

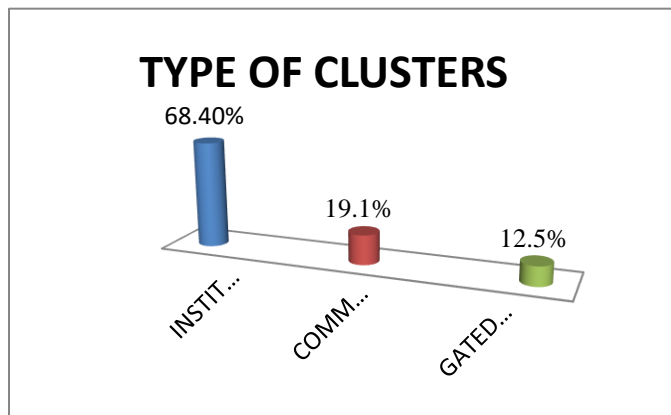
PROFILE OF COVID - 19 CLUSTERS IDENTIFIED IN THRISSUR DISTRICT, KERALA

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Background: For the control of the global pandemic COVID 19, among various pandemic control measures like medical supply, health and medical information dissemination, development of rules and regulations, the cluster response, which intends to detect small groups of infected people in a large community, was significant as this enables health authorities to restrict the spread of virus. **Objectives:** To study the profile of covid 19 clusters identified in thrissur district, Kerala. **Methods:** A Descriptive study was conducted in Cluster management unit , District medical Office Thrissur, in which total 273 Clusters identified in Thrissur district during the period , January 2020- January 2021 were included in the study. Data were collected from Covid 19 spreadsheet records. **Results:** Of total 273 clusters, 68.4% were institutional clusters, 19.1% were community clusters and 12.5% were gated community clusters.



Among community clusters 17% were large community clusters and 83% were limited community clusters. Looking at number of cases in community clusters 82.5% were having less than 50 cases, 11.54% were having 50- 100 cases, 2.11% were having 100- 150 cases and 3.85% had more than 150 cases. Among

total clusters 92% were contained, only 8% were remaining active , Among active clusters 30.4% clusters were persisting over 4-5 months, 69.6% were recently developed clusters.

Conclusion: majority of clusters identified were institutional clusters, which could be easily contained if all contacts of index case are promptly identified and control measures are implemented. Majority of clusters identified were controlled, which shows existence of effective control measures.