	544	...	...	...	...	...	...	70.4	13.3	...	...	80.4	38.1	69.6
South Kanara ..	47,859	4,575	1,748	...	34,250	3,044	...	...	...	...	...	...	72.3	66.5	...	...	80.8	38.1	71.2
Tanjore	63,625	3,966	3,261	...	41,611	7,157	...	...	...	...	...	...	85.9	81.4	...	...	95.9	57.7	87.3
Tinnevely	51,800	5,868	1,866	...	37,557	1,303	1,229	...	...	...	...	...	15.6	82.8	...	...	87.6	79.3	74.8
Trichinopoly ..	45,947	3,884	253	...	34,033	2,074	...	...	...	...	...	...	19.8	40.7	...	...	84.4	41.5	73.5
Total	401,371	83,726	8,794	5,453	337,645	47,554	1,229	...	...	...	...	...	76.6	58.8	0.2	...	92.9	52.1	81.6
Grand Total ..	1,278,269	230,391	23,597	9,897	1,047,872	136,533	1,515	...	...	...	...	...	82.1	100.5	0.1	...	91.9	78.7	76.2

Statement No. VI showing the Number of Vaccinations performed in Municipal Towns on children under one year of age (G.O. No. 1634 L., dated 6th December 1909).

Municipalities.	Number of births available for vaccination during the year 1919-20.	Number of deaths amongst children under one year during the year.	Number of successful vaccinations on children under one year during the year ending March 1920.	Date of extension of compulsory vaccination to municipalities.
NORTHERN RANGE.				
Anakapalle	379	145	272	1st Nov. 1891.
Berhampur	385	188	284	15th April 1891.
Bowada	1,392	398	628	1st May 1892.
Bimlipatam	240	49	182	1st Jan. 1894.
Chicacole	418	84	230	1st Dec. 1890.
Cocanada	1,498	319	885	1st June 1890.
Ellore	1,766	514	963	1st June 1888.
Guntur	1,228	329	609	1st Jan. 1914.
Masulipatam	1,431	215	747	1st May 1898.
Narsaraopet	244	56	69	1st April 1916.
Nellore	909	212	384	1st April 1891.
Ongole	388	87	170	1st Aug. 1886.
Parlakimedi	432	108	259	1st Dec. 1885.
Peddapur	268	34	140	1st April 1916.
Rajahmundry	1,243	269	634	1st Jan. 1886.
Tenali	468	103	248	1st April 1910.
Vijayawada	1,020	238	368	1st Aug. 1890.
Vijayanagara	1,355	277	704	1st Jan. 1891.
Total	15,642	3,714	7,376	
CENTRAL RANGE.				
Adoni	553	110	279	1st Dec. 1886.
Anantapur	212	35	97	1st Jan. 1886.
Bellary	1,712	218	424	1st Jan. 1891.
Chidambaram	671	101	312	1st July 1887.
Chingleput	494	126	139	1st April 1897.
Chittoor	566	129	230	9th Jan. 1917.
Conjeevaram	1,391	533	448	1st Jan. 1891.
Cuddalore	2,068	553	1,028	1st Aug. 1896.
Cuddapah	681	128	320	16th July 1888.
Gudiyattam	538	112	305	1st June 1889.
Hospet	501	76	198	1st April 1892.
Kurnool	847	138	869	1st July 1891.
Madras	12,296	5,997	12,458	1st June 1884.
Mandya	296	61	191	1st Jan. 1900.
Proddatur	345	118	104	1st Sep. 1915.
Salem	2,125	245	1,788	1st May 1891.
Tirupattur	425	103	180	1st July 1891.
Tirupathi	394	81	109	1st Mar. 1890.
Tiruvannamalai	941	212	570	15th Dec. 1897.
Vaniyambadi	663	181	486	1st May 1889.
Vellore	1,763	380	1,025	1st Jan. 1897.
Vijayawada	...	...	...	Newly constituted Municipality.
Wajahpet	874	70	191	30th May 1892.
Total	30,165	9,691	21,312	
SOUTHERN RANGE.				
Bodinayakanur	620	79	843	19th Feb. 1916.
Calicut	2,681	642	1,889	1st Oct. 1891.
Cannanore	1,083	219	628	1st June 1891.
Cochin	707	165	809	1st Jan. 1894.
Coimbatore	1,613	425	890	1st Jan. 1898.
Oodanor	333	45	72	1st April 1887.
Dharapuram	819	47	262	1st Feb. 1916.
Dindigul	1,252	313	601	16th July 1886.
Erode	552	115	221	1st April 1891.
Karur	488	109	222	1st Sep. 1900.
Kodakkanal	153	36	99	1st April 1889.
Kumbakonam	1,726	394	778	1st Aug. 1889.
Madurai	4,912	1,161	2,322	1st Jan. 1890.
Mangalore	1,585	278	848	1st Sep. 1891.
Mannargudi	593	128	256	1st Dec. 1890.
Miyavaram	904	249	445	1st Oct. 1886.
Negapatam	1,500	413	1,079	1st July 1886.
Ootacamund	678	181	377	1st July 1887.
Palamcottah	1,592	388	759	1st May 1886.
Palghat	1,727	276	945	1st Jan. 1883.
Palni	304	86	140	1st Dec. 1891.
Periyakulam	844	216	505	1st Feb. 1891.
Srirangam	549	184	198	1st July 1888.
Sivillipattur	1,033	208	602	1st Jan. 1896.
Tanjore	2,131	490	1,011	1st July 1893.
Tollidcherry	1,037	228	573	15th June 1892.
Tinnevely	1,933	614	919	1st July 1896.
Tiruppur	214	40	27	1st Apr. 1918.
Tiruvallur	593	129	207	1st Oct. 1913.
Trichinopoly	3,374	840	1,449	1st Aug. 1890.
Tuticorin	1,346	209	369	1st May 1892.
Udamalpet	197	44	81	1st Apr. 1918.
Vandarpatti	811	238	476	1st Sep. 1915.
Total	39,171	9,277	21,571	
Grand total	84,978	22,682	50,289	

Statement No. VII showing Inspection Work done by the Deputy Inspectors of Vaccination during the year 1918-20.

District.	Circle.	Number of inspecting officers.					Number of villages inspected.			Total number of cases vaccinated.	Number of cases verified.				Total number of cases inspected by Deputy Inspectors.	Total number of successful cases as reported by Deputy Inspectors.	Percentage of successful cases to the total number inspected as reported by Deputy Inspectors.	Proportion per cent of inspection to total number vaccinated.		
		First-Grade Inspectors.	Second-Grade Deputy Inspectors.	Third-Grade Deputy Inspectors.	First-Grade Deputy Inspectors.	Second-Grade Deputy Inspectors.	Third-Grade Deputy Inspectors.	First-Grade Deputy Inspectors.	Second-Grade Deputy Inspectors.		First-Grade Inspectors.	Second-Grade Deputy Inspectors.	Third-Grade Deputy Inspectors.	First-Grade Deputy Inspectors.				First-Grade Inspectors.	Second-Grade Deputy Inspectors.	Third-Grade Deputy Inspectors.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
NORTHERN RANGE.																				
Ganjam	Berhampur	...	...	...	...	...	...	15,830	310	...	17,098	10,254	17,098	14,484	847	...	...	...	...	...
	Chicoole	...	...	...	...	...	...	18,432	176	...	...	8,566	...	7,589	737	...	...	...	...	...
	Aska	...	...	...	...	...	...	12,180	136	...	...	...	...	6,771	790	...	...	...	...	...
	Parikimedi	...	...	...	...	...	...	5,180	87	...	...	...	...	3,896	687	...	...	...	...	...
Godavari	Purnahotapur	...	...	...	...	...	...	12,236	186	...	...	...	...	6,786	795	...	...	...	...	...
	Ganjam Hill Tracts	...	...	...	...	...	...	9,263	168	...	...	...	...	3,748	834	...	...	...	...	...
	Do.	...	...	...	...	...	...	7,285	209	...	...	...	...	4,190	810	...	...	...	...	...
	Cocanada	...	...	...	...	...	...	11,387	218	...	...	...	...	10,271	834	...	...	...	...	...
Guntur	Rajahmundry	...	...	...	...	...	...	25,591	194	...	...	...	...	18,550	786	...	...	...	...	...
	Pollavaram	...	...	...	...	...	...	7,621	235	...	...	...	...	4,747	720	...	...	...	...	...
	Peddipuri	...	...	...	...	...	...	20,412	208	...	...	...	...	18,967	720	...	...	...	...	...
	Bhadrahalam	...	...	...	...	...	...	8,102	138	...	...	...	...	1,336	642	...	...	...	...	...
Kistna	Guntur	...	...	...	...	...	...	14,808	244	...	...	...	...	11,405	849	...	...	...	...	...
	Narasaraopet	...	...	...	...	...	...	13,807	246	...	...	...	...	11,527	748	...	...	...	...	...
	Vinukonda	...	...	...	...	...	...	9,369	245	...	...	...	...	9,185	636	...	...	...	...	...
	Bapatla	...	...	...	...	...	...	15,604	250	...	...	...	...	12,927	748	...	...	...	...	...
Nellore	Ellore	...	...	...	...	...	...	18,572	251	...	...	...	...	14,962	675	...	...	...	...	...
	Masulipatam	...	...	...	...	...	...	17,259	237	...	...	...	...	14,926	624	...	...	...	...	...
	Borwada	...	...	...	...	...	...	19,061	232	...	...	...	...	17,146	725	...	...	...	...	...
	Narasapur	...	...	...	...	...	...	15,477	232	...	...	...	...	10,821	774	...	...	...	...	...
Vizagapatnam	Tanuku	...	...	...	...	...	...	14,024	229	...	...	...	...	12,879	889	...	...	...	...	...
	Nellore	...	...	...	...	...	...	7,792	224	...	...	...	...	6,541	689	...	...	...	...	...
	Atmakur	...	...	...	...	...	...	8,651	180	...	...	...	...	7,800	759	...	...	...	...	...
	Kavali	...	...	...	...	...	...	14,828	223	...	...	...	...	12,864	683	...	...	...	...	...
Vijayanagara	Gudur	...	...	...	...	...	...	10,862	266	...	...	...	...	9,910	791	...	...	...	...	...
	Kanigiri	...	...	...	...	...	...	13,464	209	...	...	...	...	10,824	638	...	...	...	...	...
	Vizagapatnam	...	...	...	...	...	...	19,387	175	...	...	...	...	16,794	635	...	...	...	...	...
	Narasaraopet	...	...	...	...	...	...	20,981	178	...	...	...	...	17,552	650	...	...	...	...	...
Vijayanagara	Vijayanagara	...	...	...	...	...	...	19,760	202	...	...	...	...	18,466	719	...	...	...	...	...
	Chitrapur	...	...	...	...	...	...	17,886	248	...	...	...	...	14,524	717	...	...	...	...	...
	Bobbili	...	...	...	...	...	...	16,064	212	...	...	...	...	13,098	717	...	...	...	...	...
	Gumunda	...	...	...	...	...	...	9,363	130	...	...	...	...	7,964	796	...	...	...	...	...

Koraput	Koraput	...	...	...	...	...	...	2,186	13,135	231	...	...	11,461	7,809	681	...	...	...	...	...
Jeypore	Jeypore	...	...	...	...	...	...	809	8,668	168	...	...	7,338	4,454	716	...	...	...	...	...
Nowrangapur	Nowrangapur	...	...	...	...	...	...	681	13,564	158	...	...	7,394	4,578	716	...	...	...	...	...
Total	Total	...	...	...	...	...	...	3,676	45,363	557	...	...	26,193	16,846	1,113	...	...	...	...	...

CENTRAL RANGE.

Anantapur	Anantapur	...	...	...	...	...	...	320	10,470	231	...	...	6,943	5,119	819	...	...	...	...	...
Bellary	Bellary	...	...	...	...	...	...	201	7,104	241	...	...	6,061	4,288	707	...	...	...	...	...
Chingleput	Chingleput	...	...	...	...	...	...	266	7,715	226	...	...	8,323	4,431	781	...	...	...	...	...
Chittoor	Chittoor	...	...	...	...	...	...	10,385	270	...	...	...	6,873	4,873	784	...	...	...	...	...
Cuddayah	Cuddayah	...	...	...	...	...	...	8,657	179	...	...	...	10,086	8,214	817	...	...	...	...	...
Kurnool	Kurnool	...	...	...	...	...	...	11,025	178	...	...	...	9,408	9,215	842	...	...	...	...	...
North Arcot	North Arcot	...	...	...	...	...	...	15,971	212	...	...	...	18,590	12,124	678	...	...	...	...	...
Salem	Salem	...	...	...	...	...	...	11,339	169	...	...	...	11,326	8,498	839	...	...	...	...	...
South Arcot	South Arcot	...	...	...	...	...	...	7,157	169	...	...	...	6,804	4,975	789	...	...	...	...	...
Total	Total	...	...	...	...	...	...	17,856	227	...	...	...	13,323	10,183	1,113	...	...	...	...	...

SOUTHERN RANGE.

Satyamangalam	Satyamangalam	...	...	...	...	...	...	13,701	217	...	...	...	13,454	8,940	718	...	...	...	...	...
Pollachi	Pollachi	...	...	...	...	...	...	18,045	242	...	...	...	13,857	9,584	691	...	...	...	...	...
Coimbatore	Coimbatore	...	...	...	...	...	...	13,843	168	...	...	...	9,540	6,564	691	...	...	...	...	...
Trivelpur	Trivelpur	...	...	...	...	...	...	12,219	269	...	...	...	10,563	6,602	625	...	...	...	...	...
Total	Total	...	...	...	...	...	...	18,188	509	...	...	...	18,598	7,399	746	...	...	...	...	...

* Includes verification of 1918-19.

LOCAL AND MUNICIPAL DEPARTMENT

Vaccination report

Reviewing the ... of the Madras Presidency for the triennium ending 1919-20.

READ—the following paper :—

Letter—from the Hon'ble Major-Genl. G. G. GIFFARD, C.S.I., R.H.S., I.M.S.,
Surgeon-General with the Government of Madras (Sanitary).
To—the Secretary to Government, Local and Municipal Department.
Dated—Madras, the 29th September 1920.
No—D. 955/V.

ABSTRACT.—Submitting report on the working of the Vaccination department in the Madras Presidency for 1919-20.

Order—No. 81-P.H., Local and Municipal, dated 26th January 1921.

Recorded with reference to the remarks in paragraphs 16 and 17 of G.O. No. 80-P.H., dated 26th January 1921.

2. The Government await with interest the report promised by the Sanitary Commissioner in paragraph C of his report regarding the working of the scheme of vaccination sanctioned in G.O. No. 963 L., dated 4th July 1917. The question of the introduction of compulsory vaccination in all districts in the Presidency will be considered on its receipt.

3. The report promised by the Sanitary Commissioner regarding the efficiency of various vaccines is also awaited.

4. The Government suggest that in future reports details of touring, personnel and postings might be abridged, and more space devoted to administrative defects and their remedy, and to questions of general policy.

(By order of the Government, Ministry of Local Self-Government)

F. J. RICHARDS,
Secretary to Government.

To the Surgeon-General (Sanitary and Medical).
 „ the Sanitary Engineer, through Public Works Department.
 „ the Law (Judicial) Department.
 „ the Revenue Department.
 „ the Assistant Quartermaster-General, 90th (Bombay) Division, with C.L.
 „ the Director of Public Instruction.
 „ the Accountant-General.
 „ the Corporation of Madras.
 „ all Collectors.
 „ all Presidents of District Boards.
 „ all Chairmen of Municipal Councils.
 „ the Inspector of Municipalities and Local Boards.
 „ Government of India (Department of Education) with C.L.
 „ Publicity Officer.
 Editors' Table.

Statement No. VII showing Inspection Work done by the Deputy Inspectors of Vaccination during the year 1919-20—cont.

District.	Circle.	Number of inspecting officers.			Total number of cases 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 as reported by Deputy Inspectors.	Percentage of successful cases to the total number inspected as reported by Deputy Inspectors.	Proportion per cent of inspection to total number vaccinated.		
		First-grade Deputy Inspectors.	Second-grade Deputy Inspectors.	Third-grade Deputy Inspectors.			First-grade Deputy Inspectors.	Second-grade Deputy Inspectors.	Third-grade Deputy Inspectors.				First-grade Deputy Inspectors.	Second-grade Deputy Inspectors.	Third-grade Deputy Inspectors.
Madras	Madras	1	1	1	11,286	241	...	9,160	8,120	7,800	88.1	...	...	...	
	Dindigul	1	1	1	12,660	210	...	10,987	10,783	6,710	80.8	...	...	...	
	Palni	1	1	1	11,775	336	...	10,987	10,987	8,030	73.1	...	...	...	
	Periyar	1	1	1	13,139	161	11,906	11,536	11,536	11,996	87.2	...	...	...	
Malabar	Quilon	1	1	1	12,506	267	...	11,536	11,536	9,478	82.1	...	...	...	
	Wanniarum	1	1	1	23,957	314	...	17,192	17,192	14,408	83.8	...	...	...	
	Calicut	1	1	1	25,142	229	...	24,198	24,198	18,040	74.5	...	...	...	
	Tellicherry	1	1	1	21,077	182	...	18,407	18,407	12,760	82.7	...	...	...	
Nilgiris	Palghat	1	1	1	21,771	195	...	20,773	20,773	17,320	88.4	...	...	...	
	Pondicherry	1	1	1	27,849	214	...	25,589	25,589	22,369	87.2	...	...	...	
	Pondicherry	1	1	1	4,224	261	...	3,652	3,652	2,188	87.1	...	...	...	
	Pondicherry	1	1	1	16,153	179	...	10,579	10,579	7,890	74.5	...	...	...	
Ramanathapuram	Ramanathapuram	1	1	1	10,928	195	...	7,108	7,108	5,573	78.4	...	...	...	
	Manamadurai	1	1	1	8,832	237	...	6,808	6,808	4,410	78.1	...	...	...	
	Tirupattur	1	1	1	16,480	223	...	13,302	13,302	10,715	80.5	...	...	...	
	Sivakasi	1	1	1	18,843	274	...	10,121	10,121	8,377	82.7	...	...	...	
South Kanara	Kandarpur	1	1	1	14,980	252	...	11,636	11,636	8,957	77.0	...	...	...	
	Kesara	1	1	1	17,875	272	...	18,081	18,081	14,138	78.7	...	...	...	
	Mangalore	1	1	1	12,020	260	...	9,050	9,050	8,129	89.8	...	...	...	
	Karwar	1	1	1	14,389	228	...	10,110	10,110	8,537	85.4	...	...	...	
Tanjore	Tanjore	1	1	1	10,353	224	...	9,388	9,388	7,723	78.4	...	...	...	
	Patankottai	1	1	1	12,646	208	...	9,610	9,610	7,368	76.9	...	...	...	
	Masavaram	1	1	1	14,559	219	...	10,154	10,154	7,774	76.5	...	...	...	
	Negapatam	1	1	1	14,740	229	...	11,429	11,429	7,317	64.02	...	...	...	
Tinnevely	Tenasi	1	1	1	16,080	228	...	13,508	13,508	10,687	78.9	...	...	...	
	Nagurneri	1	1	1	13,713	219	...	12,989	12,989	9,732	75.3	...	...	...	
	Kovilpatti	1	1	1	19,886	280	...	13,285	13,285	9,416	70.9	...	...	...	
	Srivalkulam	1	1	1	15,318	252	...	10,066	10,066	10,909	87.9	...	...	...	
Trichinopoly	Trichinopoly	1	1	1	14,247	185	...	11,122	11,122	8,617	77.5	...	...	...	
	Musiri	1	1	1	14,711	224	...	9,935	9,935	6,476	73.5	...	...	...	
	Ariyalur	1	1	1	...	...	...	...	...	...	...	...	...		
	...	1	1	1	...	...	...	...	...	...	...	...	...		
Grand Total	Total	10	9	16	632,309	6,186	17,764	194,789	433,811	333,715	76.9	81.6	83.5	80.4	
	Grand Total	25	25	57	1,453,256	28,463	555,798	300,147	1,78,943	894,108	76.5	83.5	83.0	82.9	