

# COVID-19

March 30, 2020

## 1 Preliminary plots

The data for this study was downloaded from [www.covid19india.org](http://www.covid19india.org). The following plots show the current COVID-19 incidence in the different Indian states. It also depicts the timeline of incidence of COVID-19 cases in India.

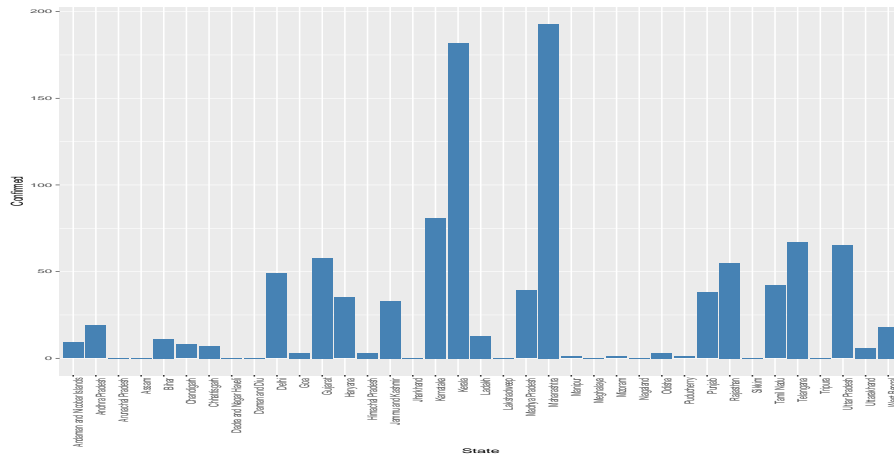


Figure 1: Number of confirmed COVID-19 cases.

The above barplot shows the number of confirmed cases of COVID-19 cases. Among the Indian states, Maharashtra and Kerala have the maximum number of COVID-19 positive cases. As of 30th March 2020 morning, around 215 individuals in Maharashtra and 202 individuals in Kerala have been tested positive for COVID-19. These two states are followed by Karnataka, Telangana and Uttar Pradesh where the number of positive cases are 83, 70, and 72 respectively.



positive cases. There was a slight decline in the increase in number around 24th March after which there has been a steady increase in the number.

Similarly, figure 5 shows cumulative total number of confirmed, recovered and deceased cases over the last couple of months. Cumulatively the number of each has increased after 3rd March 2020 and kept on increasing thereafter.

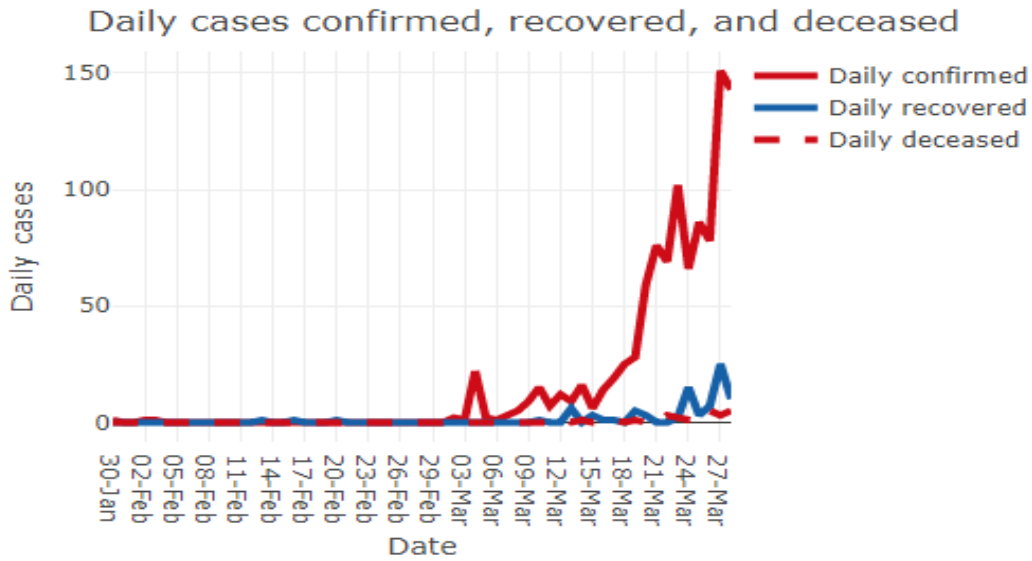


Figure 4: Number of incidences daily.

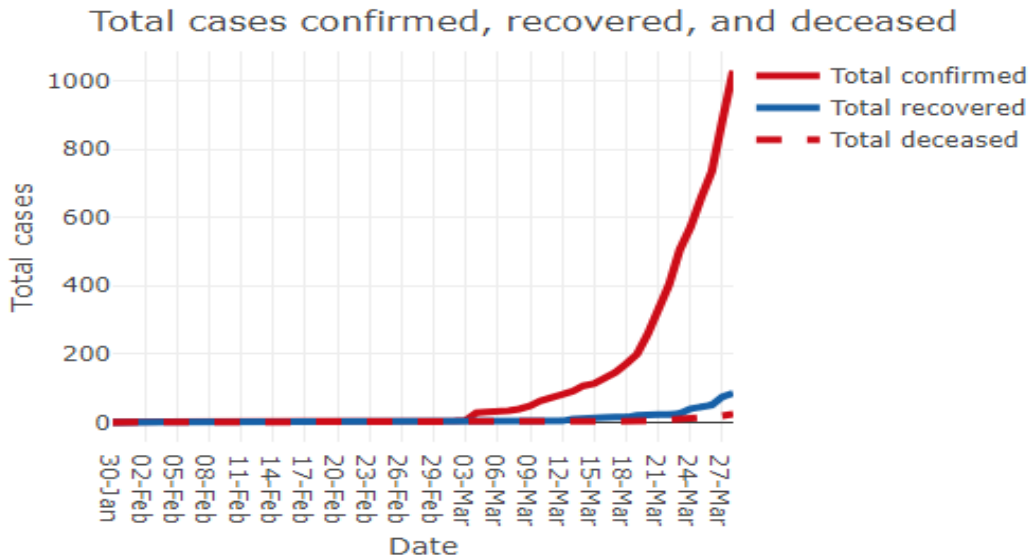


Figure 5: Number of recovered, death and active cases of COVID-19.

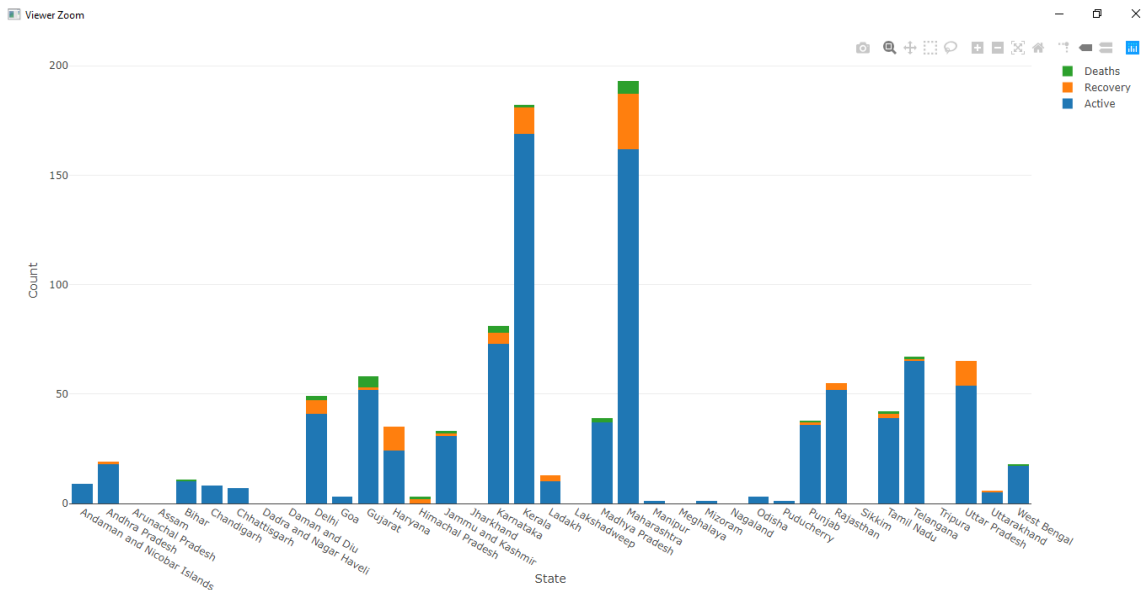


Figure 6: Cumulative number of active, recovered and deceased cases in India.

The above stacked bar plot shows, by states, the number of active cases and the numbers of recovered and deceased cases. This makes it possible to compare the status within states and also across them. For instance, in states like Maharashtra the number of active cases are highest but so is the recovered cases. Similar pattern is also seen in Kerala. However, in some states number of active cases are low, but not much has been seen in terms of number of recovered, like in West Bengal. Whereas, in states like Chhattisgarh and Chandigarh very few active cases are seen without anyone having recovered yet.