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# Local & Munl. (1899) Department.

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G.O., No. 2322

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[Despatch Abstract.]

Vital Statistics

Recording the Sanitary Commissioner's remarks on the Returns of —— in the Dts and Municipalities in the Madras Presidency for June 1899 and ordering the publication of the Returns in the Fort Saint George Gazette.

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# Government {1899} of Madras.

## LOCAL AND MUNICIPAL.

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**G.O., No. 2322 L., 15th November 1899.**

**NOVEMBER.**

**Vital Statistics.**

Recording the Sanitary Commissioner's remarks on the returns of — in the Districts and Municipalities in the Madras Presidency for June 1899, and ordering the publication of the returns in the *Fort St. George Gazette*.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following paper :—

No. 2759-S.

Remarks by the Sanitary Commissioner, Madras, on the recorded Vital Statistics in the Districts and Municipalities of the Madras Presidency for the month of June 1899.

DISTRICTS.

The registration of vital statistics during the month under review showed a total of 85,300 births and 50,412 deaths, which yielded annual ratios of 30·5 and 18·0 per mille, respectively, of the census population of 1891, and 26·5 and 15·7 per mille of the estimated population. Classified according to sex, 43,486 boys and 41,814 girls were born, and 25,234 males and 25,178 females died during the month ; or, in other words, 104·0 boys were born for every 100 girls, and 100·2 males died for every 100 females.

2. The subjoined statement compares the deaths from several causes with those of May last and June 1898 :—

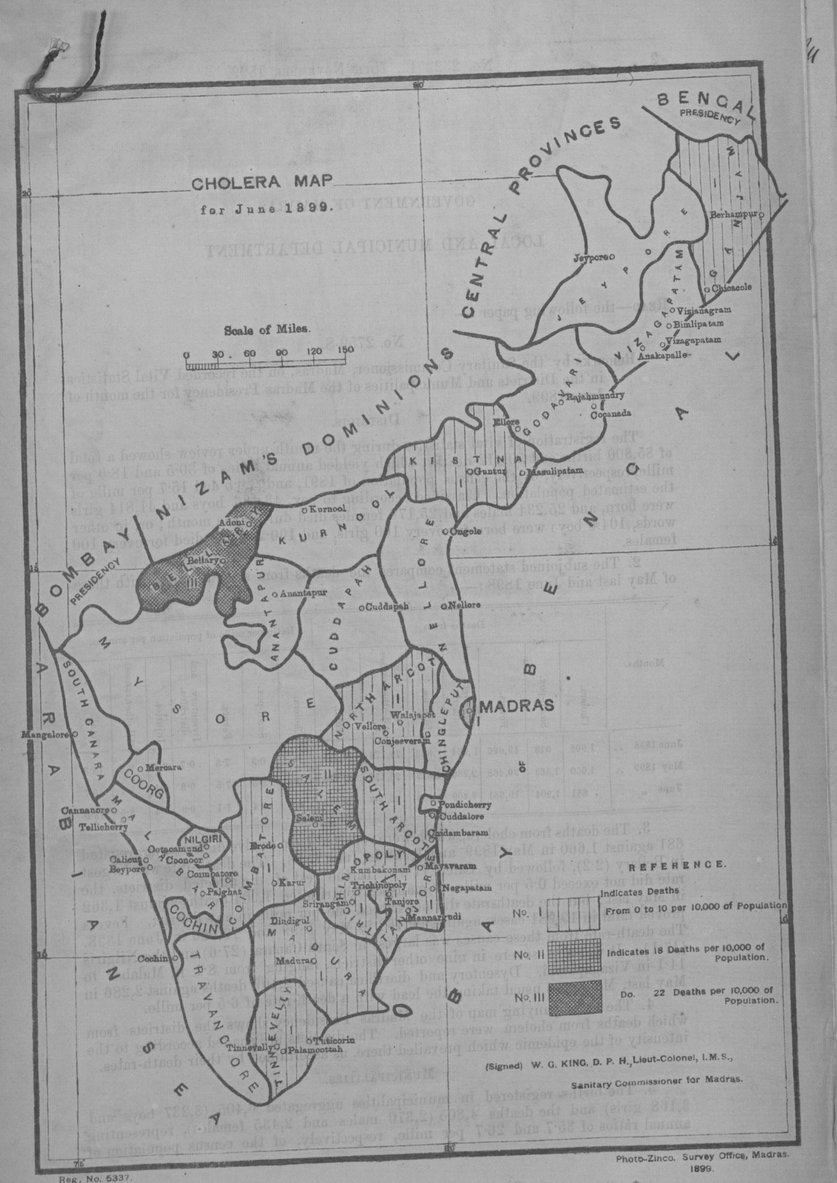
| Months. | Deaths from | | | | | | | Ratio per mille of population per annum. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cholera. | Small-pox. | Fevers. | Dysentery and diarrhœa. | Injuries. | All other causes. | Total. | Cholera. | Small-pox. | Fevers. | Dysentery and diarrhœa. | Injuries. | All other causes. | Total. |
| June 1898 .. | 1,908 | 913 | 19,626 | 1,964 | 863 | 24,174 | 49,448 | 0·7 | 0·3 | 7·3 | 0·7 | 0·3 | 9·0 | 18·3 |
| May 1899 .. | 1,660 | 1,362 | 20,468 | 2,286 | 1,312 | 26,176 | 53,264 | 0·6 | 0·5 | 7·6 | 0·8 | 0·5 | 9·7 | 19·7 |
| June „ .. | 681 | 1,204 | 19,981 | 2,409 | 1,134 | 25,003 | 50,412 | 0·3 | 0·4 | 7·1 | 0·9 | 0·4 | 8·9 | 18·0 |

3. The deaths from cholera, which were reported from twelve districts, aggregated 681 against 1,660 in May 1899 and 1,908 in June 1898. The death-rate was largest in Bellary (2·2), followed by Salem (1·8). In the rest of the affected districts, the rate did not exceed 0·5 per mille. Small-pox contributed 1,204 deaths against 1,362 in May last ; but the death-rate did not exceed one per mille in any district. Fevers proved fatal in 19,981 cases against 20,468 in May 1899 and 19,626 in June 1898. The death-rate from these causes was largest in South Canara (27·6) and the Nilgiris (17·1). It was also severe in nine other districts, ranging from 8·1 in Malabar to 14·1 in Vizagapatam. Dysentery and diarrhœa caused 2,409 deaths against 2,286 in May last, Madras as usual taking the lead with a death-rate of 6·5 per mille.

4. The accompanying map of the Madras Presidency shows the districts from which deaths from cholera were reported. The districts are shaded according to the intensity of the epidemic which prevailed there, as ascertained by their death-rates.

MUNICIPALITIES.

5. The births registered in municipalities aggregated 6,405 (3,237 boys and 3,168 girls) and the deaths 4,805 (2,370 males and 2,435 females), representing annual ratios of 35·7 and 26·7 per mille, respectively, of the census population of




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# Government {1899} of Madras.

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2. The subjoined statement compares the deaths from several causes with those of May last and June 1898:—

| Months. | Deaths from | | | | | | | Ratio per mille of population per annum. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cholera. | Small-pox. | Fevers. | Dysentery and diarrhœa. | Injuries. | All other causes. | Total. | Cholera. | Small-pox. | Fevers. | Dysentery and diarrhœa. | Injuries. | All other causes. | Total. |
| June 1898 .. | 1,908 | 913 | 19,626 | 1,964 | 863 | 24,174 | 49,448 | 0·7 | 0·3 | 7·3 | 0·7 | 0·3 | 9·0 | 18·3 |
| May 1899 .. | 1,660 | 1,362 | 20,468 | 2,286 | 1,312 | 26,176 | 53,264 | 0·6 | 0·5 | 7·6 | 0·8 | 0·5 | 9·7 | 19·7 |
| June „ .. | 681 | 1,204 | 19,981 | 2,409 | 1,134 | 25,003 | 50,412 | 0·3 | 0·4 | 7·1 | 0·9 | 0·4 | 8·9 | 18·0 |

3. The deaths from cholera, which were reported from twelve districts, aggregated 681 against 1,660 in May 1899 and 1,908 in June 1898. The death-rate was largest in Bellary (2·2), followed by Salem (1·8). In the rest of the affected districts, the rate did not exceed 0·5 per mille. Small-pox contributed 1,204 deaths against 1,362 in May last; but the death-rate did not exceed one per mille in any district. Fevers proved fatal in 19,981 cases against 20,468 in May 1899 and 19,626 in June 1898. The death-rate from these causes was largest in South Canara (27·6) and Nilgiris (17·1). It was also severe in nine other districts, ranging from 8·1 in Malabar to 14·1 in Vizagapatam. Dysentery and diarrhœa caused 2,409 deaths against 2,286 in May last, Madras as usual taking the lead with a death-rate of 6·5 per mille.

4. The accompanying map of the Madras Presidency shows the districts from which deaths from cholera were reported. The districts are shaded according to the intensity of the epidemic which prevailed there, as ascertained by their death-rates.

MUNICIPALITIES.

5. The births registered in municipalities aggregated 6,405 (3,237 boys and 3,168 girls) and the deaths 4,805 (2,370 males and 2,435 females), representing annual ratios of 35·7 and 26·7 per mille, respectively, of the census population of



1891, and 32·2 and 24·2 per mille of the estimated population. The mortality among infants under one year of age was 196·6 per mille per annum of the population of that age in that month, against 228·2 per mille in May last.

6. The following statement compares the mortality from the several causes with those of May 1899 and June 1898:—

| Months. | Deaths from | | | | | | | Ratio per mille of population per annum. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cholera. | Small-pox. | Fevers. | Dysentery and diarrhœa. | Injuries. | All other causes. | Total. | Cholera. | Small-pox. | Fevers. | Dysentery and diarrhœa. | Injuries. | All other causes. | Total. |
| June 1898 .. | 27 | 23 | 1,611 | 639 | 74 | 2,862 | 5,236 | 0·2 | 0·1 | 9·0 | 3·6 | 0·4 | 15·9 | 29·2 |
| May 1899 .. | 158 | 38 | 1,067 | 786 | 79 | 3,245 | 5,403 | 1·0 | 0·2 | 5·9 | 4·5 | 0·4 | 18·1 | 30·1 |
| June „ .. | 71 | 36 | 1,079 | 708 | 71 | 2,840 | 4,805 | 0·4 | 0·2 | 6·0 | 3·9 | 0·4 | 15·8 | 26·7 |

7. Deaths from cholera were reported from seven towns. They aggregated 71 against 188 in May 1899 and 27 in June 1898. All other municipal towns enjoyed complete immunity from this cause. Small-pox proved fatal in 36 cases against 38 in the preceding month. Fevers accounted for 1,079 deaths against 1,067 in May 1899 and 1,611 in June 1898. The death-rate was largest in Vániyambádi (20·5), followed by Mangalore (13·5), Calicut and Ongole (13·3 each), Parlákimedi (13·2) and Tiruppattúr (12·4). It was also severe in nine other towns. Dysentery and diarrhœa caused 708 deaths against 786 in May last. The death-rate was large in eleven towns, ranging from 6·0 in Coonoor to 10·2 in Parlákimedi.

MADRAS, 6th November 1899. (Signed) W. G. KING, Lieut.-Col., I.M.S., *Sanitary Commissioner for Madras.*

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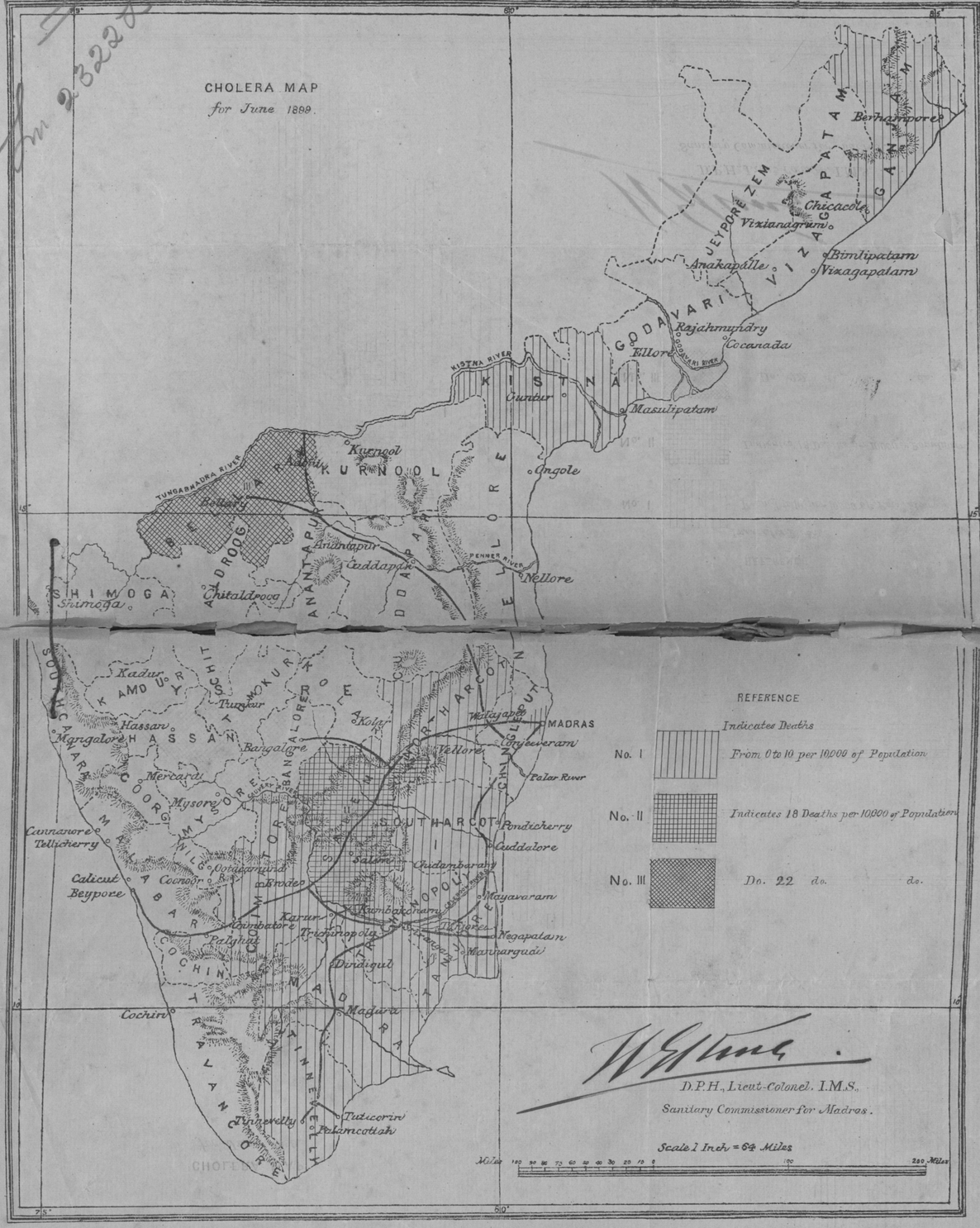
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# CHOLERA MAP

*for June 1899.*




W. H. King.

D.P.H., Lieut.-Colonel. I.M.S.,
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