

33064

Report on vaccination

1871-72

1873



operations was performed in the Madura District : next in number follow Tanjore, Bellary, South Arcot, South Canara, Tinnevely ; Nellore, Coimbatore, and Godavery stand in numerical order, showing above 10,000 operations ; whilst Kurnool, one of the most backward districts, has improved slightly and shows 3,258 operations, but Ganjam only shows 2,782, whilst the average number of operations in the twenty districts is 9,159 each.

14. On comparison with the work of the previous year there is a decrease of 6,816 operations in the department proper. This large decrease is accounted for by the withdrawal of the extra staff from South Canara in consequence of the cessation of small-pox. In this district alone there is a decrease of 9,426 operations, in Kistna 2,660, and in the Godavery 1,148, whilst Tinnevely, Salem, Malabar, Jaypore, Vizagapatam, and Hill Tracts, Ganjam, show a decrease ranging from 201 to 645 operations. The decrease in the Northern Districts is owing to a great prevalence of fever, dysentery, and small-pox, and in the Southern Districts also there was much sickness, chiefly small-pox, which satisfactorily accounts for the decrease in these several districts.

15. The percentage of success in like manner varies in the several districts dependent greatly on the command of fresh vaccine lymph. When fresh lymph is to be had the success is high, but when preserved vaccine lymph has to be used the success falls low.

16. The greatest success has been attained in the Trichinopoly District, where it was 97.78 ; next in order stand Madras, Madura, Tinnevely, Malabar, Vizagapatam, South Arcot, Hill Tracts Ganjam, Bellary, and Tanjore ; North Arcot and South Canara in numerical order, showing above 90 per cent. as successful. The smallest amount of percentage attained was at Ganjam, in which it was, viz., 67.8 ; in Godavery and Nellore it was a fraction over 83 ; whilst the average of the whole twenty districts was 91.41 per cent. of success, which I think extremely good.

17. The numbers vaccinated during the past six years stand as given below :—

1866	...	...	...	...	...	194,509
1867	...	...	...	...	...	270,749
1868	...	...	...	...	...	264,696
1869	...	...	...	...	...	255,685
1870-71	...	...	...	...	...	278,520
1871-72	...	...	...	...	...	280,477

18. The year under review gives a total of 280,477 operations throughout the Presidency during 1871-72, particulars of which are given below in a tabular form :—

	Total of Operations	Increase.	Decrease.	Increase.
Vaccine Districts and Vaccine Depôt.	188,813	...	6,816	...
Three Military Cantonments	4,468	965	...	...
Private Vaccinators	1,104	...	4,109	...
Temporary Vaccinators	3,105	...	3,848	...
Vaccinators worked temporarily in South Canara and Bangalore	3,911	3,911	...	...
Temporary Government Establishments in Bellary and Shevargangah	1,311	1,311	...	...
Medical Subordinates	18,399			

Selections from the Records of the Madras Government.

No. XXXIII.

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REPORT ON VACCINATION

THROUGHOUT

THE PRESIDENCY AND PROVINCES

MADRAS,

IN THE YEAR

1871-72.

PUBLISHED BY AUTHORITY.

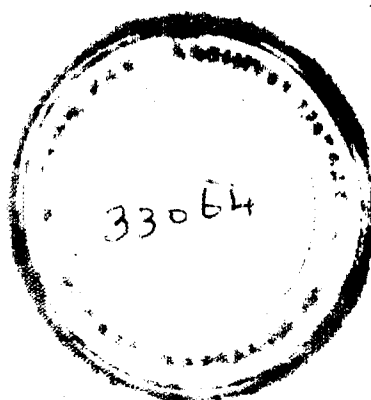
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1873.

* B. S. செபபண்டிதர் காத எடுத்தது *
* செபபண்டிதர் கொள்ளப்பட்ட 1988 *
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* கையெழுப்பம் *

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M73



INDIAN MEDICAL DEPARTMENT,
FORT SAINT GEORGE, 18th January 1873.

From
E. G. BALFOUR, Esq.,
Inspector-General, Indian Medical Department,
Fort Saint George,

To
THE HONORABLE W. HUDLESTON,
Chief Secretary to Government,
Fort Saint George.

SIR,

I HAVE the honor to submit, herewith, for the information of the Honorable the Governor in Council, the report of the Superintendent-General of Vaccination on the working of his department for the official year 1871-72.

2. *Superintendent-General.*—In the official year under report he visited and inspected the work of his subordinates in six districts and the cantonment of Bangalore, and during his tenure of office as Superintendent-General he has proceeded on tours of inspection as detailed in the following statement. Some circles have been more frequently visited than others, and this having been noticed by me about the middle of the past year the Superintendent-General's attention was specially directed to the point for future guidance:—

Statement showing the Annual Tours of the Superintendent-General of Vaccination since 1865.

District.	1865.	1866.	1867.	1868.	1869.	1870-71.	1871-72.	1872-73.
North Arcot ...	1	1	1	1	1	1	1	...
South Arcot ...	1	...	1	1	...	1	1	...
Bangalore ...	1	1	1	1	2	4	3	...
Bellary ...	1	1	1	1	...	...	...	1
Coinbatore ...	1	2	1	1	1	1	1	...
Cuddapah ...	1	1	2	1	...	...	...	1
Chingleput ...	1	...	1	1	1	1	2	...
South Canara ...	...	...	...	...	1	1	...	1
Ganjam ...	...	...	...	...	...	1	...	...
Godavery ...	1	1	...	...	...	1	...	...
Kistna ...	1	1	...	...	...	1	...	...
Kurree ...	...	1	1	...	...	...	...	1
Madras ...	Weekly visits to Depot and districts once a year.							
Madura ...	1	1	1	...	1	...	1	...
Malabar ...	1	1	1	1	2	1	...	1
Nellore ...	...	...	...	...	1	1	...	...
Salem ...	1	1	1	1	2			

3. *Superintendents*.—Four casualties occurred in the Superintendent's grade during the year 1871-72. Two Hospital Assistants were returned to the Medical Department, one Hospital Assistant died, and one Superintendent was degraded. Some of the Superintendents are reported on as having worked well, but fault had to be found with others and fines imposed "for carelessness and neglect of duty."

4. *Vaccinators*.—Since the year 1870 the system of distributing the vaccinators singly in the ~~several~~ taluqs has been adopted,* but the Superintendent-General is of opinion that this plan has not worked well. He states that much fault had to be found with the vaccinators, some of whom, from not being constantly under the eye of a Superintendent, took to sending in false returns. In four instances the delinquents were detected, and, after conviction before a Magistrate, duly punished. Others, finding that they were likely to be detected, deserted but without leaving any trace to admit of their being followed up and prosecuted. Surgeon Shortt observes that since the institution of the "Local Fund Boards, some of the Collectors have taken a greater interest in the work of vaccination, and with their assistance it is possible to bring to light instances in which false returns have been submitted." The casualties amongst vaccinators during the year under report were nearly double the number recorded in 1871. They may be summarized as follows:—

Desertions	12
Dismissal	11
Resignations	8
Appointed but failed to join	7
Deaths	5
Total	43

As the strength of the vaccinators was 264 the percentage of casualties amounted to 16.2. On the 31st March 1872 the Vaccine Establishment was 3.92 per cent. below the sanctioned strength. Every endeavour was made to keep the staff up to its full complement, but on the occurrence of vacancies it takes a little time to find competent and willing men. Of the whole establishment of vaccinators employed during 1871-72 it is stated that 202, or 79 per cent., could read and write English and keep their records in that language.

5. *Female Vaccinators*.—During 1871-72 at my suggestion an attempt was made to introduce a few women into the vaccination staff, with the view of being able to extend the benefits of vaccination to women and others who, under the social customs of the people, cannot appear in the presence of men. Seven women were accordingly enter-

tained and trained to the work, of whom three resigned, and of the four now remaining two are East Indians and two natives. Difficulty is experienced in finding suitable candidates for this new branch of the department, as the salary is too small to make the situation an object for women possessing the necessary qualification of being able to read and write their own language. The Superintendent-General states, however, that the work was equally well performed by this portion of his staff as by male vaccinators, and that "where young children are concerned the tact and gentleness of the female vaccinators supersede that of the males and win the hearts of the mothers."

6. *Private Vaccination*.—In paragraph 7 of my letter submitting the vaccination report of 1870-71 I mentioned that six men were practising as private vaccinators, and gaining their livelihood by the fees they obtained for operating. Of these six one died, another entered the Government service, and four, I regret to report, did little work during the past official year.

7. In 1870, Mr. Price, C. S., instituted in the Salem District a scheme for the maintenance of a certain number of vaccinators, by a fund raised by subscription and a contribution from Government.* This arrangement appears to have borne good fruit during the past official year, there having been an increase of 2,730 in the number of operations performed by these vaccinators, as compared with the results for 1870-71.

8. *Municipal Vaccination*.—The numbers operated on by vaccinators employed by Municipalities during the past two years were as follow:—in 1870-71 there were 22,936 operations performed, and in 1871-72 they amounted to 28,298. These figures show an increase to the extent of 5,362, but the Superintendent-General is of opinion that the work "is unsatisfactory on the whole," that "in many municipal towns the supervision is nominal and the work very imperfect. In some towns the result system has been introduced, but I found," he says, "the work very imperfectly done, that

from their children's arms. In their Order marginally noted the G. O., No. 324, of 11th Government directed that Municipalities and Local March 1872.

Fund Boards should provide in future the necessary charges for batta to mothers, but of Rupees 1,175 sanctioned for this purpose in the budgets of mofussil circles, only Rupees 22-11-2 were expended. The attention of the Superintendent-General will, therefore, be again specially directed to this point, as there seems no other feasible mode of securing a regular supply of fresh lymph except by the issue of batta to the mothers.

11. *Average number vaccinated by each Vaccinator.*—The mean average number of operations performed by each vaccinator during the past official year was 763; in 1870-71 the mean was 801, showing a decrease of 38 in 1871-72. The following return exhibiting the average work done by the vaccinators in each district during the two past official years has, for easy reference, been compiled from the tables of the Superintendent-General:—

District.	Average number of persons vaccinated by each Vaccinator.		Increase over 1870-71.	Decrease under 1870-71.
	1870-71.	1871-72.		
Madura District	1,150	1,367	217	...
Tanjore do.	1,320	1,522	202	...
Bellary do.	781	967	186	...
Nellore do.	867	956	89	...
Kurcool do.	236	325	89	...
Madras Collectorate	416	503	87	...
Chingleput District	526	581	55	...
Cuddapah do.	335	435	100	...
Vizagapatam do.	248	272	24	...
North Arcot do.	604	616	12	...
Hill Tracts of Ganjam	172	168	...	4
Ganjam District	133	133	...	...
Coimbatore do.	885	876	...	9
Trichinopoly do.	880	853	...	27
Malabar do.	801	769	...	32
Salem do.	667	628	...	39
Godavery do.	1,037	933	...	104
Jeypore Hill Tracts	248	141	...	104
Tinnevely District	1,845	1,211	...	134
Kistna do.	942	700	...	242
South Arcot do.	1,602	1,165	...	437
South Canara do.	2,007	1,054	...	953
Vaccine Depot	3,496	2,320	...	1,176

the regular vaccination establishment, and, as already remarked, show a gross decrease of 6,816 operations:—

Districts.	Total number of persons vaccinated.		Increase over 1870-71.	Decrease under 1870-71.
	1870-71.	1871-72.		
Bellary	11,720	14,507	2,787	...
Madura	15,802	16,411	2,609	...
Nellore	8,570	10,519	1,949	...
Madras	4,376	6,699	1,323	...
North Arcot	6,040	6,777	737	...
Tanjore	14,523	15,224	701	...
Kurnool	2,588	3,238	650	...
Chingleput	6,415	6,976	561	...
Vizagapatam	2,757	3,010	253	...
Cuddapah	4,230	4,359	129	...
Ganjam	1,604	1,606	2	...
Coimbatore	10,027	10,512	485	115
Ganjam Hill Tracts	1,377	1,176	...	201
Trichinopoly	9,880	9,390	...	290
Malabar	8,817	8,465	...	352
Salem	7,541	6,907	...	634
Vizagapatam, Jeypore	1,473	850	...	623
Tinnevely	12,111	11,400	...	711
Godavary	11,416	10,268	...	1,148
Vaccine Depot	3,166	2,326	...	1,840
South Arcot	14,419	12,824	...	1,595
Kistna	10,369	7,709	...	2,660
South Canara	22,077	12,661	...	9,416
Total	109,029	133,213	11,881	18,697
Decrease ...			18,697	
Increase ...			11,881	
Total Decrease ...				

attacks those unprotected by vaccination, and they have the further risk of being much more liable to contract the disease than those who have had cow-pox. The decreasing ratio of mortality in proportion to the number of vaccine cicatrices is also worthy of notice.

I have the honor to be,
Sir,

Your most obedient servant,
EDWARD BALFOUR,
Insp.-Genl. of Hospals, Ind. Medl. Dept.

SEVENTH ANNUAL REPORT OF VACCINATION

IN THE

MADRAS PRESIDENCY

FOR THE YEAR 1871-72.

I HAVE the honor to submit the annual report of vaccination for the official year 1871-72, and in doing so to state that no change has been made in the establishment during the year under review.

2. On the 31st March 1872 the establishment was 3.92 per cent. below strength, and in a department with its members scattered throughout the Presidency vacancies will be constantly occurring, and it takes a little time to fill these up although we endeavour to do so as soon as possible after their occurrence.

3. There have been 43 casualties with 51 appointments during the past official year. 202 of the whole strength, or 79 per cent., can read and write English and keep their registers in this language.

4. There have been four casualties among the Superintendents. Of these, two were Hospital Assistants who were removed back to the Medical Department by orders of the Inspector-General; a third, who had originally been a vaccinator, after officiating as Superintendent for some time, was degraded to the post of vaccinator for refusing to take up his appointment in the Northern Districts; and the fourth, Hospital Assistant Ramiah, died of dysentery contracted during his travels in the Coimbatore District. Ramiah was a well-trying, steady, and active subordinate, and the department has sustained a loss in his death, which I regret exceedingly.

5. Of the casualties among the vaccinators there have been 12 desertions, 11 dismissals, 8 resignations, 7 appointed but who did not join, and 5 deaths, making a total of 43. These casualties occurred in 16 districts. In the Salem District there were four desertions, four dismissals, three not joined, and two resignations; in the Madras Collectorate there was one desertion, four dismissals, two resignations, and one not joined; in Madura there were two desertions; in Tinnevely, Kurnool, Kistna, Vizagapatam, and Jeypore, one each. The death vacancies occurred in Cuddapah, Coimbatore, Goda-

ZEMINDARIES.

1.—GANJAM.

Twenty-two vaccinators only are said to have worked in the zemindari estates of this district; they are supervised by the Superintendent of Vaccination of the district. Their work for the whole year amounts to 9,697 operations, of which 9,161 were successful, 501 unsuccessful, and thirty-five unknown, giving a percentage of success of 94.47 and showing an increase of 669 operations over the work of the previous year. The number of operations under 1 year of age was 280. The following are the proportions of caste and sex :—

	Males.	Females.
Hindoos	5,076	4,619
Mahomedans	2	...
Total...	5,078	4619

2.—VIZAGAPATAM.

Twenty-seven vaccinators worked in this district during the year. Of these, twenty-one were supervised by the Superintendent of Vaccination of the district and six by the special Superintendent of Vaccination in the Jeypore Province of this district. The staff was scattered over the zemindari tracts of this district, and the work of the twenty-seven men collectively amounts to 6,915 operations with 6,415 successful, 423 unsuccessful, and seventy-seven unknown, and a percentage success of 92.76. 263 of these were under 1 year of age. The following gives the proportion of caste and sex :—

	Males.	Females.
Europeans and East Indians	1	3
Hindoos	2,935	2,513
Mahomedans	41	22
Other castes	805	595
Total...	3,782	3,133

3.—MOTLAH DISTRICT.
PITTAPORE ZEMINDARI.

Two vaccinators worked here during the year under review under the orders of the Superintendent of Vaccination of the district. They show a total of 867 operations, of which 682 were successful, 125

unsuccessful, and sixty unknown, giving a percentage of 78.66 of success. No children under 1 year of age were vaccinated. The total shows a small decrease of twenty-one operations. The following gives the caste and sex of the operations :—

	Males.	Females.
Europeans and East Indians	4	5
Hindoos	555	281
Mahomedans	11	11
Total...	570	297

4.—KISTNA.

NUZEED ZEMINDARI.

Two vaccinators worked here also throughout the year. Their returns show a total of 663 operations with 555 successful, sixty-one unsuccessful, and forty-seven unknown. The ratio of percentage of success has been 83.71. Forty-four children under 1 year of age were vaccinated, and the total shows a decrease of 168 cases below the work of the previous year, giving the following caste and sex :—

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No. 1.—Statement showing Particulars of Vaccination in each District of Superintendence

1	2	3		4		5		6	7	8			
		Number of Native Superintendents.		Number of Vaccinators.		Total Number of Persons vaccinated.				Name of the District or Zillah.			
		1871-72.	1870-71.	1871-72.	1870-71.	1871-72.	1870-71.						
Vaccines.	Name and Rank of Superintendent.							Collectorate, Political Agency, or Native State in which Vaccinations were performed during the year.	Population of Area included in last Column.				
		..	..	1	1	876	834	Palamecottah Municipality ...	.....	Tinnevelly	District		
		..	..	1	1	315	221	Tuticorin do. ...	.....	Do.	do.		
		..	..	1	1	314	253	Cuddapah do. ...	.....	Cuddapah	do.		
		..	..	1	1	180	198	Kurnool do. ...	.....	Kurnool	do.		
		..	..	1	1	45	...	Cambum do. ...	.....	Do.	do.		
		..	..	2	2	968	1,078	Bellary do. ...	.....	Bellary	do.		
		..	..	1	1	127	102	Anantapoor do. ...	.....	Do.	do.		
		..	..	2	2	642	629	Salem do. ...	.....	Salem	do.		
		..	..	1	1	1,153	1,069	Coimbatore do. ...	.....	Coimbatore	do.		
		..	..	1	1	515	...	Ootacamund do. ...	.....	Do.	do.		
		..	..	1	1	283	...	Coonoor do. ...	.....				

