

Notes and statistics on vaccination in Burma.

Contributors

Burma.

Publication/Creation

Rangoon : Government Printing, [1927]

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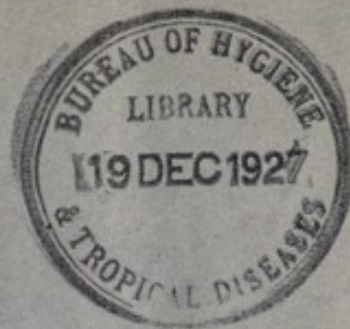
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NOTES AND STATISTICS

ON

VACCINATION IN BURMA

For the year 1926-27

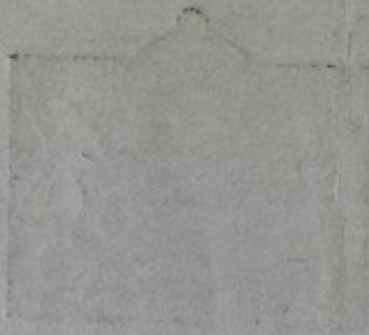
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Rangoon

Superintendent, Government Printing and Stationery, Burma

1927

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NOTICE AND STATISTICS

NO.

VACCINATION IN BURMA

FOR THE YEAR 1926-27

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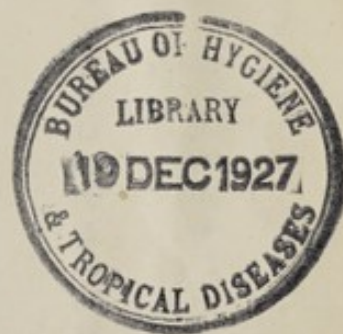


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ON

VACCINATION IN BURMA

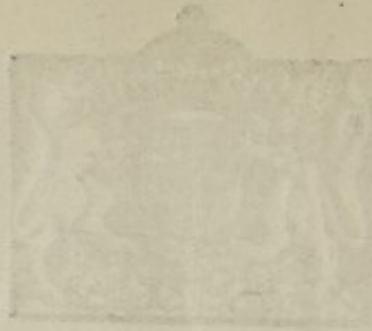
For the year 1926-27



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1927

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Resolution
ON THE
Notes and Statistics on Vaccination in Burma
FOR THE YEAR 1926-27.

Extract from the Proceedings of the Government of Burma, Public Health
Department,—No. 418S27, dated the 30th August 1927.

READ—

The Notes and Statistics on Vaccination in Burma for the year 1926-27.

RESOLVED THAT—

The Report be published.

By order.

W. H. PAYTON,
*Secretary to the Government of Burma,
Education Department.*

Resolution

of the

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For the Year 1922

Extract from the Yearbook of the Government of Health, 1922, Part II, p. 115

Price

The notes and statistics on Vaccination in Britain for the year 1922

Revised price

The Report by published

By order

W. H. TAYLOR,

Secretary to the Government of Health,
London

NOTES AND STATISTICS

ON

VACCINATION IN BURMA

FOR THE YEAR 1926-27.

Establishment.—The following table contrasts the strength of vaccination staff employed in the Province during 1926-27 with that of the two preceding years.

| Years. | District Superintendents of Vaccination. | Part-time Supervising Officers, | | Inspectors of Vaccination. | Head Vaccinator. | Vaccinators. |
|---------|--|---------------------------------|--------|----------------------------|------------------|--------------|
| | | S.A.S. | P.H.I. | | | |
| 1924-25 | 41 | 27 | 6 | 43 | 1 | 342 |
| 1925-26 | 41 | 27 | 8 | 44 | 1 | 365 |
| 1926-27 | 41 | 28 | 9 | 42 | 1 | 377 |

The number of Sub-Assistant Surgeons receiving allowances for supervising vaccination work in Municipal towns and otherwise employed in the Department was increased by one, due to the appointment of a medical practitioner as Superintendent of Vaccination in Moulmein Municipality, whereas the cadre of Inspectors of Vaccination was reduced by two. One of these was an appointment which was kept vacant during the year in the Shwebo District, the other was that of a temporary Inspector in Mergui District remaining over from 1925-26, whose services were dispensed with on the termination of the special vaccination campaign launched in that year.

The number of Public Health Inspectors employed on vaccination inspection duty was increased by one due to the appointment of an additional Inspector in Prome District.

During the year under report 16 new vaccinators were employed on the permanent cadre and four appointments were dispensed with leaving a net increase of 12. Of the 16 new appointments 6 were for whole time work and ten for part time. These appointments were:—*Whole time*— one each in the Hill District of Arakan, Prome and Meiktila Districts, and Ma-ubin town, two in Insein District, and *part time*—ten in

Hanthawaddy District. The four appointments dispensed with consisted of three in Mergui District and one in Salween District.

In addition to the above, six temporary vaccinators were employed for varying periods to cope up with minor outbreaks of small-pox in Amherst, Myingyan, Yamèthin and Sagaing Districts and Pyinmana Town.

2. *General Review.*—It is satisfactory to note that local bodies and the public in general are to an increasing extent realising the importance of efficient vaccination. For instance, the District Councils of Mandalay and Kyauksè have followed the example of other District Councils in extending the Vaccination Acts to their districts. Thus vaccination is now compulsory throughout the areas in charge of all District Councils in Lower Burma and the Acts are being gradually extended to Upper Burma Districts. Additional Vaccination staffs have in most cases been entertained as required permanently or temporarily in accordance with the advice of the Public Health Department, and it is to the credit of the Municipal Committees of Yandoon and Ma-ubin that they have now employed separate vaccinators for each town. Similarly the Municipal Committees of Kyangin and Nattalin have now employed whole-time vaccinators instead of part-time.

A study of the reports submitted from districts shows that opposition to vaccination has decreased greatly even in the more remote parts of the country. Occasionally, one finds a group of people in a village who avoid or object to vaccination, but this is now rare. Objections seem mainly to be based on a belief that vaccination at a young age retards growth and interferes with the parents' work. Occasionally, want of confidence in young and inexperienced vaccinators and lack of medical aid for vaccinated children who fall sick are responsible for unwillingness to submit to vaccination. Though Vaccination Acts involving compulsion are in force, this is rarely necessary as the policy adopted by this Department is to overcome the objections of the people by educational propaganda and personal persuasion.

Statement I. 3. *Total number of Persons vaccinated.*—The total number of persons vaccinated by the special staff during the year was 718,463. In addition to this 5,150 persons were vaccinated by Dispensary Staffs and 616 by other agencies as compared with 840,828, 7,333 and 730 respectively in 1925-26.

Statement I. 4. *Operations performed.*—The total number of operations performed was 720,551 (primary 511,750 and revaccination 208,801) as compared with 842,729 (primary 557,442 and revaccination 285,287) in the previous year. It is thus seen that there has been a decline in the output of work during the year under report, and it should be noted that this was chiefly due to a falling off in the number of operations performed under

revaccination. The reason is not far to seek. A much reduced incidence of small-pox in nearly all districts in 1926 has resulted in fewer revaccinations. A comparison of the number of operations performed in each district with the incidence of small-pox supports this inference.

| District. | Deaths from small-pox. | | Total Operations. | | Difference. |
|--------------------------|------------------------|-------|-------------------|----------|-------------|
| | 1925. | 1926. | 1925-26. | 1926-27. | |
| Pegu ... | 306 | 91 | 23,161 | 19,349 | - 3,812 |
| Pakòkku ... | 217 | 37 | 24,822 | 20,780 | - 4,042 |
| Mandalay ... | 286 | 166 | 29,071 | 20,374 | - 8,697 |
| Sagaing ... | 318 | 81 | 34,366 | 26,064 | - 8,302 |
| Katha ... | 83 | 15 | 19,560 | 13,494 | - 6,066 |
| Upper Chindwin ... | 277 | 25 | 23,749 | 11,940 | - 11,809 |
| Lower Chindwin ... | 145 | 51 | 18,872 | 13,844 | - 5,028 |
| Northern Shan States ... | 27 | 10 | 30,650 | 20,727 | - 9,923 |
| Southern Shan States ... | 47 | ... | 40,738 | 27,029 | - 13,709 |
| Kyaukpyu ... | 33 | ... | 16,878 | 9,934 | - 6,944 |
| Rangoon ... | 630 | 42 | 41,987 | 35,716 | - 6,271 |

In 25 out of 41 districts the outbreak of small-pox was less serious than in the preceding year, and in these districts the number of vaccinations declined, analysis of the returns showing this reduction to be mainly in revaccinations. In further support, the statistics of Prome and Myitkyina should be studied. In the former district, there were only four deaths from small-pox in 1925 but in 1926, the number of deaths was 292, while the number of vaccinations rose from 22,155 in 1925-26 to 30,844 in 1926-27, an increase of 8,689 operations mainly in revaccinations. Very similar figures were obtained in the case of Myitkyina. On the other hand, decrease in vaccinations is observed in Sandoway, Henzada, Ma-ubin, Toungoo, Thayetmyo, Myingyan and Shwebo in the face of a slight increase in the number of deaths from small-pox. The reasons assigned for this are varied. In Sandoway, sickness among the children and grant of leave to permanent Vaccinators are the reasons stated, whereas the District Health Officers of Henzada and Ma-ubin attributed the decrease to shortage of lymph supply. The decrease in Toungoo and Myingyan was confined to Municipal vaccination work only, while in Shwebo the lack of proper supervision over vaccinators, due to absence from duty of the Inspector of Vaccination and Public Health Inspectors are the explanations given. Much credit is due to the vaccination staff in the districts of Myaungmya, Pyapôn, Magwe and Meiktila where output showed an improvement though small-pox was less prevalent. The increased output in Salween and the Hill District of Arakan was due to the appointment in each of an additional Vaccinator.

With regard to the alleged shortage of lymph, there was a curtailment of lymph supply from the Vaccine Depôt, Meiktila, for about three months due to shortage of capillary tubes coupled with a drop in

the yield of lymph from vaccinated calves during the hot season. During these three months, lymph was issued to the full extent of demands only to those districts where small-pox existed in epidemic form.

Statement I.

5. *Primary Operations.*—In 16 districts, primary vaccinations showed increases while 25 districts registered decreases. Prome District heads the former list with an increase of 2,734 operations over the previous year's figure, followed by Meiktila with 1,583 operations and Myingyan 1,024. Other districts returned an increase of less than 1,000 operations. As has been stated, prevalence of small-pox was responsible for the large increase in Prome District, while in Meiktila the increase was attributed to the engagement of an additional vaccinator. Amongst the districts which recorded a decrease in primary vaccination, the Southern Shan States was the worst returning 13,668 operations less than the previous year's figure, closely followed by the Northern Shan States (—10,769). Kyaukpyu and Mandalay returned a deficit of over 3,000 operations each, while Ma-ubin, Mergui, Shwebo, Upper Chindwin and Lower Chindwin reported deficits of over 2,000 operations each. The decrease in the Southern Shan States, was confined mainly to the Kengtung Subdivision which has a separate vaccination staff of its own. In this Subdivision only 4,849 primary vaccinations were performed in 1926-27 as against 15,704 in the previous year. Illness of one vaccinator, grant of leave to a second and removal from the service of two other vaccinators contributed to this falling off. Similarly, suspension, dismissal, leave and casualties amongst vaccinators were the main causes for the deficit of primary vaccinations in the Northern Shan States. In Kyaukpyu District, the shortage of lymph supply and absence of small-pox lessened the output of vaccination, while in Mandalay the decrease was attributed to irregularities on the part of vaccination staff and grants of leave to certain vaccinators. Shortage of lymph supply reduced prevalence of small-pox and lack of proper supervision were the explanations offered for lessened outputs in the Ma-ubin, Shwebo, Upper and Lower Chindwin Districts. It is in my opinion permissible to conclude from the above that better supervision of the vaccination staff is required. When full-time District Health Officers are appointed, it will be possible to devote more time to such supervision.

Statement I.

6. *Re-vaccination.*—The total number of re-vaccinations performed during the year was 208,801 as against 285,287 in the previous year a difference of 76,486 operations. Only in 11 out of 41 districts, do re-vaccinations show an improvement over the previous year's figure. The largest increase was returned from Prome District where 5,995 operations were performed in excess of last year's output. Fewer re-vaccinations were recorded in thirty districts as follows:—Thatôn

(—10,233), Upper Chindwin (—9,107), Yamèthin (—8,949), Rangoon (—6,909), Katha (—5,987), Mandalay (—5,646), Pakôkku (—4,215), Shwebo (—3,843), Pegu (—3,582), Insein (—3,284), Kyaukpyu (—3,053), Lower Chindwin (—2,246), and Kyauksè (—2,097). The districts which recorded a deficit between 2,000 and 1,000 were Bassein, Ma-ubin, Amherst, Tavoy, Mergui, Thayetmyo and Myingyan.

7. *Results of Vaccination.*—When the output of primary or revaccination work shows a decrease from the previous year's return, it is to be expected that the total number of successful operations will also be less. Thus it is seen that in the year under report the recorded number of successful primary cases was 472,368 and re-vaccinations 61,531 as compared with 524,220 primary and 100,524 re-vaccination successes in the previous year. In 22,924 primary vaccinations, the results were unknown as compared with 21,461 in the previous year whilst actual failures amounted to 16,458 as compared with 11,761. The percentage of successes in primary vaccination in which the results were known was 96'63 and in re-vaccination 35'97, the figures for 1925-26 being primary 97'81 and re-vaccination 42'21. The district which recorded the highest percentage of successful primary cases was Tharrawaddy (99'97). Next come Prome and Pyapôn with success rate of 99'46 per cent closely followed by Henzada (99'44). The other districts which returned a success rate of over 99 per cent were Magwe (99'34), Ma-ubin (99'33), Pegu (99'26), Myaungmya (99'17), and Rangoon (99'01). The districts in which the lowest success rate was reported were : Pakôkku (87'78), Mandalay (87'99), Hill District of Arakan (89'52) and Tavoy (89'84). A low percentage of successful primary cases (92'54) in Hanthawaddy District suggests bad technique on the part of the vaccinators concerned. In one instance at least, it was found that the same lymph used in Hanthawaddy and Insein Districts which are under the same District Health Officer gave poor results in the latter. The poor success rate, 92'80, obtained in Meiktila District also suggests bad technique, while in some of the more remote districts of Upper Burma the explanation may be deterioration of the lymph from climatic conditions.

8. *Vaccination in Towns.*—In the 67 towns and notified areas in which the Vaccination Acts are in force a total of 97,296 operations was reported during the year of which 46,415 were primary and 50,881 revaccinations. This contrasts with 46,565 primary and 66,190 revaccinations or a total of 112,775 cases in the previous year. Here also vaccination work shows a falling off. Various reasons were put forward in explanation, but in most cases absence or reduced prevalence of small-pox seems to be the cause. Omitting Thamaing, Kamayut, Thingangyun and Kanbe, which were constituted towns quite recently, the output of primary vaccination in 25 towns shows an increase, and in

38 towns a decrease. Prominent amongst the towns in which a marked increase in primary operations is recorded are Rangoon (+638), Prome (+280), Henzada (+437), Kyaiklat (+247), Mergui (+554) and Taungdwingyi (+291). An excess of over 100 operations was reported from Pyapôn and Mandalay. On the other hand, a large decrease was noticeable in the towns of Nyaunglebin (—211), Bassein (—245), Myaungmya (—621), Moulmein (—347), and Sagaing (—290). Other towns which returned a deficit of over 100 primary operations were Tharrawaddy, Gyobingauk, Kyônpyaw, Wakema, Shwegyin, Thayetmyo, Pakôkku, Myingyan, Yamèthin and Bhamo.

The decrease in re-vaccination work in towns is serious. Seventeen towns registered an increase in re-vaccination work and forty-six towns a decrease. Marked increases in re-vaccinations were recorded in Syriam (+900), Shwedaung (+781), Taungdwingyi (+544), Prome (+361) and Danubyu (+231). On the other hand a large falling off in re-vaccination work is noticeable in Rangoon, Nyaunglebin, Mergui, Toungoo, Shwegyin, Minbu, Pakôkku, Mandalay, Meiktila, Nyaung-U, Yamèthin, Pyinmāna, Sagaing and Mōnywa.

A marked improvement under both classes of vaccination is noticeable in Prome, Shwedaung, Kyaiklat and Taungdwingyi towns.

9. *Results of Vaccination in Towns.*—42,316 successes in primary and 16,427 successes in revaccination were recorded during the year yielding a percentage of 94·78 in primary and 41·91 in revaccination as against 98·60 and 46·88 respectively in the previous year.

Cent per cent success in primary cases were reported from 22 towns and in 9 towns the success rates were above 99 per cent. In 18 towns the rates vary between 95 and 99 per cent. Low success rates in primary cases were recorded in Minbu (77·27 per cent), Mandalay (82·59 per cent), Myingyan (83·05 per cent), Bhamo (83·95 per cent) and Nyaung-U (87·12 per cent).

Appendix B. 10. *Infant Vaccination.*—In the 63 towns in which the Vaccination Acts are in force 34,361 births were registered. 10,552 children under one year of age died, leaving 23,809 survivors liable for primary vaccination. The total number of vaccinations at this age was 28,689 or an apparent excess of 4,880 children vaccinated over the number available for vaccination. The reasons for this apparent excess were the same as set forth in the reports for the preceding years and it is unnecessary to repeat them here. Thirty-three towns sent vaccination returns in excess of the number of survivors available for vaccination while in 30 towns it was less. In 12 towns the number of infants vaccinated not only exceeded the number of survivors available, but it exceeded the actual number of births registered in them during the year. Such irregularity is to be found in Rangoon, Pegu, Nyaunglebin, Nattalin, Insein, Prome, Shwedaung, Henzada, Ma-ubin, Pyapôn Mergui and

Thayetmyo. This suggests either defective birth registration or emigration from neighbouring districts. On the other hand a very low proportion of available infants were vaccinated in Thônze, Thôngwa, Wakèma, Pyu, Pakôkku and Myingyan.

11. *Dispensary Vaccination*.—The total number of vaccinations performed in hospitals and dispensaries was 5,185 (primary 3,609 and revaccinations 1,576) as compared with 7,398 (primary 3,824 and revaccination 3,574) in the previous year. No dispensary vaccination was reported from 24 districts. The district in which most dispensary vaccinations were performed was Myitkyina, and these amounted to more than half the total operations returned for the Province. Dispensary vaccination was performed on all who offered themselves voluntarily at times when small-pox was prevalent in or threatening the locality.

Statement
III.

The percentage of successful operations obtained in primary was 77.59 and in revaccination 45.06 as against 91.00 and 45.83 in last year respectively.

12. *Jail Vaccination*.—31,565 prisoners were vaccinated during the year. Primary vaccination was performed on 1,239 and revaccination on 30,326. Of the former 1,065 cases were reported as successful and of the latter 16,124 yielding a success rate of 85.96 and 53.17 per cent respectively.

13. *Vaccination by other Agencies*.—The total number of vaccinations performed by private practitioners was 616 of which 280 were primary and 336 revaccinations, the success rates being 94.05 and 59.49 per cent. respectively. Of the 253 successful primary cases 174 were children under one year of age, and 56 children whose ages lay between one and six.

14. *Steamer Vaccination*.—Under the provisions of section 9 of the Burma Vaccination Law Amendment Act of 1909, 49,763 labourers landing at the Port of Rangoon were vaccinated by the Corporation Vaccination staff under the supervision of the Port Health Authorities as against 41,169 in the previous year. No results could be verified as the subjects leave the station immediately after vaccination.

15. *Verification Work of Inspecting Officers*.—Of the total number of 724,229 persons vaccinated, District Health Officers and Assistant District Health Officers inspected the results of 60,661 or 8.37 per cent, which fall short of the minimum of inspection work expected from these officers (*viz.* 10 per cent). The Inspectors of Vaccination and other inspecting officers verified 271,222 or 52.78 per cent of primary cases and 47.92 per cent of re-vaccinations—an improvement over the work of the previous year. The districts in which a large percentage of inspection work by District Health Officers were recorded are Upper

Statement V.

Chindwin (primary 57'35 and revaccination 76'88), Tavoy (primary 32'63 and revaccination 9'25), and the Northern Shan States (primary 17'38 and revaccination 84'53). No inspection work was done by the District Health Officers of Thayetmyo and Shwebo Districts, and only 0'96 per cent of primary cases were verified by the District Health Officer, Henzada. Amongst the Inspectors of Vaccination a very creditable amount of inspection work was done by the Inspector of Vaccination of Upper Chindwin (primary 92'70 and revaccination 94'42) followed by Kyauksè (primary 74'76 and revaccination 79'50) and Akyab (primary 66'63 and revaccination 91'12). Other districts in which a large percentage of cases were inspected included Pegu, Tharrawaddy, Ma-ubin, Pyapôn, Tavoy, Thayetmyo and Myingyan.

16. *Cost of the Department.*—The total cost of the Department was Rs. 3,86,245-10-1 as against Rs. 3,74,109-1-9 in the previous year, an increase of Rs. 12,136-8-4. This increase was shared by all three budget heads, viz. "Pay of Establishment", "Travelling Allowances" and "Contingencies," but the main increase is accounted for by an increase of Rs. 8,082-13-6 under the first head.

The average cost for each successful vaccination was Rs. 0-11-7 as compared with Rs. 0-9-7 in 1925-26 and Rs. 0-9-6 in 1924-25. Prominent amongst districts which returned high cost were the Hill District of Arakan, Hanthawaddy, Insein, Tavoy, Mergui and Pakôkku Hill Tracts whereas low rates were noted in Prome, Salween, Minbu and Sagaing.

17. *Small-pox Inoculation.*—The practice of small-pox inoculation was detected in Tharrawaddy, Pegu, Prome, Bassein, Henzada, Myaungmya, Amherst, Pakôkku, Yamèthin, Meiktila and the Southern Shan States, and in all cases the inoculators and the inoculated persons were punished with fines, ranging from Rs. 1-8-0 to Rs. 80 'excepting in Yamèthin District where no action appears to have been taken against the offenders.

18. *Work of the Vaccine Depôt, Meiktila.*—No additions or alterations of any importance was effected during the year. Some minor improvements were however carried out.

Calves.—Calves were obtained by contract throughout the year, but for a few months near the end of the term of contract the contractor failed to supply the required number and his supply had to be supplemented by local purchase.

The number of unvaccinated calves remaining at the Depôt on the 1st April 1926 was 10 and 515 calves were purchased making a total of 525. Of this number 518 were inoculated and 6 died, leaving one unvaccinated calf at the close of the year. Of the vaccinated calves, 69 were remaining at the Depôt on 31st March 1927.

Lymph Output.—Four hundred and eighty-five calves were successfully vaccinated; 33 calves either failed to take or yielded lymph of such poor quality that it had to be destroyed. The following table contrasts the output and issue of lymph during the year under report and the two previous years:—

| Year. | Number of calves scraped. | Total yielded. | | Average yield per calf. | | Doses issued. |
|-------------|---------------------------|----------------|--------|-------------------------|---------|---------------|
| | | Oz. | Grams. | Grams. | Grains. | |
| 1924-25 ... | 344 | 377·12 | 10,743 | 31·23 | 529·6 | 1,072,701 |
| 1925-26 ... | 401 | 364·55 | 10,335 | 25·77 | 397·7 | 1,100,167 |
| 1926-27 ... | 485 | 411·43 | 11,664 | 24·05 | 370·4 | 974,229 |

Lymph Supply.—The total number of doses issued during the year was 9,74,229 of which 8,18,198 doses were supplied to Municipalities, Districts and the Army free of charge and the remaining 1,56,031 to other bodies on payment. This compares with a total of 1,67,560 doses issued during 1925-26.

Finance.—The gross revenue earned from sale of lymph and calves was Rs. 9,221-12-3 as against Rs. 10,907-5-3 in the previous year, the slight decrease being due to a fall in the sale price of vaccinated calves.

The net expenditure of the Depôt was Rs. 22,430-3-6 compared with Rs. 19,915-14-2 last year, an increase of Rs. 2,514-5-4 being due to enhanced cost of purchasing and feeding calves and increased expenditure under contingencies.

19. *Training Class.*—Twenty-nine Apprentice Vaccinators were successfully trained in vaccination and twenty-two Public Health Inspectors began their course of training in vaccination on 7th March 1927. In addition to these one Epidemic Sub-Assistant Surgeon was also trained.

20. *General Remarks.*—Dr. H. H. Lynsdale, I.M.D., was in charge of the Depôt with Dr. U Thaw Zan as his assistant. The former remained till 1st March 1927 from which date Dr. G. H. Blaker, I.M.D., took over charge of the Directorship, Vaccine Depôt, as a whole-time Director.

His Excellency the Governor of Burma visited the Depôt on 11th August and Dr. U Ba Yin, The Hon'ble Minister of Education, Local Government and Public Health, on 21st June 1926.

G. JOLLY, Major, I.M.S.,

RANGOON, 28th June 1927.

Offg. Director of Public Health, Burma.

19. *Lawyer's Salary*—The total number of doses is and during the year 1955-56 of which 8,18,118 doses were supplied to Municipalities, 3,50,031 to Districts and the State and the remaining 1,50,580 doses were supplied to other bodies on payment. This compares with a total of 1,50,580 doses supplied during 1954-55.

| Particulars | 1955-56 | | 1954-55 | |
|----------------|-----------------|--------------|-----------------|--------------|
| | Number of Doses | Value in Rs. | Number of Doses | Value in Rs. |
| Total | 12,18,737 | 1,07,70,000 | 12,18,737 | 1,07,70,000 |
| Municipalities | 8,18,118 | 7,10,00,000 | 8,18,118 | 7,10,00,000 |
| State | 3,50,031 | 3,00,00,000 | 3,50,031 | 3,00,00,000 |
| Other Bodies | 50,588 | 67,00,000 | 50,588 | 67,00,000 |

20. *Finance*—The gross revenue earned from sale of lymph and calves is Rs. 9,22,412.3 as against Rs. 10,00,512.3 in the previous year, the net expenditure of the Deptt. was Rs. 27,43,202.0 compared with Rs. 19,02,544.2 last year, an increase of Rs. 8,41,657.8 being due to increased cost of purchasing and feeding calves and increased expenditure under contingencies.

21. *19. Training Class*—Twenty-nine Agricultural Veterinarians were successfully trained in vaccination and serum-tube Public Health Laboratory began their course of training in vaccination on 1st March 1957. In addition to these one Epidemic Sub-Assistant Surgeon was also trained.

20. *General Remarks*—Dr. H. H. J. N. S. was in charge of the Deptt. with Dr. U. P. S. as his assistant. The former remained in charge of the Directorate, Vaccine Depot, as a whole time Director. His Excellency the Governor of Bihar visited the Depot on 11th June 1956 and Dr. U. P. S. in the Public Minister of Education, Local Government and Public Health, on 21st June 1956.

G. JOLLY, Director, I.M.D.,
 Govt. Institute of Public Health, Patna.

A.—VACCINATION

STATEMENT NO. I—Showing the particulars of Vaccination in the

| No. | Divisions and Districts. | Population of districts according to Census of 1921. | Average population per square mile. | Average number of vaccinators employed throughout the year. | Total number of persons vaccinated. | | |
|---------------------|-----------------------------|--|-------------------------------------|---|-------------------------------------|----------|--------|
| | | | | | Males. | Females. | Total. |
| (1) | (2) | (3) | (4) | (5) | (6) | | |
| ARAKAN DIVISION. | | | | | | | |
| 1 | Akyab District | 576,430 | 112 | 12 | 11,284 | 9,502 | 20,786 |
| | Rural | 539,861 | ... | 10 | 10,104 | 9,138 | 19,242 |
| | Urban | 36,569 | ... | 2 | 1,180 | 364 | 1,544 |
| 2 | Hill District of Arakan ... | 20,914 | 14 | 3 | 1,180 | 579 | 1,759 |
| 3 | Kyaukpyu District | 199,873 | 46 | 6 | 5,874 | 4,060 | 9,934 |
| | Rural | 195,989 | ... | 6 | 5,800 | 3,999 | 9,799 |
| | Urban | 3,884 | ... | ... | 74 | 61 | 135 |
| 4 | Sandoway District | 112,029 | 30 | 4 | 3,388 | 2,854 | 6,242 |
| | Rural | 108,267 | ... | 3 | 3,280 | 2,794 | 6,074 |
| | Urban | 3,762 | ... | 1 | 108 | 60 | 168 |
| PEGU DIVISION. | | | | | | | |
| 5 | Rangoon | 345,505 | 4,487 | 22 | 28,326 | 7,390 | 35,716 |
| 6 | Pegu District | 445,620 | 109 | 8 | 9,717 | 9,632 | 19,349 |
| | Rural | 419,355 | ... | 6 | 8,093 | 8,667 | 16,760 |
| | Urban | 26,265 | ... | 2 | 1,624 | 965 | 2,589 |
| 7 | Tharrawaddy District ... | 492,429 | 172 | 12 | 13,242 | 13,935 | 27,177 |
| | Rural | 449,000 | ... | 8 | 12,574 | 13,331 | 25,905 |
| | Urban | 43,429 | ... | 4 | 668 | 604 | 1,272 |
| 8 | Hanthawaddy District ... | 364,624 | 195 | 19 | 12,379 | 10,343 | 22,722 |
| | Rural | 341,278 | ... | 17 | 8,699 | 10,018 | 18,717 |
| | Urban | 23,346 | ... | 2 | 3,680 | 325 | 4,005 |
| 9 | Insein District | 289,540 | 152 | 8 | 8,096 | 7,332 | 15,428 |
| | Rural | 254,031 | ... | 6 | 7,156 | 6,479 | 13,635 |
| | Urban | 35,509 | ... | 2 | 940 | 853 | 1,793 |
| 10 | Prome District | 371,575 | 127 | 13 | 15,314 | 15,570 | 30,884 |
| | Rural | 322,246 | ... | 9 | 12,774 | 13,627 | 26,401 |
| | Urban | 49,329 | ... | 4 | 2,540 | 1,943 | 4,483 |
| IRRAWADDY DIVISION. | | | | | | | |
| 11 | Bassein District | 489,473 | 119 | 16 | 13,137 | 13,563 | 26,700 |
| | Rural | 434,904 | ... | 11 | 11,385 | 12,266 | 23,651 |
| | Urban | 54,569 | ... | 5 | 1,752 | 1,297 | 3,049 |

† Work done by

DEPARTMENT.

Province of Burma during the year 1926-27 (Paragraphs 3, 4, 5, 6 and 7).

| Average number of persons vaccinated by each vaccinator. | Primary Vaccination. | | | | | No. |
|--|----------------------|-----------------|--------------------------|--------------------|----------|-----|
| | Total. | Successful. | | | Unknown. | |
| | | Under one year. | One and under six years. | Total of all ages. | | |
| (7) | (8) | (9) | (10) | (11) | (12) | (1) |
| 1,732 | 17,261 | 3,258 | 11,388 | 16,624 | 301 | 1 |
| 1,924 | 16,468 | 2,856 | 11,096 | 15,831 | 301 | |
| 772 | 793 | 402 | 292 | 793 | ... | |
| 586 | 1,145 | 3 | 242 | 1,025 | ... | 2 |
| 1,656 | 8,443 | 955 | 3,583 | 7,421 | 501 | 3 |
| 1,633 | 8,329 | 883 | 3,563 | 7,322 | 497 | |
| ... | 114 | 72 | 20 | 99 | 4 | |
| 1,561 | 4,871 | 1,278 | 1,705 | 4,067 | 399 | 4 |
| 2,025 | 4,746 | 1,184 | 1,685 | 3,943 | 399 | |
| 168 | 125 | 94 | 20 | 124 | ... | |
| 1,603 | † 10,415 | 7,135 | 2,010 | 9,405 | 916 | 5 |
| 2,419 | 13,690 | 4,858 | 6,604 | 12,982 | 611 | 6 |
| 2,793 | 12,036 | 3,919 | 6,104 | 11,448 | 556 | |
| 1,294 | 1,654 | 939 | 500 | 1,534 | 55 | |
| 2,265 | 19,319 | 5,298 | 12,375 | 18,943 | 371 | 7 |
| 3,238 | 18,224 | 4,571 | 12,067 | 17,876 | 346 | |
| 318 | 1,095 | 727 | 308 | 1,067 | 25 | |
| 1,196 | 16,543 | 4,094 | 8,194 | 14,653 | 708 | 8 |
| 1,101 | 16,052 | 3,818 | 8,005 | 14,179 | 708 | |
| 2,003 | 491 | 276 | 189 | 474 | ... | |
| 1,929 | 11,987 | 3,259 | 5,928 | 11,072 | 512 | 9 |
| 2,273 | 10,421 | 2,696 | 5,065 | 9,513 | 506 | |
| 897 | 1,566 | 563 | 863 | 1,559 | 6 | |
| 2,376 | 22,113 | 6,211 | 13,363 | 21,679 | 317 | 10 |
| 2,933 | 19,705 | 4,522 | 12,737 | 19,335 | 268 | |
| 1,121 | 2,408 | 1,689 | 626 | 2,344 | 49 | |
| 1,669 | 20,509 | 4,101 | 8,549 | 17,118 | 3,077 | 11 |
| 2,150 | 18,571 | 3,173 | 7,995 | 15,252 | 3,022 | |
| 610 | 1,938 | 928 | 554 | 1,866 | 55 | |

other agencies included.

A.—VACCINATION

STATEMENT NO. I—Showing the particulars of Vaccination in the

| No. | Divisions and Districts. | | Re-vaccination. | | | Percentage of successful cases in which the results were known. | | Persons success-fully vaccinated per 1,000 of population. |
|---------------------|-----------------------------|-----|-----------------|-------------|----------|---|-----------------|---|
| | | | Total. | Successful. | Unknown. | Primary. | Re-vaccination. | |
| (1) | (2) | | (13) | (14) | (15) | (16) | (17) | (18) |
| ARAKAN DIVISION. | | | | | | | | |
| 1 | Akyab District ... | ... | 3,525 | 1,288 | 352 | 98'02 | 40'59 | 31'07 |
| | Rural ... | ... | 2,774 | 1,160 | 110 | 97'92 | 43'54 | 31'47 |
| | Urban ... | ... | 751 | 128 | 242 | 100'00 | 25'15 | 25'19 |
| 2 | Hill District of Arakan ... | ... | 614 | 221 | ... | 89'52 | 35'99 | 59'58 |
| 3 | Kyaukpyu District ... | ... | 1,491 | 539 | 262 | 93'44 | 43'86 | 39'83 |
| | Rural ... | ... | 1,470 | 535 | 259 | 93'49 | 44'18 | 40'09 |
| | Urban ... | ... | 21 | 4 | 3 | 90'00 | 22'22 | 26'52 |
| 4 | Sandoway District ... | ... | 1,371 | 217 | 77 | 90'94 | 16'77 | 38'24 |
| | Rural ... | ... | 1,328 | 212 | 77 | 90'71 | 16'95 | 38'38 |
| | Urban ... | ... | 43 | 5 | ... | 99'20 | 11'63 | 34'29 |
| PEGU DIVISION. | | | | | | | | |
| 5 | Rangoon ... | ... | †25,301 | 7,664 | 8,098 | 99'01 | 44'55 | 49'40 |
| 6 | Pegu District ... | ... | 5,659 | 1,131 | 1,523 | 99'26 | 27'35 | 31'67 |
| | Rural ... | ... | 4,724 | 758 | 1,364 | 99'72 | 22'56 | 29'11 |
| | Urban ... | ... | 935 | 373 | 159 | 95'93 | 48'06 | 72'61 |
| 7 | Tharrawaddy District ... | ... | 7,858 | 2,824 | 2,375 | 99'97 | 51'50 | 44'20 |
| | Rural ... | ... | 7,681 | 2,751 | 2,339 | 99'99 | 51'50 | 45'94 |
| | Urban ... | ... | 177 | 73 | 36 | 99'72 | 51'77 | 26'25 |
| 8 | Hanthawaddy District ... | ... | 6,179 | 1,778 | 1,061 | 92'54 | 34'74 | 45'06 |
| | Rural ... | ... | 2,665 | 555 | 294 | 92'41 | 23'41 | 43'17 |
| | Urban ... | ... | 3,514 | 1,223 | 767 | 96'54 | 44'52 | 72'69 |
| 9 | Insein District ... | ... | 3,441 | 467 | 816 | 96'49 | 17'79 | 39'85 |
| | Rural ... | ... | 3,214 | 448 | 637 | 95'95 | 17'38 | 39'21 |
| | Urban ... | ... | 227 | 19 | 179 | 99'94 | 39'58 | 44'44 |
| 10 | Prome District ... | ... | 8,771 | 2,251 | 829 | 99'46 | 28'34 | 64'40 |
| | Rural ... | ... | 6,696 | 1,710 | 573 | 99'48 | 27'93 | 65'31 |
| | Urban ... | ... | 2,075 | 541 | 256 | 99'36 | 29'74 | 58'48 |
| IRRAWADDY DIVISION. | | | | | | | | |
| 11 | Bassein District ... | ... | 6,191 | 2,549 | 1,903 | 98'20 | 59'44 | 40'18 |
| | Rural ... | ... | 5,080 | 1,656 | 1,822 | 98'09 | 50'83 | 38'88 |
| | Urban ... | ... | 1,111 | 893 | 81 | 99'10 | 86'70 | 50'56 |

† Work done by

DEPARTMENT.

Province of Burma during the year 1926-27—contd.

| Percentage of unknown cases to total cases. | | Average annual number of persons successfully vaccinated during previous five years. | | Average annual number of deaths from small-pox during previous five years. | | No. |
|---|-----------------|--|------------------|--|------------------|-----|
| Primary. | Re-vaccination. | Number. | Ratio per 1,000. | Number. | Ratio per 1,000. | |
| (19) | (20) | (21) | (22) | (23) | (24) | (1) |
| 1.74 | 9.99 | 26,406 | 45.81 | 182 | .31 | 1 |
| 1.83 | 3.97 | ... | ... | ... | ... | |
| ... | 32.22 | ... | ... | ... | ... | |
| ... | ... | 1,164 | 55.66 | ... | ... | 2 |
| 5.93 | 17.57 | 12,692 | 63.50 | 27 | .13 | 3 |
| 5.97 | 17.62 | ... | ... | ... | ... | |
| 3.51 | 14.29 | ... | ... | ... | ... | |
| 8.19 | 5.62 | 5,390 | 48.11 | 24 | .22 | 4 |
| 8.41 | 5.72 | ... | ... | ... | ... | |
| ... | ... | ... | ... | ... | ... | |
| 8.80 | 32.01 | 19,665 | 57.27 | 236 | .69 | 5 |
| 4.46 | 26.91 | 15,984 | 35.87 | 121 | .27 | 6 |
| 4.62 | 28.87 | ... | ... | ... | ... | |
| 3.33 | 17.01 | ... | ... | ... | ... | |
| 1.92 | 30.22 | 22,324 | 45.33 | 61 | .12 | 7 |
| 1.90 | 30.45 | ... | ... | ... | ... | |
| 2.28 | 20.34 | ... | ... | ... | ... | |
| 4.28 | 17.17 | 16,365 | 44.88 | 33 | .09 | 8 |
| 4.41 | 11.03 | ... | ... | ... | ... | |
| ... | 21.83 | ... | ... | ... | ... | |
| 4.27 | 23.71 | 13,209 | 45.29 | 35 | .12 | 9 |
| 4.86 | 19.82 | ... | ... | ... | ... | |
| .38 | 78.85 | ... | ... | ... | ... | |
| 1.43 | 9.45 | 14,875 | 40.03 | 42 | .11 | 10 |
| 1.36 | 8.56 | ... | ... | ... | ... | |
| 2.03 | 12.34 | ... | ... | ... | ... | |
| 15.00 | 30.74 | 20,812 | 42.52 | 24 | .05 | 11 |
| 16.27 | 35.87 | ... | ... | ... | ... | |
| 2.84 | 7.29 | ... | ... | ... | ... | |

other agencies included.

A.—VACCINATION.

STATEMENT NO. I—Showing the particulars of Vaccination in the

| No. | Divisions and Districts. | Population of districts according to Census of 1921. | Average population per square mile. | Average number of vaccinators employed throughout the year. | Total number of persons vaccinated. | | |
|-----------------------------|--------------------------|--|-------------------------------------|---|-------------------------------------|----------|--------|
| | | | | | Males. | Females. | Total. |
| (1) | (2) | (3) | (4) | (5) | (6) | | |
| IRRAWADDY DIVISION—concl'd. | | | | | | | |
| 12 | Henzada District | 550,920 | 192 | 14 | 14,054 | 14,557 | 28,611 |
| | Rural | 512,412 | ... | 12 | 13,107 | 13,599 | 26,706 |
| | Urban | 38,508 | ... | 2 | 947 | 958 | 1,905 |
| 13 | Myaungmya District | 370,551 | 140 | 15 | 14,711 | 15,885 | 30,596 |
| | Rural | 349,709 | ... | 12 | 13,786 | 15,145 | 28,931 |
| | Urban | 20,842 | ... | 3 | 925 | 740 | 1,665 |
| 14 | Ma-ubin District | 330,106 | 201 | 11 | 12,853 | 12,956 | 25,809 |
| | Rural | 305,938 | ... | 8 | 11,420 | 12,221 | 23,641 |
| | Urban | 24,168 | ... | 3 | 1,433 | 735 | 2,168 |
| 15 | Pyapôn District | 288,994 | 135 | 10 | 9,924 | 11,066 | 20,990 |
| | Rural | 272,111 | ... | 8 | 8,825 | 10,010 | 18,835 |
| | Urban | 16,883 | ... | 2 | 1,099 | 1,056 | 2,155 |
| TENASSERIM DIVISION. | | | | | | | |
| 16 | Salween District | 50,379 | 19 | 2 | 3,804 | 2,443 | 6,247 |
| 17 | Thatôn District | 471,100 | 98 | 11 | 13,358 | 13,280 | 26,638 |
| | Rural | 448,841 | ... | 10 | 12,941 | 12,957 | 25,898 |
| | Urban | 22,259 | ... | 1 | 417 | 323 | 740 |
| 18 | Amherst District | 417,910 | 59 | 11 | 19,951 | 18,976 | 38,927 |
| | Rural | 350,022 | ... | 8 | 16,007 | 16,925 | 32,932 |
| | Urban | 67,888 | ... | 3 | 3,944 | 2,051 | 5,995 |
| 19 | Tavoy District | 156,786 | 30 | 6 | 3,328 | 3,539 | 6,867 |
| | Rural | 129,306 | ... | 4 | 2,805 | 3,090 | 5,895 |
| | Urban | 27,480 | ... | 2 | 523 | 449 | 972 |
| 20 | Mérgui District | 135,465 | 14 | 5 | 4,128 | 3,563 | 7,691 |
| | Rural | 117,057 | ... | 4 | 3,188 | 2,688 | 5,876 |
| | Urban | 18,408 | ... | 1 | 940 | 875 | 1,815 |
| 21 | Toungoo District | 381,883 | 62 | 13 | 11,321 | 9,820 | 21,141 |
| | Rural | 380,117 | ... | 10 | 10,349 | 9,057 | 19,406 |
| | Urban | 31,766 | ... | 3 | 972 | 763 | 1,735 |
| MAGWE DIVISION. | | | | | | | |
| 22 | Thayetmyo District | 255,406 | 54 | 8 | 6,272 | 5,286 | 11,558 |
| | Rural | 233,419 | ... | 6 | 5,204 | 4,874 | 10,078 |
| | Urban | 21,987 | ... | 2 | 1,068 | 412 | 1,480 |
| 23 | Minbu District | 274,302 | 83 | 7 | 5,142 | 5,567 | 10,709 |
| | Rural | 262,065 | ... | 5 | 4,980 | 5,368 | 10,348 |
| | Urban | 12,237 | ... | 2 | 162 | 199 | 361 |

* Secondary
† Work done by

DEPARTMENT.

Province of Burma during the year 1926-27—contd.

| Average number of persons vaccinated by each vaccinator. | Primary Vaccination. | | | | | No. |
|--|----------------------|-----------------|--------------------------|--------------------|----------|-----|
| | Total. | Successful. | | | Unknown. | |
| | | Under one year. | One and under six years. | Total of all ages. | | |
| (7) | (8) | (9) | (10) | (11) | (12) | (1) |
| 2,044 | 27,360 | 8,653 | 15,216 | 26,494 | 718 | 12 |
| 2,226 | 25,729 | 7,588 | 14,786 | 24,951 | 638 | |
| 953 | 1,631 | 1,065 | 430 | 1,543 | 80 | |
| 2,040 | 23,491 | 3,929 | 12,214 | 22,764 | 536 | 13 |
| 2,411 | 22,389 | 3,687 | 11,723 | 21,703 | 512 | |
| 555 | 1,102 | 242 | 491 | 1,061 | 24 | |
| 2,346 | 19,262 | 4,547 | 12,105 | 18,746 | 390 | 14 |
| 2,955 | 18,392 | 4,026 | 11,833 | 17,894 | 373 | |
| 723 | 870 | 521 | 272 | 852 | 17 | |
| 2,099 | *15,671 | 4,302 | 10,194 | 15,523 | 64 | 15 |
| 2,354 | *13,977 | 3,793 | 9,304 | 13,872 | 44 | |
| 1,078 | *1,694 | 509 | 890 | 1,651 | 20 | |
| 3,124 | 4,722 | 266 | 1,450 | 4,081 | 375 | 16 |
| 2,422 | 19,282 | 4,628 | 8,345 | 17,355 | 1,297 | 17 |
| 2,590 | 18,711 | 4,167 | 8,262 | 16,788 | 1,297 | |
| 740 | 571 | 461 | 83 | 567 | --- | |
| 3,539 | †16,679 | 3,932 | 6,536 | 15,684 | 681 | 18 |
| 4,117 | 14,874 | 2,415 | 6,494 | 14,097 | 574 | |
| 1,997 | †1,805 | 1,517 | 42 | 1,587 | 107 | |
| 1,145 | *6,173 | 2,921 | 2,324 | 5,449 | 108 | 19 |
| 1,474 | *5,246 | 2,091 | 2,312 | 4,604 | 108 | |
| 486 | 927 | 830 | 12 | 845 | --- | |
| 1,538 | 5,791 | 1,361 | 2,200 | 4,761 | 598 | 20 |
| 1,469 | 4,234 | 478 | 1,811 | 3,489 | 423 | |
| 1,815 | 1,557 | 883 | 389 | 1,272 | 175 | |
| 1,626 | 13,542 | 2,225 | 6,587 | 12,915 | 318 | 21 |
| 1,941 | 12,454 | 1,760 | 6,100 | 11,857 | 315 | |
| 578 | 1,088 | 465 | 487 | 1,058 | 3 | |
| 1,445 | 9,190 | 2,481 | 5,664 | 8,814 | 148 | 22 |
| 1,680 | 8,388 | 2,020 | 5,539 | 8,086 | 132 | |
| 740 | 802 | 461 | 125 | 728 | 16 | |
| 1,530 | *10,831 | 3,724 | 5,692 | 9,671 | 418 | 23 |
| 2,070 | *10,496 | 3,531 | 5,598 | 9,378 | 418 | |
| 181 | *335 | 193 | 94 | 293 | --- | |

operations included.
other agencies included.

A.—VACCINATION

STATEMENT NO. I—Showing the particulars of Vaccination in the

| No. | Divisions and Districts. | Re-vaccination. | | | Percentage of successful cases in which the results were known. | | Persons successfully vaccinated per 1,000 of population. |
|-----------------------------|--------------------------|-----------------|-------------|----------|---|-----------------|--|
| | | Total. | Successful. | Unknown. | Primary. | Re-vaccination. | |
| (1) | (2) | (13) | (14) | (15) | (16) | (17) | (18) |
| IRRAWADDY DIVISION—concl'd. | | | | | | | |
| 12 | Henzada District ... | 1,251 | 228 | 359 | 99.44 | 25.56 | 48.50 |
| | Rural ... | 977 | 182 | 260 | 99.44 | 25.38 | 49.05 |
| | Urban ... | 274 | 46 | 99 | 99.48 | 26.29 | 41.26 |
| 13 | Myaungmya District ... | 7,105 | 2,188 | 1,583 | 99.17 | 39.62 | 67.34 |
| | Rural ... | 6,542 | 2,058 | 1,383 | 99.20 | 39.89 | 67.95 |
| | Urban ... | 563 | 130 | 200 | 98.42 | 35.81 | 57.14 |
| 14 | Ma-ubin District ... | 6,547 | 943 | 278 | 99.33 | 15.04 | 59.65 |
| | Rural ... | 5,249 | 760 | 187 | 99.31 | 15.01 | 60.97 |
| | Urban ... | 1,298 | 183 | 91 | 99.88 | 15.16 | 42.83 |
| 15 | Pyapôn District ... | 5,349 | 811 | 548 | 99.46 | 16.89 | 56.52 |
| | Rural ... | 4,873 | 743 | 514 | 99.56 | 17.04 | 53.71 |
| | Urban ... | 476 | 68 | 34 | 98.62 | 15.38 | 101.82 |
| TENASSERIM DIVISION. | | | | | | | |
| 16 | Salween District ... | 1,525 | 482 | 151 | 93.88 | 35.08 | 90.57 |
| 17 | Thatôn District ... | 7,356 | 1,537 | 1,315 | 96.50 | 25.44 | 40.10 |
| | Rural ... | 7,187 | 1,484 | 1,261 | 96.41 | 25.04 | 40.71 |
| | Urban ... | 169 | 53 | 54 | 99.30 | 46.08 | 27.85 |
| 18 | Amherst District ... | 22,248 | 4,604 | 2,061 | 98.04 | 22.81 | 48.55 |
| | Rural ... | 18,058 | 3,018 | 1,526 | 98.58 | 18.26 | 48.90 |
| | Urban ... | 4,190 | 1,586 | 535 | 93.46 | 43.39 | 46.74 |
| 19 | Tavoy District ... | 757 | 235 | 118 | 89.84 | 36.78 | 36.25 |
| | Rural ... | 712 | 219 | 118 | 89.61 | 36.87 | 37.30 |
| | Urban ... | 45 | 16 | ... | 91.15 | 35.56 | 31.33 |
| 20 | Mergui District ... | 1,900 | 157 | 578 | 91.68 | 11.88 | 36.30 |
| | Rural ... | 1,642 | 138 | 367 | 91.55 | 10.82 | 30.98 |
| | Urban ... | 258 | 19 | 211 | 92.04 | 40.43 | 70.13 |
| 21 | Toungoo District ... | 7,599 | 1,509 | 835 | 97.66 | 22.31 | 37.77 |
| | Rural ... | 6,952 | 1,323 | 818 | 97.68 | 21.57 | 34.67 |
| | Urban ... | 647 | 186 | 17 | 97.51 | 29.52 | 39.16 |
| MAGWE DIVISION. | | | | | | | |
| 22 | Thayetmyo District ... | 2,368 | 1,054 | 76 | 97.48 | 45.99 | 38.64 |
| | Rural ... | 1,690 | 537 | 36 | 97.94 | 32.47 | 36.94 |
| | Urban ... | 678 | 517 | 40 | 92.62 | 81.03 | 56.62 |
| 23 | Minbu District ... | 357 | 206 | 19 | 92.87 | 60.94 | 36.01 |
| | Rural ... | 307 | 196 | 18 | 93.05 | 67.82 | 36.53 |
| | Urban ... | 50 | 10 | 1 | 87.46 | 20.41 | 24.76 |

* Secondary

DEPARTMENT.

Province of Burma during the year 1926-27—contd.

| Percentage of unknown cases to total cases. | | Average annual number of persons successfully vaccinated during previous five years. | | Average annual number of deaths from small-pox during previous five years. | | No. |
|---|-----------------|--|------------------|--|------------------|-----|
| Primary. | Re-vaccination. | Number. | Ratio per 1,000. | Number. | Ratio per 1,000. | |
| (19) | (20) | (21) | (22) | (23) | (24) | (1) |
| 2·62 | 28·70 | 28,222 | 51·23 | 59 | ·11 | 12 |
| 2·48 | 26·61 | ... | ... | ... | ... | |
| 4·90 | 35·77 | ... | ... | ... | ... | |
| 2·28 | 22·28 | 22,266 | 60·09 | 44 | ·12 | 13 |
| 2·29 | 21·14 | ... | ... | ... | ... | |
| 2·18 | 35·52 | ... | ... | ... | ... | |
| 2·02 | 4·25 | 21,692 | 65·71 | 60 | ·18 | 14 |
| 2·02 | 3·56 | ... | ... | ... | ... | |
| 1·95 | 7·01 | ... | ... | ... | ... | |
| ·41 | 10·24 | 19,049 | 65·91 | 54 | ·19 | 15 |
| ·31 | 10·55 | ... | ... | ... | ... | |
| 1·18 | 7·14 | ... | ... | ... | ... | |
| 7·92 | 9·90 | 3,021 | 59·97 | ... | ... | 16 |
| 6·73 | 17·88 | 19,546 | 41·49 | 81 | ·17 | 17 |
| 6·93 | 17·55 | ... | ... | ... | ... | |
| ... | 31·95 | ... | ... | ... | ... | |
| 4·08 | 9·26 | 19,788 | 47·35 | 25 | ·06 | 18 |
| 3·86 | 8·45 | ... | ... | ... | ... | |
| 5·93 | 12·77 | ... | ... | ... | ... | |
| 1·75 | 15·59 | 7,144 | 45·56 | 1 | ·01 | 19 |
| 2·06 | 16·57 | ... | ... | ... | ... | |
| ... | ... | ... | ... | ... | ... | |
| 10·33 | 30·42 | 5,135 | 37·91 | 12 | ·09 | 20 |
| 9·99 | 22·35 | ... | ... | ... | ... | |
| 11·24 | 81·78 | ... | ... | ... | ... | |
| 2·35 | 10·98 | 14,797 | 38·75 | 26 | ·07 | 21 |
| 2·54 | 11·77 | ... | ... | ... | ... | |
| ·28 | 2·63 | ... | ... | ... | ... | |
| 1·61 | 3·21 | 10,897 | 42·67 | 76 | ·30 | 22 |
| 1·57 | 2·13 | ... | ... | ... | ... | |
| 2·00 | 5·90 | ... | ... | ... | ... | |
| 3·86 | 5·32 | 11,614 | 42·34 | 166 | ·60 | 23 |
| 3·99 | 5·86 | ... | ... | ... | ... | |
| ... | 2·00 | ... | ... | ... | ... | |

operations included.

A.—VACCINATION

STATEMENT NO. I—Showing the particulars of Vaccination in the

| No. | Divisions and Districts. | Population of districts according to Census of 1921. | Average population per square mile. | Average number of vaccinators employed throughout the year. | Total number of persons vaccinated. | | |
|-----------------------|--------------------------|--|-------------------------------------|---|-------------------------------------|----------|--------|
| | | | | | (1) | (2) | (3) |
| (1) | (2) | (3) | (4) | (5) | (6) | | |
| | | | | | Males. | Females. | Total. |
| MAGWE DIVISION—concd. | | | | | | | |
| 24 | Magwe District ... | 423,252 | 115 | 9 | 11,481 | 8,126 | 19,607 |
| | Rural ... | 399,612 | ... | 6 | 10,760 | 7,382 | 18,142 |
| | Urban ... | 23,640 | ... | 3 | 721 | 744 | 1,465 |
| 25 | Pakòkku District ... | 465,771 | 75 | 9 | 10,399 | 10,381 | 20,780 |
| | Rural ... | 446,264 | ... | 8 | 9,844 | 10,165 | 20,009 |
| | Urban ... | 19,507 | ... | 1 | 555 | 216 | 771 |
| 26 | Chin Hills District ... | 110,079 | 14 | 3 | 2,400 | 1,829 | 4,229 |
| 27 | Pakòkku Hill Tracts ... | 20,043 | 6 | 1 | 603 | 267 | 870 |
| MANDALAY DIVISION. | | | | | | | |
| 28 | Mandalay District ... | 356,621 | 166 | 11 | 9,914 | 9,764 | 19,678 |
| | Rural ... | 187,707 | ... | 5 | 3,217 | 3,833 | 7,050 |
| | Urban ... | 168,914 | ... | 6 | 6,697 | 5,931 | 12,628 |
| 29 | Kyaukse District ... | 142,677 | 111 | 5 | 4,343 | 4,733 | 9,076 |
| | Rural ... | 136,570 | ... | 4 | 4,146 | 4,491 | 8,637 |
| | Urban ... | 6,107 | ... | 1 | 197 | 242 | 439 |
| 30 | Meiktila District ... | 289,897 | 127 | 6 | 5,720 | 6,167 | 11,887 |
| | Rural ... | 281,029 | ... | 5 | 5,371 | 5,947 | 11,318 |
| | Urban ... | 8,868 | ... | 1 | 349 | 220 | 569 |
| 31 | Myingyan District ... | 442,008 | 161 | 9 | 12,202 | 10,092 | 22,294 |
| | Rural ... | 415,983 | ... | 7 | 11,737 | 9,729 | 21,466 |
| | Urban ... | 26,025 | ... | 2 | 465 | 363 | 828 |
| 32 | Yamèthin District ... | 323,189 | 77 | 7 | 8,098 | 9,313 | 17,411 |
| | Rural ... | 294,730 | ... | 5 | 7,067 | 8,340 | 15,407 |
| | Urban ... | 28,459 | ... | 2 | 1,031 | 973 | 2,004 |
| SAGAING DIVISION. | | | | | | | |
| 33 | Bhamo District ... | 112,960 | 16 | 4 | 2,139 | 1,861 | 4,000 |
| | Rural ... | 105,219 | ... | 3 | 1,895 | 1,771 | 3,666 |
| | Urban ... | 7,741 | ... | 1 | 244 | 90 | 334 |
| 34 | Myitkyina District ... | 146,074 | 13 | 2 | 2,049 | 1,592 | 3,641 |
| | Rural ... | 141,118 | ... | 2 | 1,730 | 1,405 | 3,135 |
| | Urban ... | 4,956 | ... | ... | 319 | 187 | 506 |
| 35 | Shwebo District ... | 391,284 | 68 | 10 | 9,688 | 10,410 | 20,098 |
| | Rural ... | 377,937 | ... | 9 | 9,400 | 10,101 | 19,501 |
| | Urban ... | 13,347 | ... | 1 | 288 | 309 | 597 |

° Secondary
† Work done by

DEPARTMENT.

Province of Burma during the year 1926-27—contd.

| Average number of persons vaccinated by each vaccinator. | Primary Vaccination. | | | | | No. |
|--|----------------------|-----------------|--------------------------|--------------------|----------|-----|
| | Total. | Successful. | | | Unknown. | |
| | | Under one year. | One and under six years. | Total of all ages. | | |
| | | | | | | |
| 2,179 | *13,374 | 6,777 | 5,637 | 13,195 | 92 | 24 |
| 3,024 | *12,505 | 6,252 | 5,311 | 12,339 | 85 | |
| 488 | 869 | 525 | 326 | 856 | 7 | |
| 2,309 | 13,578 | 5,458 | 5,532 | 11,290 | 716 | 25 |
| 2,501 | 13,252 | 5,239 | 5,475 | 10,990 | 696 | |
| 771 | 326 | 219 | 57 | 300 | 20 | 26 |
| 1,410 | *3,879 | 69 | 1,227 | 2,512 | 1,171 | |
| 870 | 714 | 7 | 251 | 692 | 5 | |
| 1,789 | *13,566 | 7,466 | 3,729 | 11,601 | 382 | 28 |
| 1,410 | 5,130 | 1,697 | 2,662 | 4,598 | 367 | |
| 2,105 | *8,436 | 5,769 | 1,067 | 7,003 | 15 | 29 |
| 1,815 | *4,831 | 2,511 | 1,811 | 4,454 | 298 | |
| 2,159 | *4,610 | 2,364 | 1,748 | 4,236 | 295 | |
| 439 | 221 | 147 | 63 | 218 | 3 | 30 |
| 1,981 | 8,728 | 1,752 | 3,986 | 6,183 | 2,065 | |
| 2,264 | 8,344 | 1,502 | 3,879 | 5,818 | 2,054 | |
| 569 | 384 | 250 | 107 | 365 | 11 | 31 |
| 2,477 | 13,458 | 6,242 | 4,417 | 12,307 | 718 | |
| 3,067 | 12,946 | 5,936 | 4,329 | 11,903 | 686 | |
| 414 | 512 | 306 | 88 | 404 | 32 | 32 |
| 2,487 | 13,450 | 4,734 | 4,785 | 11,423 | 1,241 | |
| 3,081 | 11,990 | 3,997 | 4,305 | 10,154 | 1,127 | |
| 1,002 | 1,460 | 737 | 480 | 1,269 | 114 | |
| 1,000 | 3,443 | 806 | 1,366 | 3,014 | 285 | 33 |
| 1,222 | 3,277 | 705 | 1,343 | 2,878 | 281 | |
| 334 | 166 | 101 | 23 | 136 | 4 | |
| 1,821 | *†2,244 | 199 | 998 | 2,082 | 135 | 34 |
| 1,567 | *†2,005 | 153 | 897 | 1,869 | 118 | |
| ... | 239 | 46 | 101 | 213 | 17 | 35 |
| 2,010 | 13,030 | 2,971 | 7,366 | 11,020 | 1,122 | |
| 2,167 | 12,520 | 2,628 | 7,230 | 10,537 | 1,110 | |
| 597 | 510 | 343 | 136 | 483 | 12 | |

operations included.
other agencies included.

A.—VACCINATION

STATEMENT NO. I—Showing the particulars of Vaccination in the

| No. | Divisions and Districts. | Re-vaccination. | | | Percentage of successful cases in which the results were known. | | Persons successfully vaccinated per 1,000 of population. |
|-------------------------|--------------------------|-----------------|-------------|----------|---|-----------------|--|
| | | Total. | Successful. | Unknown. | Primary. | Re-vaccination. | |
| (1) | (2) | (13) | (14) | (15) | (16) | (17) | (18) |
| MAGWE DIVISION—concl'd. | | | | | | | |
| 24 | Magwe District ... | 6,242 | 1,522 | 2,376 | 99·34 | 39·37 | 34·77 |
| | Rural ... | 5,646 | 1,175 | 2,309 | 99·35 | 35·21 | 33·82 |
| | Urban ... | 596 | 347 | 67 | 99·30 | 65·60 | 50·89 |
| 25 | Pakökku District ... | 7,202 | 470 | 1,347 | 87·78 | 8·03 | 25·25 |
| | Rural ... | 6,757 | 439 | 1,234 | 87·52 | 7·95 | 25·61 |
| | Urban ... | 445 | 31 | 113 | 98·04 | 9·34 | 16·96 |
| 26 | Chin Hills District ... | 350 | 135 | 162 | 92·76 | 71·81 | 24·05 |
| 27 | Pakökku Hill Tracts ... | 156 | 68 | 38 | 97·60 | 57·63 | 37·91 |
| MANDALAY DIVISION. | | | | | | | |
| 28 | Mandalay District ... | 6,808 | 2,119 | 240 | 87·99 | 32·26 | 38·47 |
| | Rural ... | 1,920 | 777 | 235 | 96·54 | 46·11 | 28·64 |
| | Urban ... | 4,888 | 1,342 | 5 | 83·16 | 27·48 | 49·40 |
| 29 | Kyaukse District ... | *4,365 | 2,180 | 706 | 98·26 | 59·58 | 46·50 |
| | Rural ... | *4,147 | 2,103 | 650 | 98·17 | 60·14 | 46·42 |
| | Urban ... | 218 | 77 | 56 | 100·00 | 47·53 | 48·32 |
| 30 | Meiktila District ... | 3,159 | 858 | 1,265 | 92·80 | 45·30 | 24·29 |
| | Rural ... | 2,974 | 741 | 1,223 | 92·50 | 42·32 | 23·30 |
| | Urban ... | 185 | 117 | 42 | 97·86 | 81·82 | 54·35 |
| 31 | Myingyan District ... | 8,836 | 2,443 | 1,358 | 96·60 | 32·67 | 33·37 |
| | Rural ... | 8,520 | 2,380 | 1,284 | 97·09 | 32·89 | 34·34 |
| | Urban ... | 316 | 63 | 74 | 84·17 | 26·03 | 17·94 |
| 32 | Yamèthin District ... | 3,961 | 952 | 919 | 93·56 | 31·30 | 38·29 |
| | Rural ... | 3,417 | 809 | 750 | 93·47 | 30·33 | 37·19 |
| | Urban ... | 544 | 143 | 169 | 94·28 | 38·13 | 49·62 |
| SAGAING DIVISION. | | | | | | | |
| 33 | Bhamo District ... | 557 | 252 | 94 | 95·44 | 54·42 | 28·91 |
| | Rural ... | 389 | 159 | 55 | 96·06 | 47·60 | 28·86 |
| | Urban ... | 168 | 93 | 39 | 83·95 | 72·09 | 29·58 |
| 34 | Myitkyina District ... | 1,401 | 911 | 125 | 98·72 | 71·39 | 20·49 |
| | Rural ... | 1,134 | 712 | 79 | 99·05 | 67·49 | 18·29 |
| | Urban ... | 267 | 199 | 46 | 95·95 | 90·05 | 83·13 |
| 35 | Shwebo District ... | 7,068 | 2,989 | 1,201 | 92·54 | 50·95 | 35·80 |
| | Rural ... | 6,981 | 2,953 | 1,199 | 92·35 | 51·07 | 35·69 |
| | Urban ... | 87 | 36 | 2 | 96·99 | 42·35 | 38·88 |

* Secondary

DEPARTMENT.

Province of Burma during the year 1926-27—contd.

| Percentage of unknown cases to total cases. | | Average annual number of persons successfully vaccinated during previous five years. | | Average annual number of deaths from small-pox during previous five years. | | No. |
|---|-----------------|--|------------------|--|------------------|-----|
| Primary. | Re-vaccination. | Number. | Ratio per 1,000. | Number. | Ratio per 1,000. | |
| (19) | (20) | (21) | (22) | (23) | (24) | (1) |
| | | | 198 198 | | | |
| | | | 198 198 | | | |
| | | | 851 851 | | | |
| | | | 198 | | | |
| '69 | 38'06 | 18,092 | 42'75 | 163 | '38 | 24 |
| '68 | 40'90 | ... | ... | ... | ... | |
| '81 | 11'24 | ... | ... | ... | ... | |
| 5'27 | 18'70 | 16,041 | 33'86 | 90 | '19 | 25 |
| 5'25 | 18'26 | ... | ... | ... | ... | |
| 6'13 | 25'39 | ... | ... | ... | ... | |
| 30'19 | 46'29 | 2,854 | 25'93 | ... | ... | 26 |
| '70 | 24'36 | ... | ... | ... | ... | 27 |
| 2'82 | 3'53 | 19,453 | 54'55 | 144 | '40 | 28 |
| 7'15 | 12'24 | ... | ... | ... | ... | |
| '18 | '10 | ... | ... | ... | ... | |
| 6'17 | 16'17 | 7,724 | 54'13 | 14 | '10 | 29 |
| 6'40 | 15'68 | ... | ... | ... | ... | |
| 1'36 | 25'69 | ... | ... | ... | ... | |
| 23'66 | 40'04 | 9,376 | 32'34 | 70 | '24 | 30 |
| 24'62 | 41'12 | ... | ... | ... | ... | |
| 2'86 | 22'70 | ... | ... | ... | ... | |
| 5'34 | 15'37 | 16,609 | 37'58 | 206 | '47 | 31 |
| 5'30 | 15'07 | ... | ... | ... | ... | |
| 6'25 | 23'42 | ... | ... | ... | ... | |
| 9'23 | 23'20 | 13,851 | 42'86 | 41 | '12 | 32 |
| 9'40 | 21'95 | ... | ... | ... | ... | |
| 7'81 | 31'07 | ... | ... | ... | ... | |
| 8'28 | 16'88 | 4,314 | 38'19 | ... | ... | 33 |
| 8'57 | 14'14 | ... | ... | ... | ... | |
| 2'41 | 23'21 | ... | ... | ... | ... | |
| 6'02 | 8'92 | 2,105 | 15'25 | ... | ... | 34 |
| 5'89 | 6'97 | ... | ... | ... | ... | |
| 7'11 | 17'23 | ... | ... | ... | ... | |
| 8'61 | 16'99 | 16,303 | 41'66 | 48 | '13 | 35 |
| 8'87 | 17'18 | ... | ... | ... | ... | |
| 2'35 | 2'30 | ... | ... | ... | ... | |

operations included.

A.—VACCINATION

STATEMENT No. I—Showing the particulars of Vaccination in the

| No. | Divisions and Districts. | Population of districts according to Census of 1921. | Average population per square mile. | Average number of vaccinators employed throughout the year. | Total number of persons vaccinated. | | |
|---------------------------|-----------------------------|--|-------------------------------------|---|-------------------------------------|---------|---------|
| (1) | (2) | (3) | (4) | (5) | (6) | | |
| SAGAING DIVISION—concl'd. | | | | | | | |
| 36 | Sagaing District | 326,908 | 180 | 7 | 11,872 | 14,157 | 26,029 |
| | Rural | 315,050 | ... | 6 | 11,538 | 13,758 | 25,296 |
| | Urban | 11,858 | ... | 1 | 334 | 399 | 733 |
| 37 | Katha District | 233,706 | 30 | 6 | 6,754 | 6,732 | 13,486 |
| 38 | Upper Chindwin District ... | 179,245 | 11 | 6 | 6,033 | 5,907 | 11,940 |
| 39 | Lower Chindwin District ... | 342,880 | 99 | 6 | 6,817 | 6,999 | 13,816 |
| | Rural | 333,655 | ... | 5 | 6,404 | 6,825 | 13,229 |
| | Urban | 9,225 | ... | 1 | 413 | 174 | 587 |
| FEDERATED SHAN STATES. | | | | | | | |
| 40 | Northern Shan States | 559,223 | 28 | 19 | 10,499 | 10,228 | 20,727 |
| | Rural | 555,775 | ... | 19 | 9,519 | 9,808 | 19,327 |
| | Urban | 3,448 | ... | ... | 980 | 420 | 1,400 |
| 41 | Southern Shan States | 911,468 | 23 | 21 | 14,367 | 12,662 | 27,029 |
| Total for 1926-27 | | 13,169,099 | 56 | 377 | 376,161 | 342,918 | 719,079 |
| Rural | | 11,912,411 | ... | 289 | 310,246 | 310,227 | 620,473 |
| Urban | | 1,256,688 | ... | 88 | 65,915 | 32,691 | 98,606 |

* Secondary
† Work done by

DEPARTMENT.

Province of Burma during the year 1926-27—contd.

| Average number of persons vaccinated by each vaccinator. | Primary Vaccination. | | | | | No. |
|--|----------------------|-----------------|--------------------------|--------------------|----------|-----|
| | Total. | Successful. | | | Unknown. | |
| | | Under one year. | One and under six years. | Total of all ages. | | |
| (7) | (8) | (9) | (10) | (11) | (12) | (1) |
| 3,718 | *15,877 | 7,038 | 8,048 | 15,332 | 334 | 36 |
| 4,216 | *15,466 | 6,755 | 7,921 | 14,921 | 334 | |
| 733 | 411 | 283 | 127 | 411 | ... | |
| 2,248 | *11,439 | 1,593 | 5,442 | 10,600 | 339 | 37 |
| 1,964 | †7,680 | 1,294 | 3,691 | 7,092 | 75 | 38 |
| 2,303 | *10,734 | 7,116 | 2,684 | 10,406 | 3 | 39 |
| 2,646 | *10,512 | 6,920 | 2,662 | 10,184 | 3 | |
| 578 | 222 | 196 | 22 | 222 | ... | |
| 1,091 | 18,485 | 2,170 | 10,197 | 17,810 | 172 | 40 |
| 1,017 | 18,200 | 2,107 | 10,070 | 17,587 | 159 | |
| ... | 285 | 63 | 127 | 223 | 13 | |
| 1,287 | 24,950 | 930 | 10,911 | 24,109 | 407 | 41 |
| 1,906 | * † 511,750 | 142,552 | 244,546 | 472,368 | 22,924 | |
| 2,146 | * † 464,728 | 113,595 | 233,125 | 429,543 | 21,124 | |
| 1,115 | * † 47,022 | 28,957 | 11,421 | 42,825 | 1,800 | |

operations included.
other agencies included.

A.—VACCINATION

STATEMENT NO. I—Showing the particulars of Vaccination in the

| No. | Divisions and Districts. | Re-vaccination. | | | Percentage of successful cases in which the results were known. | | Persons successfully vaccinated per 1,000 of population. |
|-----|-----------------------------|------------------------|-------------|----------|---|-----------------|--|
| | | Total. | Successful. | Unknown. | Primary. | Re-vaccination. | |
| (1) | (2) | (13) | (14) | (15) | (16) | (17) | (18) |
| | SAGAING DIVISION—concl'd. | | | | | | |
| 36 | Sagaing District ... | 10,187 | 4,592 | 2,169 | 98·64 | 57·27 | 60·95 |
| | Rural ... | 9,865 | 4,357 | 2,169 | 98·61 | 56·61 | 61·19 |
| | Urban ... | 322 | 235 | ... | 100·00 | 72·98 | 54·48 |
| 37 | Katha District ... | 2,055 | 401 | 126 | 95·50 | 20·79 | 47·07 |
| 38 | Upper Chindwin District ... | † 4,260 | 2,544 | 136 | 93·26 | 61·69 | 53·76 |
| 39 | Lower Chindwin District ... | 3,110 | 2,262 | 11 | 96·97 | 72·99 | 39·95 |
| | Rural ... | 2,745 | 2,044 | ... | 96·91 | 74·46 | 36·65 |
| | Urban ... | 365 | 218 | 11 | 100·00 | 61·58 | 47·70 |
| | FEDERATED SHAN STATES. | | | | | | |
| 40 | Northern Shan States ... | 2,242 | 1,470 | 142 | 97·25 | 70·00 | 34·48 |
| | Rural ... | 1,127 | 999 | 28 | 97·48 | 90·90 | 33·44 |
| | Urban ... | 1,115 | 471 | 114 | 81·98 | 47·05 | 201·25 |
| 41 | Southern Shan States ... | 2,079 | 480 | 79 | 98·23 | 24·00 | 26·98 |
| | Total for 1925-26 ... | † 208,801 ^o | 61,531 | 37,711 | 96·63 | 35·97 | 40·54 |
| | Rural ... | † 156,482 ^o | 44,422 | 25,870 | 96·83 | 34·01 | 39·79 |
| | Urban ... | † 52,319 ^o | 17,109 | 11,841 | 94·70 | 42·27 | 47·69 |

^o Secondary

† Work done by

DEPARTMENT.

Province of Burma during the year 1926-27—concl'd.

| Percentage of unknown cases to total cases. | | Average annual number of persons successfully vaccinated during previous five years. | | Average annual number of deaths from small-pox during previous five years. | | No. |
|---|----------------|--|------------------|--|------------------|-----|
| Primary. | Re-vaccination | Number. | Ratio per 1,000. | Number. | Ratio per 1,000. | |
| (19) | (20) | (21) | (22) | (23) | (24) | (1) |
| 2'10 | 21'29 | 21,955 | 67'16 | 112 | '34 | 36 |
| 2'16 | 21'98 | ... | ... | ... | ... | |
| ... | ... | ... | ... | ... | ... | |
| 2'96 | 6'13 | 10,251 | 42'41 | ... | ... | 37 |
| '98 | 3'19 | 11,353 | 63'34 | ... | ... | 38 |
| '03 | '35 | 18,020 | 52'55 | 46 | '13 | 39 |
| '03 | ... | ... | ... | ... | ... | |
| ... | 3'01 | ... | ... | ... | ... | |
| '93 | 6'33 | 19,819 | 35'48 | ... | ... | 40 |
| '87 | 2'48 | ... | ... | ... | ... | |
| 4'48 | 10'22 | ... | ... | ... | ... | |
| 1'63 | 3'80 | 24,822 | 27'23 | ... | ... | 41 |
| 4'48 | 18'09 | 585,415 | 44'45 | 2,325 | '22 | |
| 4'55 | 16'53 | ... | ... | ... | ... | |
| 3'83 | 22'63 | ... | ... | ... | ... | |

operations included.
other agencies included.

| (1) | Total number of persons vaccinated. | | Total number of operations performed. | | Percentage of successful cases in which results were known. | |
|-------------------------------------|-------------------------------------|------------------------|---------------------------------------|------------------------|---|------------------------|
| | Primary. (2) | Re-vaccination. (3) | Primary. (4) | Re-vaccination. (5) | Primary. (6) | Re-vaccination. (7) |
| By Special Staff (Statement I) ... | 510,058 | 208,405 | 511,470 | 208,465 | 96.63 | 35.92 |
| By Dispensary Staff (Statement III) | 3,574 | 1,576 | 3,609 | 1,576 | 77.59 | 45.06 |
| By other agencies, if any ... | 280 | 336 | 280 | 336 | 94.05 | 59.49 |
| Total ... | 513,912 | 210,317 | 515,359 | 210,377 | 96.54 | 36.00 |

MARY.

| Average number of persons vaccinated by each vaccinator. | | Number of children successfully vaccinated. | | Ratio of successful vaccination per 1,000 population. | Total cost of Department. | Average cost of each successful case. |
|--|--|---|-------------------------------|---|----------------------------|---------------------------------------|
| Vaccinators employed. | Persons vaccinated by each vaccinator. | Under one year. | One year and under six years. | | | |
| (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 377 | 1,906 | 142,378 | 244,490 | 40·51 | Rs. A. P. 3,86,245 10 1 | Rs. A. P. 0 11 7 |
| ... | ... | 210 | 948 | '17 | ... | ... |
| ... | ... | 174 | 56 | '03 | ... | ... |
| 377 | 1,906 | 142,762 | 245,494 | 40·71 | ... | ... |

A.—VACCINATION.

STATEMENT NO. II—Showing the cost of the Department in the

| No. | Divisions and Districts. | District Health Officers. | Ex | | |
|----------------------|--------------------------------|---------------------------|------|---------------------------|------------|
| | | | Pay. | Inspector of vaccination. | Pay. |
| (1) | (2) | (3) | (4) | | (6) |
| | | | Rs. | A. | P. |
| ARAKAN DIVISION. | | | | | |
| 1 | Akyab | ... | ... | 2 | 852 8 0 |
| 2 | Hill District of Arakan | ... | ... | ... | ... |
| 3 | Kyaukpyu | ... | ... | 1 | 891 1 0 |
| 4 | Sandoway | ... | ... | 1 | 924 10 0 |
| PEGU DIVISION. | | | | | |
| 5 | Rangoon | ... | ... | 1 | ... |
| 6 | Pegu | ... | ... | 2 | 1,830 0 0 |
| 7 | Tharrawaddy | ... | ... | 6 | 1,474 14 9 |
| 8 | Hanthawaddy | ... | ... | 4 | 3,677 8 0 |
| 9 | Insein | ... | ... | 4 | 5,812 2 11 |
| 10 | Prome | ... | ... | 2 | ... |
| IRRAWADDY DIVISION. | | | | | |
| 11 | Bassein | ... | ... | 3 | 2,070 0 0 |
| 12 | Henzada | ... | ... | 4 | 1,987 5 6 |
| 13 | Myaungmya | ... | ... | 5 | 2,202 6 0 |
| 14 | Ma-ubin | ... | ... | 4 | 2,305 0 0 |
| 15 | Pyapôn | ... | ... | 4 | 2,050 11 0 |
| TENASSERIM DIVISION. | | | | | |
| 16 | Salween | ... | ... | ... | ... |
| 17 | Thatôn | ... | ... | 2 | 2,190 0 0 |
| 18 | Amherst | ... | ... | 4 | 2,635 11 6 |
| 19 | Tavoy | ... | ... | 1 | 1,394 0 0 |
| 20 | Mergui | ... | ... | 1 | 1,760 0 0 |
| 21 | Toungoo | ... | ... | 4 | 2,400 7 0 |
| MAGWE DIVISION. | | | | | |
| 22 | Thayetmyo | ... | ... | 2 | 1,552 8 0 |
| 23 | Minbu | ... | ... | 2 | ... |
| 24 | Magwe | ... | ... | 4 | 1,289 0 0 |
| 25 | Pakôkku | ... | ... | 1 | 1,414 12 0 |
| 26 | Chin Hills | ... | ... | ... | ... |
| 27 | Pakôkku Hill Tracts | ... | ... | ... | ... |

* No share of pay of the 2 Female Registrar-Vaccinators and 21 Assistant Registrar-Vaccinators of Rangoon was paid by.

† Includes 10 Partime Vaccinators—Vaccinators who draw Rs. 15 each per mensem as Vaccination.

DEPARTMENT.

Province of Burma during the year 1926-27. (Paragraph 16.)

penditure.

| Vaccinators. | Pay. | | | Clerks. | Pay. | | | Peons, etc. | Pay. | | | Total pay of establishment. | | | Travelling allowance. | | | No. |
|--------------|-------|-----|----|---------|------|------|-----|-------------|------|------|-----|-----------------------------|------|----|-----------------------|------|----|-----|
| | (7) | (8) | | | (9) | (10) | | | (11) | (12) | | | (13) | | | (14) | | |
| | Rs. | A. | P. | | Rs. | A. | P. | | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | |
| 12 | 4,809 | 1 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 5,661 | 9 | 0 | 4,065 | 9 | 0 | 1 |
| 3 | 1,480 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 1,480 | 0 | 0 | 654 | 13 | 0 | 2 |
| 6 | 2,599 | 7 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 3,490 | 8 | 0 | 1,911 | 7 | 0 | 3 |
| 4 | 1,528 | 4 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 2,452 | 14 | 0 | 1,182 | 2 | 6 | 4 |
| * 22 | 2,886 | 8 | 0 | ... | ... | ... | 2 | 493 | 12 | 0 | ... | 3,380 | 4 | 0 | 238 | 4 | 6 | 5 |
| 8 | 5,220 | 7 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 7,050 | 7 | 0 | 3,925 | 0 | 0 | 6 |
| 12 | 4,722 | 9 | 8 | ... | ... | ... | ... | ... | ... | ... | ... | 6,197 | 8 | 5 | 3,735 | 14 | 6 | 7 |
| † 19 | 5,616 | 6 | 10 | ... | ... | ... | ... | ... | ... | ... | ... | 9,293 | 14 | 10 | 6,936 | 11 | 0 | 8 |
| 8 | 5,187 | 4 | 11 | ... | ... | ... | ... | ... | ... | ... | ... | 10,999 | 7 | 10 | 5,963 | 8 | 0 | 9 |
| 13 | 6,124 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 6,124 | 0 | 0 | 2,826 | 4 | 0 | 10 |
| 16 | 6,794 | 1 | 8 | ... | ... | ... | ... | ... | ... | ... | ... | 8,864 | 1 | 8 | 4,408 | 3 | 6 | 11 |
| 14 | 6,823 | 9 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 8,810 | 14 | 6 | 4,693 | 2 | 9 | 12 |
| 15 | 6,691 | 8 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 8,893 | 14 | 0 | 5,075 | 8 | 0 | 13 |
| 11 | 4,762 | 2 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 7,067 | 2 | 0 | 3,358 | 1 | 0 | 14 |
| 10 | 4,210 | 13 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 6,261 | 8 | 0 | 4,435 | 7 | 0 | 15 |
| 2 | 1,164 | 9 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 1,164 | 9 | 0 | 774 | 5 | 0 | 16 |
| 11 | 5,803 | 3 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 7,993 | 3 | 0 | 4,610 | 1 | 6 | 17 |
| 11 | 5,290 | 6 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 7,926 | 1 | 6 | 3,987 | 13 | 6 | 18 |
| 6 | 2,766 | 5 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 4,160 | 5 | 0 | 3,057 | 5 | 0 | 19 |
| 5 | 2,789 | 2 | 4 | ... | ... | ... | ... | ... | ... | ... | ... | 4,549 | 2 | 4 | 1,983 | 10 | 0 | 20 |
| 13 | 5,782 | 8 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 8,182 | 15 | 0 | 3,959 | 2 | 0 | 21 |
| 8 | 3,731 | 8 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 5,284 | 0 | 0 | 2,518 | 5 | 0 | 22 |
| 7 | 2,832 | 1 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 2,832 | 1 | 0 | 822 | 1 | 0 | 23 |
| 9 | 4,571 | 4 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 5,860 | 4 | 0 | 2,441 | 5 | 0 | 24 |
| 9 | 4,114 | 3 | 6 | ... | ... | ... | ... | ... | ... | ... | ... | 5,528 | 15 | 6 | 3,213 | 4 | 0 | 25 |
| 3 | 1,736 | 10 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 1,736 | 10 | 0 | 776 | 8 | 0 | 26 |
| 1 | 515 | 1 | 0 | ... | ... | ... | 1 | 270 | 0 | 0 | ... | 785 | 1 | 0 | 383 | 12 | 0 | 27 |

Corporation have been included in the cost. Out of 22 only 1 Vaccinator employed in Rangoon Cantonment Government allowances.

A.—VACCINATION

STATEMENT NO. II—Showing the cost of the Department

| No. | Divisions and Districts. | District Health Officers. | Ex | | |
|------------------------|--|---------------------------|-----------|---------------------------|------------|
| | | | Pay. | Inspector of vaccination. | Pay. |
| (1) | (2) | (3) | (4) | (5) | (6) |
| | | | Rs. A. P. | | Rs. A. P. |
| MANDALAY DIVISION. | | | | | |
| 28 | Mandalay | ... | ... | 1 | 1,236 0 0 |
| 29 | Kyaukse | ... | ... | 1 | 930 0 0 |
| 30 | Meiktila | ... | ... | 1 | ... |
| 31 | Myingyan | ... | ... | 3 | 1,162 3 0 |
| 32 | Yamethin | ... | ... | 1 | 1,919 13 0 |
| SAGAING DIVISION. | | | | | |
| 33 | Bhamo | ... | ... | ... | ... |
| 34 | Myitkyina | ... | ... | ... | ... |
| 35 | Shwebo | ... | ... | 2 | 1,702 6 9 |
| 36 | Sagaing | ... | ... | 1 | 1,054 13 0 |
| 37 | Katha | ... | ... | 2 | 2,862 0 0 |
| 38 | Upper Chindwin | ... | ... | 1 | 1,614 11 0 |
| 39 | Lower Chindwin | ... | ... | 1 | 1,380 0 0 |
| FEDERATED SHAN STATES. | | | | | |
| 40 | Northern Shan States | ... | ... | ... | ... |
| 41 | Southern Shan States | ... | ... | 2 | 2,650 0 0 |
| OTHERS. | | | | | |
| 42 | Meiktila Vaccine Depot | (a) 2 | 3,780 0 0 | ... | ... |
| 43 | Office of Director of Public Health, Burma. | ... | ... | ... | ... |
| TOTAL | | 2 | 3,780 0 0 | (b) 80 | 57,226 8 5 |

(a) One Director and one Assistant Director and one Medical Practitioner.

(b) This includes 27 Sub-Assistant Surgeons who are receiving Vaccination allowance, or who have been 1 Head Vaccinator, and

DEPARTMENT.

in the Province of Burma during the year 1926-27—contd.

penditure.

| Vaccinators. | Pay. | | | Clerks. | Pay. | | | Peons, etc. | Pay. | | | Total pay of establishment. | | | Travelling allowance. | | | No. |
|--------------|----------|-----|-----|---------|-------|-----|-----|-------------|-------|-----|-------|-----------------------------|-----|-------|-----------------------|-----|-----|------|
| (7) | (8) | | | (9) | (10) | | | (11) | (12) | | | (13) | | | (14) | | | (15) |
| | Rs. | A. | P. | | Rs. | A. | P. | | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | |
| 11 | 6,857 | 11 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 8,093 | 11 | 0 | 1,558 | 1 | 0 | 28 |
| 5 | 2,206 | 10 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 3,136 | 10 | 0 | 1,663 | 5 | 0 | 29 |
| 6 | 2,268 | 8 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 2,268 | 8 | 0 | 1,080 | 10 | 0 | 30 |
| 9 | 3,832 | 6 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 4,994 | 9 | 0 | 1,800 | 7 | 0 | 31 |
| 7 | 3,941 | 3 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 5,861 | 0 | 0 | 2,553 | 14 | 0 | 32 |
| 4 | 1,995 | 11 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 1,995 | 11 | 0 | 454 | 2 | 0 | 33 |
| 2 | 1,370 | 4 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 1,370 | 4 | 0 | 497 | 5 | 0 | 34 |
| 10 | 5,057 | 1 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 6,759 | 7 | 9 | 2,708 | 2 | 0 | 35 |
| 7 | 3,462 | 7 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 4,517 | 4 | 0 | 2,344 | 10 | 0 | 36 |
| 6 | 3,495 | 3 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 6,357 | 3 | 0 | 2,106 | 12 | 0 | 37 |
| 6 | 3,645 | 12 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | 5,260 | 7 | 0 | 2,784 | 3 | 0 | 38 |
| 6 | 2,936 | 15 | 0 | ... | ... | ... | 2 | 144 | 0 | 0 | 4,460 | 15 | 0 | 2,195 | 10 | 0 | 39 | |
| 19 | 7,212 | 9 | 0 | ... | ... | ... | 1 | 93 | 8 | 0 | 7,306 | 1 | 0 | 3,622 | 12 | 0 | 40 | |
| 21 | 8,927 | 3 | 0 | 1 | 978 | 8 | 0 | 7 | 2,184 | 11 | 0 | 14,740 | 6 | 0 | 7,386 | 8 | 0 | 41 |
| ... | ... | ... | ... | 2 | 1,598 | 5 | 0 | 10 | 2,415 | 7 | 0 | 7,793 | 12 | 0 | 527 | 12 | 0 | 42 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 43 |
| 377 | 1,67,762 | 5 | 11 | 3 | 2,576 | 13 | 0 | 23 | 5,601 | 6 | 0 | 2,36,947 | 1 | 4 | 1,15,221 | 8 | 9 | |

appointed as whole-time officers for supervising vaccination and vital statistics work, 42 Inspectors of Vaccination
9 Public Health Inspectors.

A.—VACCINATION

STATEMENT NO. II—Showing the cost of the Department

| No. | Divisions and Districts. | Expenditure. | | | | | | | | | | | | |
|----------------------|--------------------------|----------------|-------|------|-------------|--------|----|------------------------------------|-------|-----|-------------------|-----|-----|-----|
| | | Contingencies. | | | Total cost. | | | Deputy Commissioner's Local Funds. | | | Provincial Funds. | | | |
| | | (15) | (16) | (17) | (18) | | | | | | | | | |
| (1) | (2) | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | |
| ARAKAN DIVISION. | | | | | | | | | | | | | | |
| 1 | Akyab | ... | 103 | 0 | 0 | 9,830 | 2 | 0 | ... | ... | ... | ... | ... | ... |
| 2 | Hill District of Arakan | ... | ... | ... | ... | 2,134 | 13 | 0 | 2,134 | 13 | 0 | ... | ... | ... |
| 3 | Kyaukpyu | ... | ... | ... | ... | 5,401 | 15 | 0 | 5,191 | 15 | 0 | ... | ... | ... |
| 4 | Sandoway | ... | 72 | 2 | 0 | 3,707 | 2 | 6 | 3,377 | 2 | 6 | ... | ... | ... |
| PEGU DIVISION. | | | | | | | | | | | | | | |
| 5 | Rangoon | ... | 5,760 | 9 | 3 | 9,379 | 1 | 9 | ... | ... | 840 | 0 | 0 | ... |
| 6 | Pegu | ... | ... | ... | ... | 10,975 | 7 | 0 | ... | ... | ... | ... | ... | ... |
| 7 | Tharrawaddy | ... | 89 | 15 | 0 | 10,023 | 5 | 11 | ... | ... | ... | ... | ... | ... |
| 8 | Hanthawaddy | ... | 2,157 | 2 | 6 | 18,387 | 12 | 4 | ... | ... | ... | ... | ... | ... |
| 9 | Insein | ... | 144 | 7 | 6 | 17,107 | 7 | 4 | ... | ... | ... | ... | ... | ... |
| 10 | Prome | ... | ... | ... | ... | 8,950 | 4 | 0 | ... | ... | ... | ... | ... | ... |
| IRRAWADDY DIVISION. | | | | | | | | | | | | | | |
| 11 | Bassein | ... | 325 | 5 | 0 | 13,597 | 10 | 2 | 1,994 | 0 | 0 | ... | ... | ... |
| 12 | Henzada | ... | 245 | 6 | 0 | 13,749 | 7 | 3 | ... | ... | ... | ... | ... | ... |
| 13 | Myaungmya | ... | 314 | 6 | 0 | 14,283 | 12 | 0 | ... | ... | ... | ... | ... | ... |
| 14 | Ma-ubin | ... | ... | ... | ... | 10,425 | 3 | 0 | ... | ... | ... | ... | ... | ... |
| 15 | Pyapón | ... | ... | ... | ... | 10,696 | 15 | 0 | ... | ... | ... | ... | ... | ... |
| TENASSERIM DIVISION. | | | | | | | | | | | | | | |
| 16 | Salween | ... | ... | ... | ... | 1,938 | 14 | 0 | 1,938 | 14 | 0 | ... | ... | ... |
| 17 | Thatôn | ... | ... | ... | ... | 12,603 | 4 | 6 | ... | ... | ... | ... | ... | ... |
| 18 | Amherst | ... | 50 | 6 | 0 | 11,964 | 5 | 0 | 2,406 | 0 | 6 | ... | ... | ... |
| 19 | Tavoy | ... | 74 | 0 | 0 | 7,291 | 10 | 0 | ... | ... | ... | ... | ... | ... |
| 20 | Mergui | ... | 28 | 0 | 0 | 6,560 | 12 | 4 | 647 | 8 | 0 | ... | ... | ... |
| 21 | Toungoo | ... | 106 | 9 | 0 | 12,248 | 10 | 0 | ... | ... | ... | ... | ... | ... |
| MAGWE DIVISION. | | | | | | | | | | | | | | |
| 22 | Thayetmyo | ... | 80 | 0 | 0 | 7,882 | 5 | 0 | ... | ... | ... | ... | ... | ... |
| 23 | Minbu | ... | ... | ... | ... | 3,654 | 2 | 0 | 1,347 | 8 | 0 | ... | ... | ... |
| 24 | Magwe | ... | ... | ... | ... | 8,301 | 9 | 0 | ... | ... | ... | ... | ... | ... |
| 25 | Pakòkku | ... | 19 | 8 | 0 | 8,761 | 11 | 6 | 1,834 | 14 | 0 | ... | ... | ... |
| 26 | Chin Hills | ... | ... | ... | ... | 2,513 | 2 | 0 | ... | ... | 2,513 | 2 | 0 | ... |
| 27 | Pakòkku Hill Tracts | ... | ... | ... | ... | 1,168 | 13 | 0 | ... | ... | 1,168 | 13 | 0 | ... |

* The average cost in column 24 is calculated on the total number of successful

DEPARTMENT.

in the Province of Burma during the year 1926-27—contd.

| Paid from | | | | Number of all successful vaccinations and re-vaccinations by special staff only. | Average cost of each successful case.* | No. |
|-------------------------|-----------------|------------------|-------------|--|--|-----|
| District Council Funds. | Municipalities. | Federated Funds. | Total. | | | |
| (19) | (20) | (21) | (22) | | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | (1) | |
| 8,948 1 0 | 882 1 0 | ... | 9,830 2 0 | 17,912 | 0 8 9 | 1 |
| ... | ... | ... | 2,134 13 0 | 1,246 | 1 11 5 | 2 |
| ... | 210 0 0 | ... | 5,401 15 0 | 7,960 | 0 10 10 | 3 |
| ... | 330 0 0 | ... | 3,707 2 6 | 4,284 | 0 13 10 | 4 |
| ... | 8,539 1 9 | ... | 9,379 1 9 | 16,779 | 0 8 11 | 5 |
| 9,610 7 0 | 1,365 0 0 | ... | 10,975 7 0 | 14,113 | 0 12 5 | 6 |
| 7,845 15 11 | 2,177 6 0 | ... | 10,023 5 11 | 21,767 | 0 7 4 | 7 |
| 17,606 6 10 | 781 5 6 | ... | 18,387 12 4 | 16,431 | 1 1 11 | 8 |
| 13,916 13 4 | 3,190 10 0 | ... | 17,107 7 4 | 11,539 | 1 7 8 | 9 |
| 7,018 4 0 | 1,932 0 0 | ... | 8,950 4 0 | 23,930 | 0 6 0 | 10 |
| 8,795 13 6 | 2,807 12 8 | ... | 13,597 10 2 | 19,667 | 0 11 1 | 11 |
| 12,622 15 3 | 1,126 8 0 | ... | 13,749 7 3 | 26,722 | 0 8 3 | 12 |
| 12,765 12 0 | 1,518 0 0 | ... | 14,283 12 0 | 24,952 | 0 9 2 | 13 |
| 8,992 3 0 | 1,433 0 0 | ... | 10,425 3 0 | 19,689 | 0 8 6 | 14 |
| 9,574 15 0 | 1,122 0 0 | ... | 10,696 15 0 | 16,334 | 0 10 6 | 15 |
| ... | ... | ... | 1,938 14 0 | 4,563 | 0 6 10 | 16 |
| 11,783 5 6 | 819 15 0 | ... | 12,603 4 6 | 18,892 | 0 10 8 | 17 |
| 5,873 5 6 | 3,684 15 0 | ... | 11,964 5 0 | 20,286 | 0 9 5 | 18 |
| 6,178 13 0 | 1,112 13 0 | ... | 7,291 10 0 | 5,684 | 1 4 6 | 19 |
| 5,223 2 0 | 690 2 4 | ... | 6,560 12 4 | 4,918 | 1 5 4 | 20 |
| 10,516 1 0 | 1,732 9 0 | ... | 12,248 10 0 | 14,424 | 0 13 7 | 21 |
| 6,898 5 0 | 984 0 0 | ... | 7,882 5 0 | 9,868 | 0 12 9 | 22 |
| 1,569 6 0 | 637 4 0 | ... | 3,654 2 0 | 9,877 | 0 5 11 | 23 |
| 6,117 9 0 | 2,184 0 0 | ... | 8,301 9 0 | 14,717 | 0 9 0 | 24 |
| 6,294 10 0 | 632 3 6 | ... | 8,761 11 6 | 11,760 | 0 11 11 | 25 |
| ... | ... | ... | 2,513 2 0 | 2,647 | 0 15 2 | 26 |
| ... | ... | ... | 1,168 13 0 | 760 | 1 8 7 | 27 |

vaccinations and re-vaccinations performed by special staff only.

A.—VACCINATION

STATEMENT No. II—Showing the cost of the Department

| No. | Divisions and Districts. | Expenditure. | | | | | | | | | | | |
|------------------------|---|----------------|-----|-----|-------------|----|----|------------------------------------|-----|-----|-------------------|-----|-----|
| | | Contingencies. | | | Total cost. | | | Deputy Commissioner's Local Funds. | | | Provincial Funds. | | |
| (1) | (2) | (15) | | | (16) | | | (17) | | | (18) | | |
| | | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. |
| MANDALAY DIVISION. | | | | | | | | | | | | | |
| 28 | Mandalay ... | 78 | 8 | 0 | 9,730 | 4 | 0 | ... | ... | ... | 642 | 0 | 0 |
| 29 | Kyaukse ... | 83 | 6 | 0 | 4,883 | 5 | 0 | ... | ... | ... | ... | ... | ... |
| 30 | Meiktila ... | 73 | 7 | 0 | 3,422 | 9 | 0 | ... | ... | ... | ... | ... | ... |
| 31 | Myingyan ... | ... | ... | ... | 6,795 | 0 | 0 | ... | ... | ... | ... | ... | ... |
| 32 | Yaméthin ... | 80 | 6 | 0 | 8,495 | 4 | 0 | ... | ... | ... | ... | ... | ... |
| SAGAING DIVISION. | | | | | | | | | | | | | |
| 33 | Bhamo ... | ... | ... | ... | 2,449 | 13 | 0 | 1,974 | 13 | 0 | ... | ... | ... |
| 34 | Myitkyina ... | ... | ... | ... | 1,867 | 9 | 0 | 1,867 | 9 | 0 | ... | ... | ... |
| 35 | Shwebo ... | 41 | 2 | 0 | 9,508 | 11 | 9 | ... | ... | ... | ... | ... | ... |
| 36 | Sagaing ... | ... | ... | ... | 6,861 | 14 | 0 | ... | ... | ... | ... | ... | ... |
| 37 | Katha ... | ... | ... | ... | 8,463 | 15 | 0 | 8,463 | 15 | 0 | ... | ... | ... |
| 38 | Upper Chindwin ... | 104 | 4 | 0 | 8,148 | 14 | 0 | 8,148 | 14 | 0 | ... | ... | ... |
| 39 | Lower Chindwin ... | 49 | 9 | 0 | 6,706 | 2 | 0 | ... | ... | ... | ... | ... | ... |
| FEDERATED SHAN STATES. | | | | | | | | | | | | | |
| 40 | Northern Shan States ... | 118 | 11 | 0 | 11,047 | 8 | 0 | ... | ... | ... | ... | ... | ... |
| 41 | Southern Shan States ... | 266 | 8 | 0 | 22,393 | 6 | 0 | ... | ... | ... | ... | ... | ... |
| OTHERS. | | | | | | | | | | | | | |
| 42 | Meiktila Vaccine Depot ... | 23,420 | 8 | 9 | 31,742 | 0 | 9 | ... | ... | ... | 31,742 | 0 | 9 |
| 43 | Office of Director of Public Health, Burma. | 189 | 14 | 0 | 189 | 14 | 0 | ... | ... | ... | 189 | 14 | 0 |
| TOTAL ... | | 34,077 | 0 | 0 | 3,86,245 | 10 | 1 | 41,327 | 14 | 0 | 37,095 | 13 | 9 |

* The average cost in column 24 is calculated on the total number of successful

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in the Province of Burma during the year 1926-27—concl'd.

| Paid from | | | | Number of all successful vaccinations and re-vaccinations by special staff only. | Average cost of each successful case.* | No. |
|-------------------------|-----------------|------------------|---------------|--|--|------|
| District Council Funds. | Municipalities. | Federated Funds. | Total. | | | |
| (19) | (20) | (21) | (22) | | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | Rs. A. P. | (23) |
| 4,973 4 0 | 4,115 0 0 | ... | 9,730 4 0 | 13,720 | 0 11 4 | 28 |
| 4,495 5 0 | 388 0 0 | ... | 4,883 5 0 | 6,634 | 0 11 9 | 29 |
| 2,907 4 0 | 515 5 0 | ... | 3,422 9 0 | 7,041 | 0 7 9 | 30 |
| 5,715 0 0 | 1,080 0 0 | ... | 6,795 0 0 | 14,750 | 0 7 4 | 31 |
| 6,980 4 0 | 1,515 0 0 | ... | 8,495 4 0 | 12,375 | 0 11 0 | 32 |
| ... | 475 0 0 | ... | 2,449 13 0 | 3,266 | 0 12 0 | 33 |
| ... | ... | ... | 1,867 9 0 | 2,982 | 0 10 0 | 34 |
| 8,932 11 9 | 576 0 0 | ... | 9,508 11 9 | 14,009 | 0 10 10 | 35 |
| 6,417 14 0 | 444 0 0 | ... | 6,861 14 0 | 19,924 | 0 5 6 | 36 |
| ... | ... | ... | 8,463 15 0 | 11,001 | 0 12 4 | 37 |
| ... | ... | ... | 8,148 14 0 | 9,498 | 0 13 9 | 38 |
| 6,183 15 0 | 522 3 0 | ... | 6,706 2 0 | 12,668 | 0 8 6 | 39 |
| ... | ... | 11,047 8 0 | 11,047 8 0 | 19,280 | 0 9 2 | 40 |
| ... | ... | 22,393 6 0 | 22,393 6 0 | 24,589 | 0 14 7 | 41 |
| ... | ... | ... | 31,742 0 9 | ... | ... | 42 |
| ... | ... | ... | 189 14 0 | ... | ... | 43 |
| 2,24,857 13 7 | 49,523 2 9 | 33,440 14 0 | 3,86,245 10 1 | 5,33,458 | 0 11 7 | |

vaccinations and re-vaccinations performed by special staff only.

B.—DISPENSARY

STATEMENT NO. III—Showing *Dispensary Vaccination*

| No. | Divisions and Districts. | Number of dispensaries in each district to which a vaccinator is attached. | Average number of vaccinators attached to dispensaries during the year. | Total number of persons vaccinated. | Average number of persons vaccinated by each vaccinator. | Primary | | |
|------------------------|--------------------------|--|---|-------------------------------------|--|---------|-----------------|--------------------------|
| | | | | | | Total. | Success | |
| | | | | | | | Under One year. | One and under six years. |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| MAGWE DIVISION. | | | | | | | | |
| 22 | Thayetmyo ... | ... | ... | ... | ... | ... | ... | ... |
| 23 | Minbu ... | ... | ... | ... | ... | ... | ... | ... |
| 24 | Magwe ... | ... | ... | 22 | ... | ... | ... | ... |
| 25 | Pakôkku ... | ... | ... | ... | ... | ... | ... | ... |
| 26 | Chin Hills ... | ... | ... | 22 | ... | 19 | ... | ... |
| 27 | Pakôkku Hill Tracts | ... | ... | 27 | ... | 27 | 2 | 16 |
| MANDALAY DIVISION. | | | | | | | | |
| 28 | Mandalay ... | ... | ... | 199 | ... | 99 | 11 | 14 |
| 29 | Kyauksè ... | ... | ... | 123 | ... | 19 | 3 | 8 |
| 30 | Meiktila ... | ... | ... | 146 | ... | 20 | ... | ... |
| 31 | Myingyan ... | ... | ... | ... | ... | ... | ... | ... |
| 32 | Yamèthin ... | ... | ... | ... | ... | ... | ... | ... |
| SAGAING DIVISION. | | | | | | | | |
| 33 | Bhamo ... | ... | ... | 347 | ... | 311 | 3 | 111 |
| 34 | Myitkyina ... | ... | ... | 3,086 | ... | * 2,778 | 113 | 628 |
| 35 | Shwebo ... | ... | ... | ... | ... | ... | ... | ... |
| 36 | Sagaing ... | ... | ... | ... | ... | ... | ... | ... |
| 37 | Katha ... | ... | ... | ... | ... | ... | ... | ... |
| 38 | Upper Chindwin ... | ... | ... | 125 | ... | 64 | 20 | 31 |
| 39 | Lower Chindwin ... | ... | ... | ... | ... | ... | ... | ... |
| FEDERATED SHAN STATES. | | | | | | | | |
| 40 | Northern Shan States | ... | ... | 50 | ... | 30 | 8 | 13 |
| 41 | Southern Shan States | ... | ... | 101 | ... | 47 | 5 | 34 |
| Total ... | | ... | ... | 5,150 | ... | * 3,609 | 210 | 948 |

* Secondary opera

VACCINATION.

in the Province of Burma for the year 1926-27—concl'd.

| Vaccination. | | Re-vaccination. | | | Percentage of successful cases in which the results were known. | | Percentage of unknown cases to total cases. | | No. |
|--------------------|----------|-----------------|-------------|----------|---|-----------------|---|-----------------|-----|
| Total of all ages. | Unknown. | Total. | Successful. | Unknown. | Primary. | Re-vaccination. | Primary. | Re-vaccination. | |
| (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (1) |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 23 |
| ... | ... | 22 | ... | 22 | ... | ... | ... | 100'00 | 24 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 25 |
| ... | 19 | 3 | ... | 3 | ... | ... | 100'00 | 100'00 | 26 |
| 18 | ... | ... | ... | ... | 66'67 | ... | ... | ... | 27 |
| 97 | ... | 100 | 42 | ... | 97'98 | 42'00 | ... | ... | 28 |
| 12 | ... | 104 | 29 | ... | 63'16 | 27'88 | ... | ... | 29 |
| 16 | ... | 126 | 54 | 5 | 80'00 | 44'63 | ... | 3'97 | 30 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 31 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 32 |
| 177 | 129 | 36 | 6 | 30 | 97'25 | 100'00 | 41'48 | 83'33 | 33 |
| 1,292 | 972 | 343 | 127 | 51 | 71'54 | 43'49 | 34'99 | 14'87 | 34 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 35 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 36 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 37 |
| 53 | 6 | 61 | 36 | 8 | 91'38 | 67'92 | 9'38 | 13'11 | 38 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 39 |
| 24 | 6 | 20 | 7 | ... | 100'00 | 35'00 | 20'00 | ... | 40 |
| 40 | 7 | 54 | 12 | 38 | 100'00 | 75'00 | 14'89 | 70'37 | 41 |
| 1,890 | 1,173 | 1,576 | 333 | 837 | 77'59 | 45'06 | 32'50 | 53'11 | |

tions included.

COMPARATIVE STATEMENT NO. IV—*Showing the number of persons vaccinated in the Province of Burma in*

| Establishments. | Persons prima | | | | | | | | | |
|-------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|
| | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. |
| | 1917-18. | | 1918-19. | | 1919-20. | | 1920-21. | | 1921-22. | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | |
| Government. | 155,824 | 143,536 | 146,541 | 138,337 | 179,204 | 162,448 | 165,491 | 152,910 | 174,549 | 160,011 |
| Municipal | 33,500 | 30,953 | 37,290 | 35,269 | 38,604 | 35,973 | 35,519 | 33,224 | 40,478 | 38,460 |
| Local Funds. | 227,468 | 212,064 | 231,214 | 216,462 | 257,218 | 239,580 | 272,949 | 256,940 | 262,388 | 247,532 |
| Federated States. | 11,186 | 7,153 | 7,854 | 7,349 | 9,177 | 5,045 | 7,280 | 5,155 | 10,234 | 8,695 |
| Dispensary | 1,523 | 1,307 | 2,063 | 1,764 | 7,220 | 4,781 | 2,016 | 1,565 | 3,601 | 3,068 |
| Other Agencies | 705 | 402 | 304 | 303 | 398 | 371 | 267 | 217 | 3,589 | 3,285 |
| ARMY. | | | | | | | | | | |
| Europeans | 12 | 11 | 24 | 23 | 28 | 24 | 58 | 46 | 11 | 9 |
| Natives | 415 | 346 | 482 | 431 | 67 | 27 | 1,342 | 463 | 9 | 9 |
| Total | 430,633 | 395,772 | 425,772 | 399,938 | 491,916 | 448,249 | 484,922 | 450,520 | 494,859 | 461,069 |

primarily vaccinated and the number of those persons who were successfully each of the undermentioned official years.

| rily vaccinated. | | | | | | | | | | Establishments. |
|------------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|-------------------|
| Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | |
| 1922-23. | | 1923-24. | | 1924-25. | | 1925-26. | | 1926-27. | | |
| (7) | | (8) | | (9) | | (10) | | (11) | | (12) |
| 196,950 | 180,625 | 180,459 | 168,357 | 6,806 | 4,997 | 5,673 | 3,850 | 5,141 | 3,745 | Government. |
| 41,884 | 39,932 | 41,977 | 39,974 | 49,378 | 47,231 | 45,781 | 43,895 | 45,208 | 41,841 | Municipal. |
| 270,396 | 256,235 | 274,439 | 261,999 | 424,954 | 402,000 | 436,679 | 411,970 | 419,711 | 387,665 | Local Funds. |
| 10,643 | 10,559 | 45,671 | 43,552 | 48,476 | 44,673 | 67,872 | 64,245 | 39,998 | 38,864 | Federated States. |
| 2,883 | 2,178 | 4,534 | 3,673 | 6,116 | 5,175 | 3,759 | 2,789 | 3,574 | 1,890 | Dispensary. |
| 1,007 | 857 | 974 | 695 | 537 | 523 | 287 | 260 | 280 | 253 | Other Agencies. |
| 123 | 95 | 15 | 13 | 34 | 32 | 32 | 27 | 22 | 20 | Euro peans. |
| 888 | 791 | 281 | 207 | 426 | 419 | 738 | 707 | 293 | 274 | Natives. |
| 524,774 | 491,272 | 548,350 | 518,470 | 536,727 | 505,050 | 560,821 | 527,743 | 514,227 | 474,552 | Total. |

STATEMENT NO. V—Showing particulars of Vaccination verified

| No. | Districts. | Total number of persons vaccinated. | | Total number inspected | | | |
|-----|-----------------------------|-------------------------------------|------------------|---|------------------|--|------------------|
| | | Primary. | Re-vaccinations. | By Assistant Director of Public Health or Civil Surgeons. | | By Inspectors of Vaccination or other Inspecting Officers. | |
| | | | | Primary. | Re-vaccinations. | Primary. | Re-vaccinations. |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 1 | Akyab ... | 17,261 | 3,525 | 1,808 | ... | 11,501 | 3,212 |
| 2 | Hill District of Arakan ... | 1,145 | 614 | 27 | 5 | 267 | 276 |
| 3 | Kyaukpyu ... | 8,443 | 1,491 | 1,109 | 249 | 3,558 | 658 |
| 4 | Sandoway ... | 4,871 | 1,371 | 1,610 | 412 | 2,908 | 855 |
| 5 | Rangoon ... | 10,415 | 25,301 | 774 | 560 | 8,783 | 17,294 |
| 6 | Pegu ... | 13,690 | 5,659 | 1,601 | 229 | 11,898 | 3,443 |
| 7 | Tharrawaddy ... | 19,429 | 7,938 | 514 | 312 | 14,863 | 4,413 |
| 8 | Hanthawaddy ... | 16,543 | 6,179 | 1,009 | 297 | 9,711 | 1,612 |
| 9 | Insein ... | 11,987 | 3,441 | 126 | 16 | 7,078 | 1,485 |
| 10 | Prome ... | 22,113 | 8,771 | 2,894 | 621 | 10,720 | 658 |
| 11 | Bassein ... | 20,509 | 6,796 | 670 | 88 | 10,023 | 2,995 |
| 12 | Henzada ... | 27,376 | 1,251 | 264 | ... | 12,414 | 109 |
| 13 | Myaungmya ... | 23,491 | 7,105 | 537 | 48 | 12,134 | 2,926 |
| 14 | Ma-ubin ... | 19,270 | 6,565 | 392 | 109 | 16,742 | 4,710 |
| 15 | Pyapôn ... | 15,641 | 5,349 | 3,385 | 905 | 13,742 | 3,534 |
| 16 | Salween ... | 4,722 | 1,525 | 119 | 56 | 240 | 119 |
| 17 | Thatôn ... | 19,282 | 7,356 | 536 | 240 | 8,982 | 3,488 |
| 18 | Amherst ... | 16,740 | 22,252 | 689 | 1,005 | 5,572 | 9,929 |
| 19 | Tavoy ... | 6,110 | 757 | 1,994 | 70 | 4,953 | 374 |
| 20 | Mergui ... | 5,791 | 1,900 | 1,189 | 327 | 3,706 | 1,055 |
| 21 | Toungoo ... | 13,542 | 7,599 | 280 | ... | 7,981 | 4,283 |
| 22 | Thayetmyo ... | 9,190 | 2,368 | ... | ... | 6,047 | 1,990 |
| 23 | Minbu ... | 10,352 | 357 | 539 | ... | 1,072 | 26 |
| 24 | Magwe ... | 13,365 | 6,264 | 436 | 105 | 6,540 | 998 |
| 25 | Pakôkku ... | 13,578 | 7,202 | 831 | 69 | 5,507 | 3,152 |
| 26 | Chin Hills ... | 3,898 | 353 | 1,476 | 2 | ... | ... |
| 27 | Pakôkku Hill Tracts ... | 741 | 156 | ... | ... | ... | ... |
| 28 | Mandalay ... | 12,969 | 6,908 | 1,886 | 288 | 4,847 | 715 |
| 29 | Kyaukse ... | 4,790 | 4,409 | 560 | 218 | 3,581 | 3,505 |
| 30 | Meiktila ... | 8,748 | 3,285 | 2,969 | 635 | 5,658 | 1,073 |
| 31 | Myingyan ... | 13,458 | 8,836 | 3,137 | 1,646 | 9,282 | 7,296 |
| 32 | Yaméthin ... | 13,450 | 3,961 | 515 | 221 | 7,307 | 2,411 |
| 33 | Bhamo ... | 3,754 | 593 | 234 | 63 | ... | ... |
| 34 | Myitkyina ... | 4,983 | 1,744 | 52 | 32 | ... | ... |
| 35 | Shwebo ... | 13,030 | 7,068 | ... | ... | 363 | 1,058 |
| 36 | Sagaing ... | 15,842 | 10,187 | 871 | 334 | 8,862 | 3,445 |
| 37 | Katha ... | 11,431 | 2,055 | 686 | 99 | 4,715 | 1,078 |
| 38 | Upper Chindwin ... | 7,744 | 4,321 | 4,441 | 3,322 | 7,179 | 4,080 |
| 39 | Lower Chindwin ... | 10,706 | 3,110 | 1,107 | 958 | 6,803 | 1,867 |
| 40 | Northern Shan States ... | 18,515 | 2,262 | 3,217 | 1,912 | 24 | 20 |
| 41 | Southern Shan States ... | 24,997 | 2,133 | 724 | ... | 15,659 | 634 |
| | TOTAL ... | 513,912 | 210,317 | 45,208 | 15,453 | 271,222 | 100,776 |

by Inspecting Officers during the year 1926-27 (Paragraph 15).

| Percentage of inspections to total number vaccinated | | | | Percentage of cases found successful of total number inspected | | | | Percentage of success reported by vaccinators. | | No. |
|---|------------------|--|------------------|--|------------------|--|------------------|--|------------------|----------|
| By Assistant Director of Public Health or Civil Surgeons. | | By Inspectors of Vaccination or other Inspecting Officers. | | By Assistant Director of Public Health or Civil Surgeons. | | By Inspectors of Vaccination or other Inspecting Officers. | | Primary. | Re-vaccinations. | |
| Primary. | Re-vaccinations. | Primary. | Re-vaccinations. | Primary. | Re-vaccinations. | Primary. | Re-vaccinations. | | | Primary. |
| (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (1) |
| 10'47 | ... | 66'63 | 91'12 | 89'71 | ... | 91'00 | 14'51 | 98'02 | 40'59 | 1 |
| 2'35 | '81 | 23'32 | 44'95 | 85'18 | 20'00 | 83'52 | 40'58 | 89'52 | 35'99 | 2 |
| 13'14 | 16'72 | 42'14 | 44'13 | 94'23 | 21'28 | 79'34 | 23'71 | 93'44 | 43'86 | 3 |
| 33'05 | 30'05 | 59'70 | 62'36 | 93'60 | 25'96 | 89'27 | 15'08 | 90'94 | 16'77 | 4 |
| 7'43 | 2'21 | 84'33 | 68'35 | 97'42 | 29'46 | 98'50 | 43'36 | 99'01 | 44'55 | 5 |
| 11'69 | 4'05 | 86'91 | 60'84 | 99'00 | 45'85 | 99'49 | 24'28 | 99'26 | 27'35 | 6 |
| 2'65 | 3'93 | 76'50 | 55'59 | 98'44 | 31'41 | 99'91 | 42'87 | 99'97 | 51'50 | 7 |
| 6'10 | 4'81 | 58'70 | 26'09 | 75'82 | 7'07 | 9'72 | 15'94 | 92'54 | 34'74 | 8 |
| 1'05 | '46 | 59'05 | 43'16 | 80'16 | ... | 95'14 | 12'73 | 96'49 | 17'79 | 9 |
| 13'09 | 7'08 | 48'48 | 7'50 | 99'17 | 43'96 | 99'25 | 36'32 | 99'46 | 28'34 | 10 |
| 3'27 | 1'29 | 48'87 | 44'07 | 83'43 | 82'95 | 96'27 | 45'28 | 98'20 | 59'44 | 11 |
| '96 | ... | 45'35 | 8'71 | 100'00 | ... | 99'90 | 33'02 | 99'44 | 25'56 | 12 |
| 2'29 | '68 | 51'65 | 41'18 | 87'71 | 35'42 | 98'61 | 37'08 | 99'17 | 39'62 | 13 |
| 2'03 | 1'66 | 86'88 | 71'74 | 97'19 | 8'16 | 99'77 | 15'86 | 99'33 | 15'04 | 14 |
| 21'64 | 16'92 | 87'86 | 66'07 | 100'00 | 26'96 | 99'62 | 20'51 | 99'46 | 16'89 | 15 |
| 2'52 | 3'67 | 5'08 | 7'80 | 86'55 | 21'42 | 93'33 | 25'21 | 93'88 | 35'08 | 16 |
| 2'78 | 3'26 | 46'58 | 47'42 | 98'51 | 63'75 | 94'48 | 24'89 | 96'50 | 25'44 | 17 |
| 4'12 | 4'52 | 33'29 | 44'62 | 94'34 | 27'56 | 95'87 | 14'47 | 98'04 | 22'81 | 18 |
| 32'63 | 9'25 | 81'06 | 49'41 | 90'82 | 48'57 | 9'03 | 37'43 | 89'84 | 36'78 | 19 |
| 20'53 | 17'21 | 64'00 | 55'53 | 84'11 | 34'86 | 88'24 | 18'76 | 91'68 | 11'88 | 20 |
| 2'07 | ... | 58'93 | 56'36 | 100'00 | ... | 97'34 | 21'93 | 97'66 | 22'31 | 21 |
| ... | ... | 65'80 | 84'04 | ... | ... | 94'61 | 47'99 | 97'48 | 45'99 | 22 |
| 5'21 | ... | 10'36 | 7'28 | 90'17 | ... | 80'60 | 15'38 | 92'87 | 60'94 | 23 |
| 3'26 | 1'68 | 48'93 | 15'93 | 99'08 | 44'76 | 98'15 | 43'59 | 99'34 | 39'37 | 24 |
| 6'12 | '95 | 40'56 | 43'77 | 91'82 | 18'84 | 85'16 | 10'37 | 87'78 | 8'03 | 25 |
| 37'87 | '57 | ... | ... | 99'25 | 100'00 | ... | ... | 92'76 | 71'81 | 26 |
| ... | ... | ... | ... | ... | ... | ... | ... | 97'60 | 57'63 | 27 |
| 14'54 | 4'17 | 37'37 | 10'35 | 83'76 | 23'96 | 77'68 | 40'70 | 87'99 | 32'26 | 28 |
| 11'69 | 4'94 | 74'76 | 79'50 | 97'86 | 56'88 | 98'18 | 58'80 | 98'26 | 59'58 | 29 |
| 33'94 | 19'33 | 64'68 | 32'66 | 98'52 | 43'31 | 96'16 | 27'40 | 92'80 | 45'30 | 30 |
| 23'31 | 18'63 | 68'97 | 82'57 | 94'55 | 36'03 | 97'97 | 30'51 | 96'60 | 32'67 | 31 |
| 3'83 | 5'58 | 54'33 | 60'87 | 83'11 | 22'17 | 92'28 | 22'69 | 93'56 | 31'30 | 32 |
| 6'23 | 10'62 | ... | ... | 73'08 | 50'79 | ... | ... | 95'44 | 54'42 | 33 |
| 1'04 | 1'83 | ... | ... | 73'07 | 6'25 | ... | ... | 98'72 | 71'39 | 34 |
| ... | ... | 2'79 | 14'97 | ... | ... | 90'91 | 42'34 | 92'54 | 50'95 | 35 |
| 5'50 | 3'28 | 55'94 | 33'82 | 88'52 | 32'63 | 98'01 | 56'81 | 98'64 | 57'27 | 36 |
| 6'00 | 4'82 | 41'25 | 52'46 | 94'32 | 26'26 | 88'25 | 17'16 | 95'50 | 20'79 | 37 |
| 57'35 | 76'88 | 92'70 | 94'42 | 90'45 | 53'22 | 91'28 | 60'51 | 93'26 | 61'69 | 38 |
| 40'34 | 30'80 | 63'54 | 60'03 | 99'37 | 78'60 | 96'11 | 73'17 | 96'97 | 72'99 | 39 |
| 17'38 | 84'53 | '13 | '88 | 68'85 | 70'45 | 100'00 | 35'00 | 97'25 | 70'00 | 40 |
| 2'90 | ... | 62'64 | 29'72 | 100'00 | ... | 99'43 | 21'92 | 98'23 | 24'00 | 41 |
| 8'80 | 7'35 | 52'78 | 47'92 | 91'77 | 45'07 | 95'76 | 32'79 | 96'63 | 35'97 | |

APPENDIX A.—Statement showing the ratio per 10,000 successfully vaccinated and the mortality from Small-pox by quinquennial periods.

| Official Year. | Ratio per 10,000 successfully vaccinated. | Quinquennial Mean. | Calendar Year. | Ratio per 10,000 of mortality from small-pox. | Quinquennial Mean. |
|----------------|---|-----------------------|----------------|---|-----------------------|
| (1) | (2) | (3) | (4) | (5) | (6) |
| 1911-12 | 369·58 | 357·17 | 1911 | 6·08 | 3·50 |
| 1912-13 | 386·16 | | 1912 | 8·08 | |
| 1913-14 | 367·34 | | 1913 | 2·86 | |
| 1914-15 | 332·06 | | 1914 | ·26 | |
| 1915-16 | 330·70 | | 1915 | ·22 | |
| 1916-17 | 365·25 | 414·57 | 1916 | ·72 | 1·79 |
| 1917-18 | 347·10 | | 1917 | ·57 | |
| 1918-19 | 392·57 | | 1918 | ·76 | |
| 1919-20 | 524·21 | | 1919 | 3·99 | |
| 1920-21 | 443·70 | | 1920 | 2·90 | |
| 1921-22 | 408·22 | 447·99 | 1921 | ·92 | 2·15 |
| 1922-23 | 431·94 | | 1922 | 1·34 | |
| 1923-24 | 456·24 | | 1923 | 2·63 | |
| 1924-25 | 466·23 | | 1924 | 2·31 | |
| 1925-26 | 477·33 | | 1925 | 3·56 | |
| 1926-27 | 407·11 | | 1926 | 2·16 | |

APPENDIX B.—Statement showing the number of vaccinations performed in Municipal Towns and Notified Areas (to which Vaccination Act has been extended) on children under one year of age (Paragraph 10).

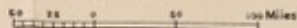
| Towns. | Number of births during the year 1926-27. | Number of deaths among children under one year during the year. | Number of successful operations on children under one year during the year ending 31st March 1927. | Date of extension of Vaccination Act of 1880 into towns. | Date of extension of Vaccination Law Amendment Act of 1909. |
|-----------------------|---|---|--|--|---|
| (1) | (2) | (3) | (4) | (5) | (6) |
| Rangoon ... | 7,054 | 2,306 | 7,135 | April 1884 ... | 1st May 1909. |
| Akyab ... | 563 | 225 | 402 | August 1883 ... | 29th March 1910. |
| Kyaukpyu ... | 101 | 19 | 72 | April 1894 ... | Do. |
| Sadoway ... | 95 | 10 | 94 | September 1890 | Do. |
| Pegu ... | 630 | 186 | 725 | March 1893 ... | Do. |
| Nyaunglebin ... | 169 | 111 | 214 | 29th March 1910 | Do. |
| Tharrawaddy ... | 127 | 27 | 105 | October 1897 ... | ... |
| Thônzè ... | 285 | 43 | 110 | October 1897 ... | 29th March 1910. |
| Zigôn ... | 236 | 63 | 156 | 11th May 1914 ... | 9th Sept. 1915. |
| Letpadan ... | 159 | 58 | 75 | January 1897 ... | 29th March 1910. |
| Gyobingauk ... | 149 | 89 | 99 | February 1897 ... | Do. |
| Minhla ... | 97 | 19 | 79 | 11th May 1914 ... | 9th Sept. 1915. |
| Nattalin ... | 80 | 26 | 126 | 11th May 1914 ... | Do. |
| Syriam ... | 292 | 70 | 163 | 29th January 1913 | 29th January 1913. |
| Thôngwa ... | 272 | 45 | 113 | 3rd March 1914 | 3rd March 1914. |
| Insein ... | 290 | 74 | 397 | 14th March 1912 | 14th March 1912. |
| Prome ... | 588 | 40 | 1,310 | June 1890 ... | 29th March 1910. |
| Shwedaung ... | 200 | 63 | 223 | 10th Sept. 1917 | ... |
| Paungdè ... | 249 | 60 | 156 | August 1890 ... | 29th March 1910. |
| Bassein ... | 1,242 | 410 | 808 | September 1888 | Do. |
| Ngathainggyaung ... | 154 | 39 | 116 | February 1890 ... | Do. |
| Kyônpyaw ... | 157 | 44 | 4 | 26th Dec. 1923 | ... |
| Henzada ... | 751 | 197 | 786 | January 1889 ... | 29th March 1910. |
| Myanaung ... | 223 | 52 | 167 | July 1889 ... | Do. |
| Kyangin ... | 221 | 43 | 112 | August 1894 ... | Do. |
| Myaungmya ... | 185 | 43 | 54 | June 1894 ... | Do. |
| Wakèma ... | 308 | 90 | 93 | 27th April 1907 ... | Do. |
| Mawlamyainggyun... .. | 192 | 81 | 95 | 20th July 1925 ... | 20th July 1925. |
| Ma-ubin ... | 208 | 64 | 227 | October 1891 ... | 29th March 1910. |
| Yandoon ... | 199 | 44 | 175 | January 1892 ... | Do. |
| Danubyu ... | 159 | 37 | 120 | 9th July 1909 | ... |
| Pyapôn ... | 195 | 33 | 351 | November 1904 | 29th March 1910. |

APPENDIX B.—Statement showing the number of vaccinations performed in Municipal Towns and Notified Areas (to which Vaccination Act has been extended) on children under one year of age (Paragraph 10)—concl'd.

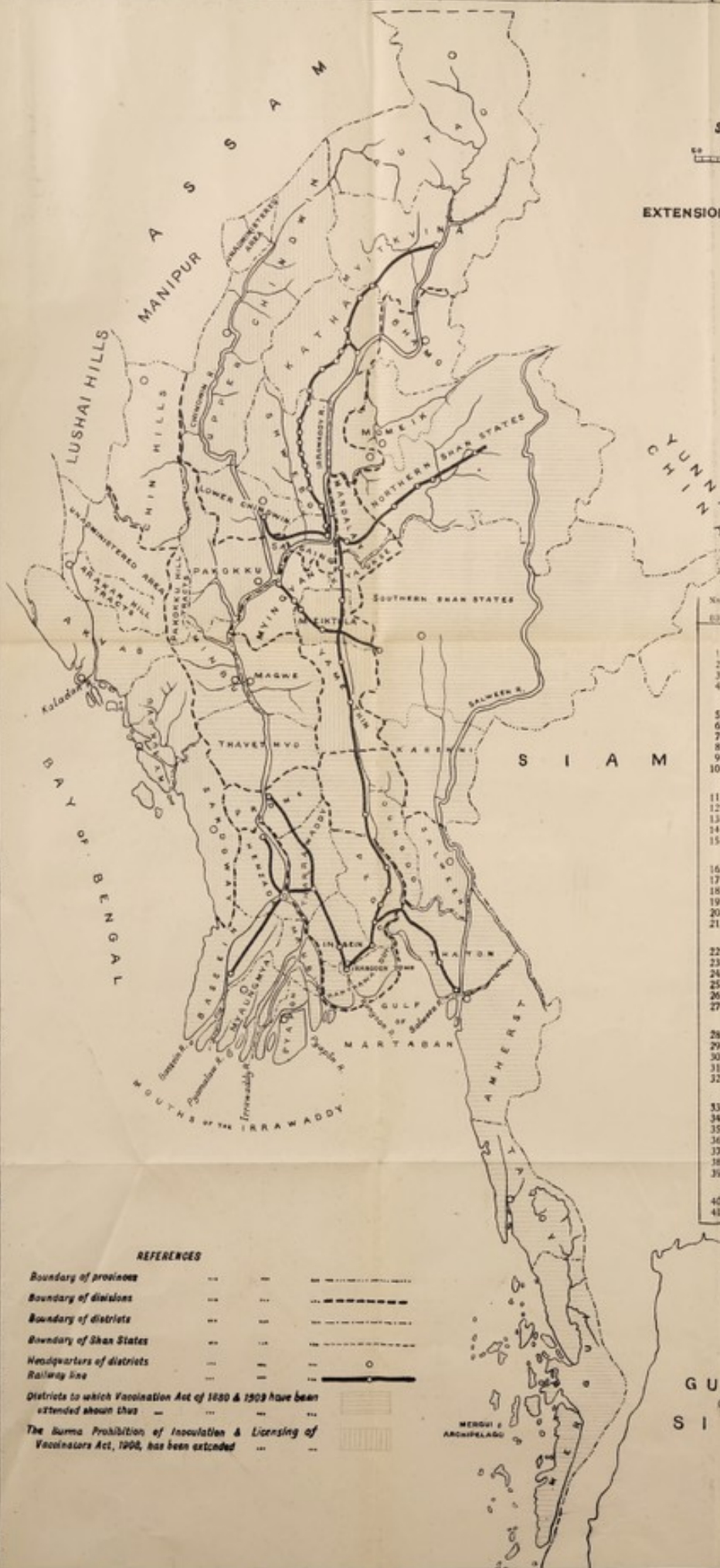
| Towns. | Number of births during the year 1926-27. | Number of deaths among children under one year during the year. | Number of successful operations on children under one year during the year ending 31st March 1927. | Date of extension of Vaccination Act of 1880 into towns. | Date of extension of Vaccination Law Amendment Act of 1909. |
|--------------|---|---|--|--|---|
| (1) | (2) | (3) | (4) | (5) | (6) |
| Kyaiklat | 195 | 72 | 158 | 15th Dec. 1904 | 29th March 1910. |
| Thatôn | 496 | 101 | 303 | October 1891 | Do. |
| Kyaikto | 174 | 46 | 158 | March 1897 | Do. |
| Moulmein | 1,465 | 349 | 1,418 | August 1885 | Do. |
| Kawkareik | 281 | 121 | 99 | September 1914 | 17th Sept. 1914. |
| Tavoy | 891 | 178 | 830 | December 1889 | 29th March 1910. |
| Mergui | 548 | 142 | 883 | October 1891 | Do. |
| Toungoo | 484 | 94 | 307 | May 1889 | Do. |
| Shwegyin | 158 | 29 | 87 | January 1890 | Do. |
| Pyu | 221 | 44 | 71 | January 1920 | 17th January 1920. |
| Thayetmyo | 183 | 90 | 235 | May 1889 | 29th March 1910. |
| Allanmyo | 253 | 59 | 226 | May 1901 | Do. |
| Minbu | 172 | 45 | 72 | March 1896 | Do. |
| Salin | 222 | 80 | 121 | March 1896 | Do. |
| Magwe | 192 | 86 | 118 | 10th March 1913 | 10th March 1913. |
| Taungdwingyi | 253 | 92 | 196 | February 1893 | 29th March 1910. |
| Yenangyaung | 340 | 122 | 211 | 10th March 1913 | 10th March 1913. |
| Pakòkku | 554 | 231 | 219 | April 1892 | 29th March 1910. |
| Mandalay | 7,440 | 2,477 | 5,463 | August 1891 | Do. |
| Maymyo | 539 | 139 | 317 | October 1912 | 22nd October 1912. |
| Kyauksè | 231 | 69 | 147 | May 1894 | 29th March 1910. |
| Meiktila | 314 | 120 | 250 | June 1906 | 31st July 1922. |
| Myingyan | 617 | 225 | 222 | September 1891 | 29th March 1910. |
| Nyaung-u | 160 | 41 | 84 | 30th August 1921 | 30th August 1921. |
| Yamèthin | 280 | 121 | 168 | February 1892 | 29th March 1910. |
| Pyinmana | 452 | 181 | 452 | November 1891 | Do. |
| Pyawbwè | 173 | 64 | 117 | May 1912 | ... |
| Bhamo | 174 | 31 | 101 | 26th October 1894 | 29th March 1910. |
| Shwebo | 417 | 145 | 315 | June 1894 | Do. |
| Sagaing | 373 | 141 | 283 | April 1894 | Do. |
| Mônywa | 279 | 106 | 196 | March 1893 | Do. |
| Total | 34,361 | 10,552 | 28,689 | | |

Map OF BURMA

Scale: 1 inch = 64 miles



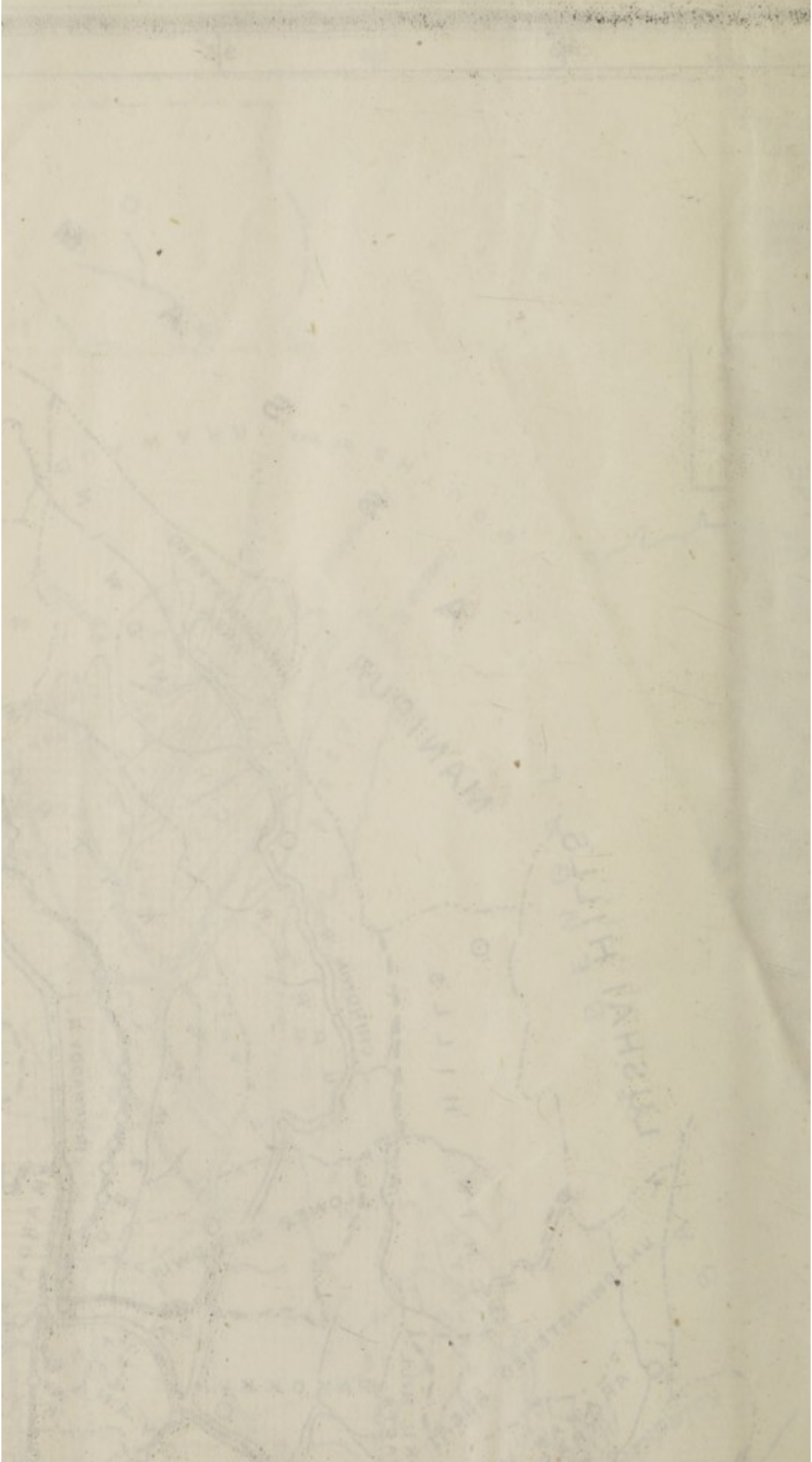
SHOWING
EXTENSION OF VACCINATION ACTS.



| No. | Divisions and Districts. | Inspectors of Vaccination. | Vaccinators. |
|-------------------------------|-----------------------------|----------------------------|--------------|
| (1) | (2) | (3) | (4) |
| ARAKAN DIVISION. | | | |
| 1 | Akyab ... | 2 | 12 |
| 2 | Hill District of Arakan ... | ... | 3 |
| 3 | Kyaukpadaung ... | 1 | 6 |
| 4 | Sandoway ... | 1 | 4 |
| PAGO DIVISION. | | | |
| 5 | Bangon ... | 1 | 22 |
| 6 | Pago ... | 2 | 8 |
| 7 | Tharrawaddy ... | 6 | 12 |
| 8 | Hanthawaddy ... | 4 | 19 |
| 9 | Insan ... | 4 | 8 |
| 10 | Prome ... | 2 | 3 |
| IRRAWADDY DIVISION. | | | |
| 11 | Basson ... | 3 | 16 |
| 12 | Kenazda ... | 4 | 14 |
| 13 | Myingayya ... | 5 | 15 |
| 14 | Maubin ... | 4 | 11 |
| 15 | Pyawin ... | 4 | 10 |
| TENASSERIM DIVISION. | | | |
| 16 | Salween ... | ... | 2 |
| 17 | Thabein ... | 2 | 11 |
| 18 | Amherst ... | 4 | 11 |
| 19 | Tavoy ... | 1 | 6 |
| 20 | Mergui ... | 1 | 5 |
| 21 | Toungoo ... | 4 | 13 |
| MAGWE DIVISION. | | | |
| 22 | Thayethary ... | 2 | 8 |
| 23 | Minbu ... | 2 | 7 |
| 24 | Magwe ... | 4 | 9 |
| 25 | Pakhal ... | 1 | 9 |
| 26 | Chin Hills ... | ... | 3 |
| 27 | Pakhal Hill Tracts ... | ... | 1 |
| MANDALAY DIVISION. | | | |
| 28 | Mandalay ... | 1 | 11 |
| 29 | Kyaukse ... | 1 | 5 |
| 30 | Meiktila ... | 1 | 6 |
| 31 | Myingyan ... | 1 | 9 |
| 32 | Yamethin ... | 1 | 7 |
| SAGAING DIVISION. | | | |
| 33 | Shamo ... | ... | 4 |
| 34 | Myittha ... | ... | 2 |
| 35 | Shwebo ... | 2 | 10 |
| 36 | Sagaing ... | 1 | 7 |
| 37 | Katha ... | 2 | 6 |
| 38 | Upper Chinwin ... | 1 | 6 |
| 39 | Lower Chinwin ... | 1 | 6 |
| FEDERATED SHAN STATES. | | | |
| 40 | Northern Shan States ... | ... | 19 |
| 41 | Southern Shan States ... | 2 | 21 |

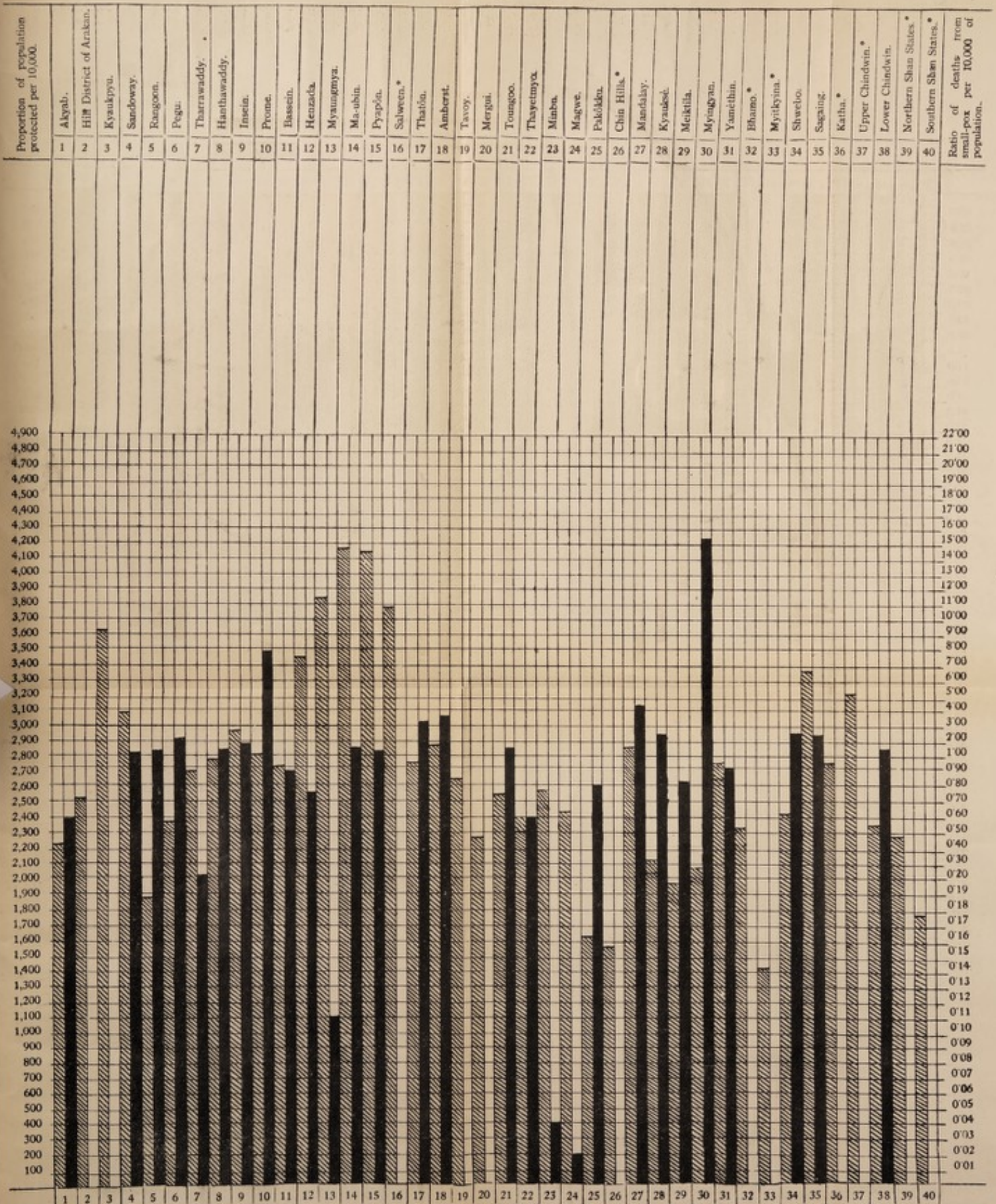
REFERENCES



- Boundary of provinces ...
- Boundary of divisions ...
- Boundary of districts ...
- Boundary of Shan States ...
- Headquarters of districts ...
- Railway line ...
- Districts to which Vaccination Act of 1920 & 1923 have been extended show this ...
- The Burma Prohibition of Inoculation & Licensing of Vaccinators Act, 1906, has been extended ...



APPENDIX C.

Diagram showing the Proportion of Population protected during the seven official years from 1920-21 to 1926-27 and the Death-rate from Small-pox during the year 1926 in districts where full registration is in force.



 Indicates proportion of population protected per 10,000.
 Indicates ratio of deaths from small-pox per 10,000 of population.

* Deaths classified according to disease are not registered in these Districts.

