

Outbreak, Prevalence and Mortality of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infections in Kerala- A Perspective Study †

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Abstract: Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is the causative agent of infectious disease COVID-19. In India, since the first case reported in Kerala, on January 30, 2020, the outbreak has gradually spread nationwide. The epidemic effect of COVID-19 infection was carried out from January 30 to April 28, 2020 (90 days) across the state. Among the districts studied, Kasaragod and Kannur district exhibit the highest occurrence of COVID-19 cases, whereas Alapuzha and Wyanad districts have the least number of positive cases. The new positive COVID-19 cases were found to be reported in an exponential fashion after 45 days to 75 days, after which there was a decline in the number across the state. As on April 28, 2020, the number of positive cases was 485, recovered cases were 356, active cases were 123, and the fatal cases were 3. Among gender, male individuals are more susceptible to COVID-19 infection than female individuals. The number of newly diagnosed patients has been declining, and the epidemic is gradually being controlled.

Keywords: Coronavirus; SARS-CoV-2; COVID-19; pneumonia; mortality.

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Conflicts of Interest

The authors declare no conflict of interest.