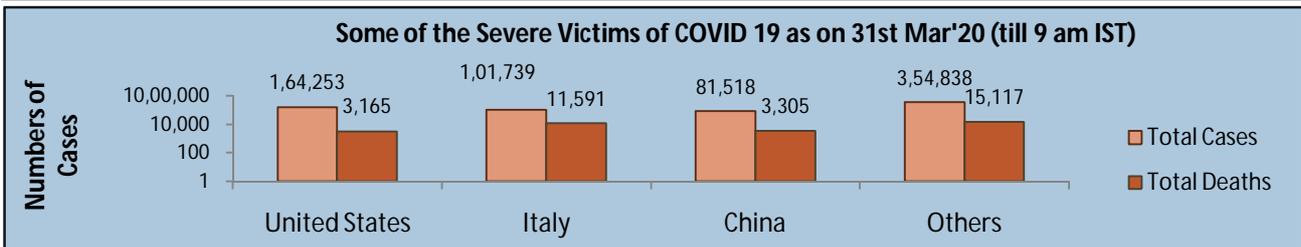
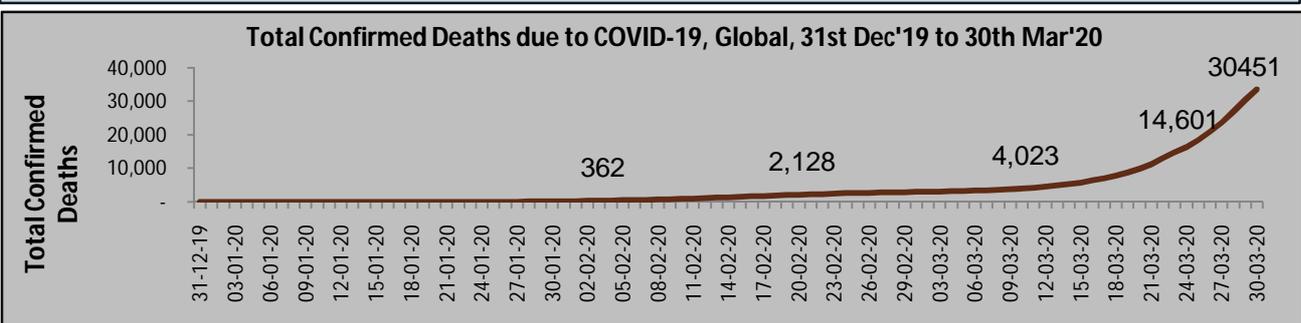
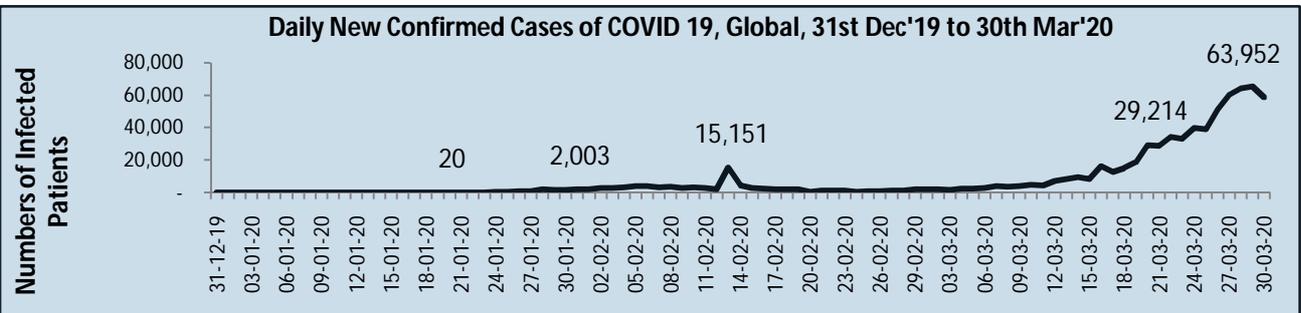
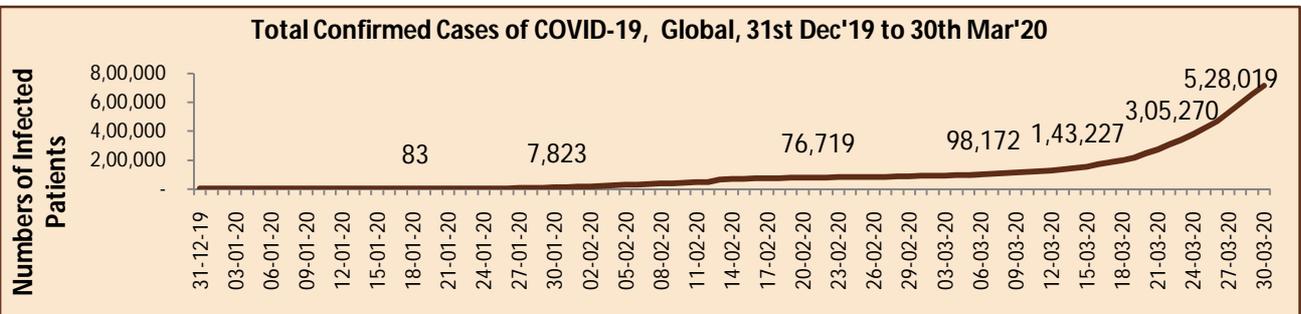
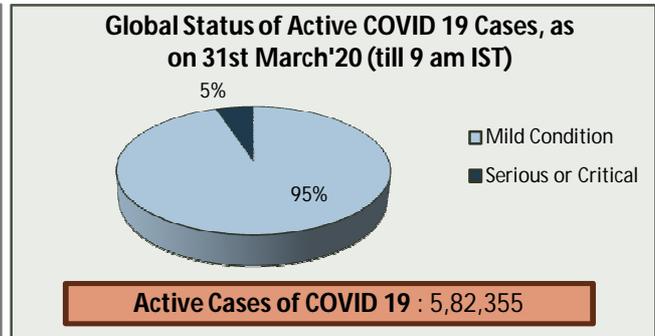
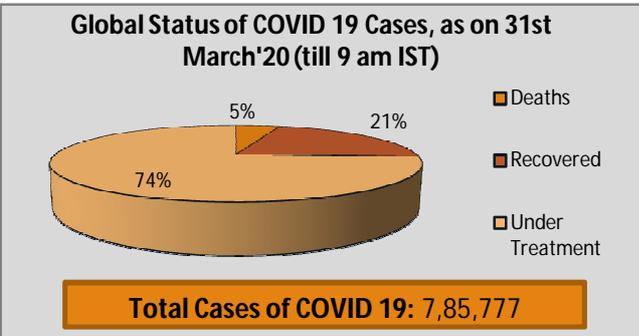
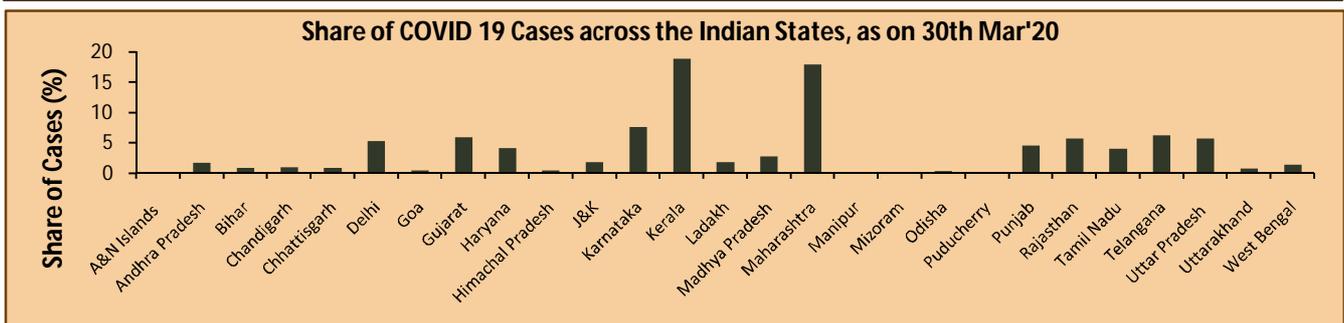
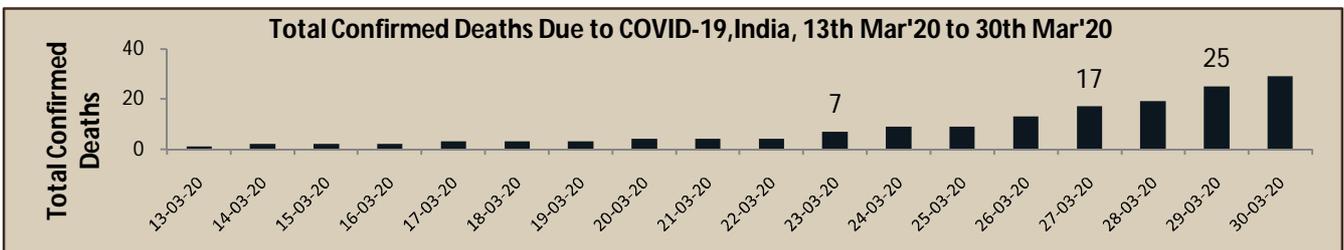
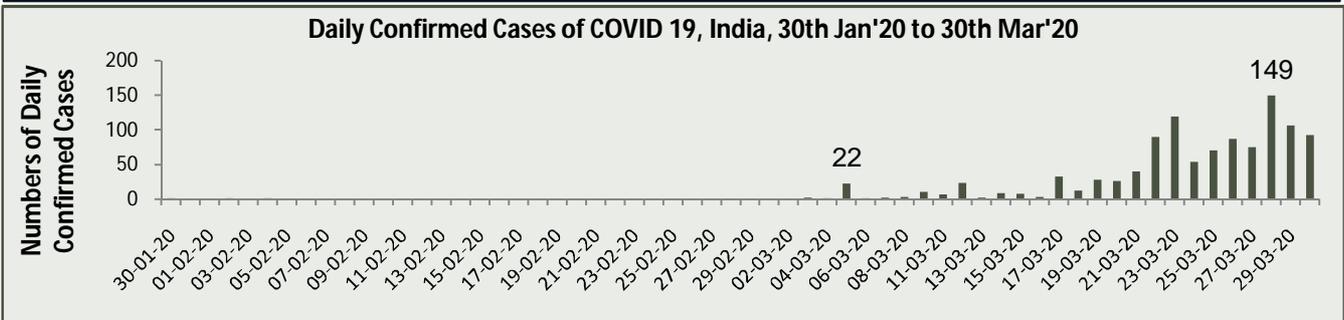
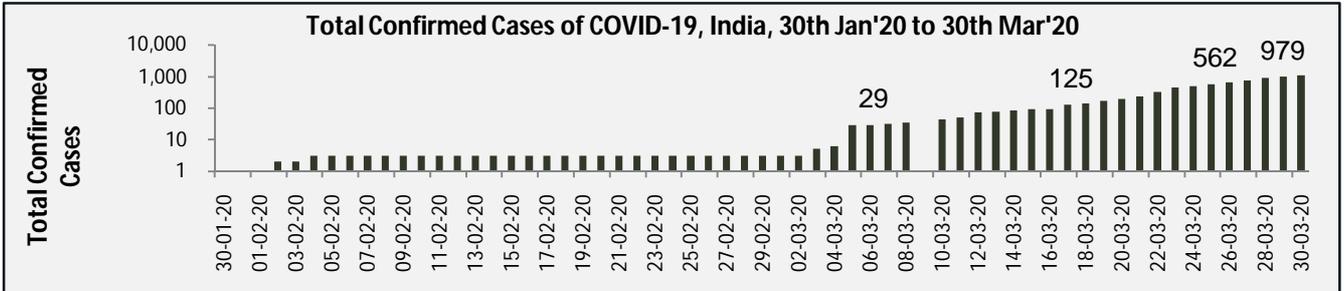
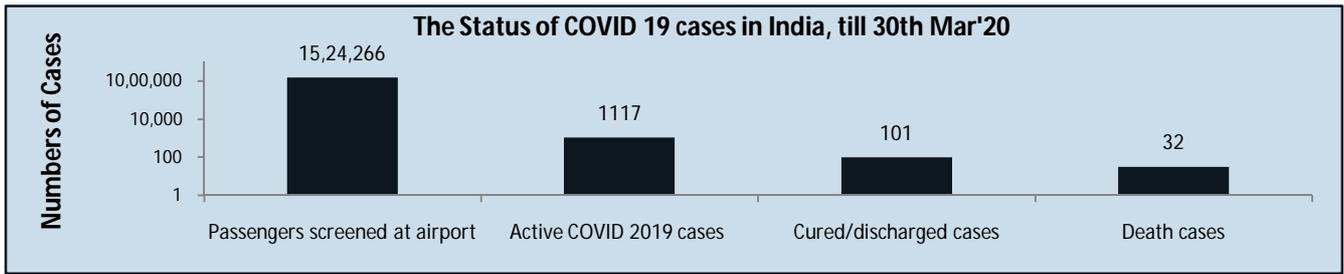


The Spread of COVID 19 – Case Studies across the Globe

- COVID-19 is an infectious disease caused by a newly discovered coronavirus in 2019.
- The infected people from this disease experience mild to moderate respiratory illness. Older people or children, people with weak immunity, and individuals with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness from it.
- The contagious nature of the disease has made the humans so vulnerable that it has spread now in all most all the countries of the world. After observing the threat caused by COVID 19 across the countries, WHO (World Health Organization) declared it as a pandemic (Epidemic spread across large regions) on 11th Mar'20.



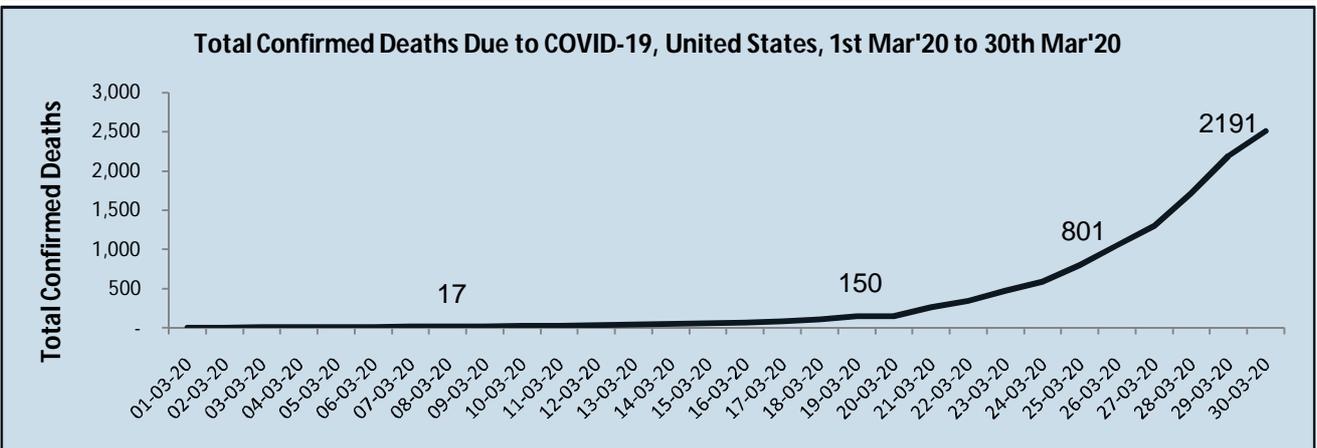
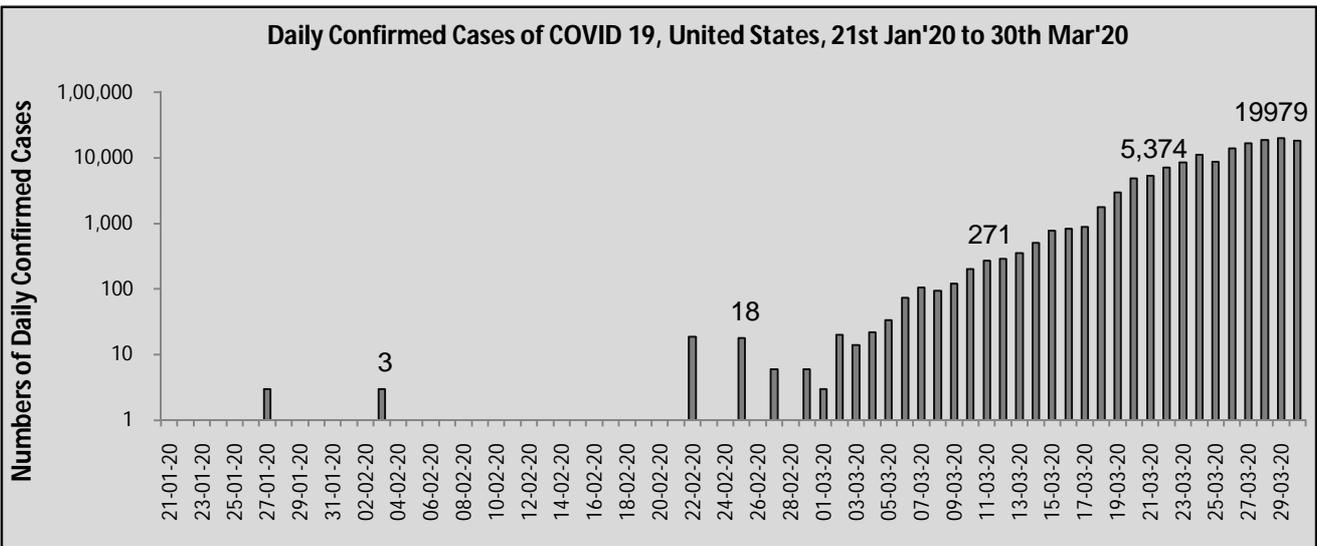
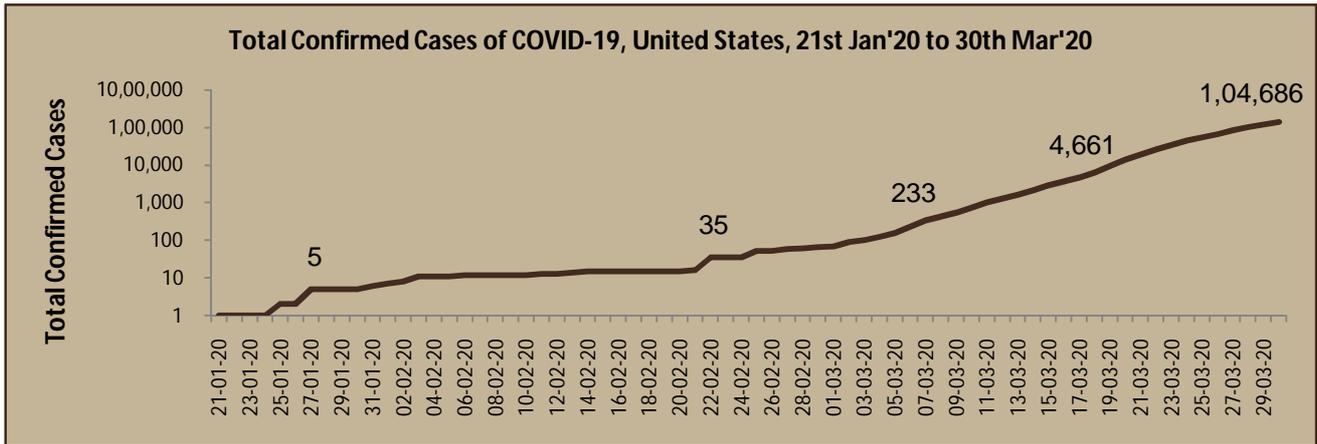
Status of India



- With **1.38 billion** of population India is the 2nd largest populated country in the World. The country has the share of **17%** of global population, so the transmission of COVID 19 can be exponential without prompt actions from government.
- For controlling the situation and by following China and many other countries' footsteps, Government of India has also initiated 21 day lockdown (Since 24th Mar'20) for reducing the infections.
- It is being said that India is still currently in the stage where the pandemic is restricted to "Local transmission and limited community transmission".
- It is believed that India may flatten the COVID 19 curve by strict lockdown. However, according to the experts, 21 day lockdown will not be enough; extension of the lockdown might be required for the country to control the situation.
- Within a span of 10 days, the numbers of infected patients has increased from 100 to 1000. Though the number is lower than many other nations but limited numbers of testing among the people with symptoms might be also a reason behind this.



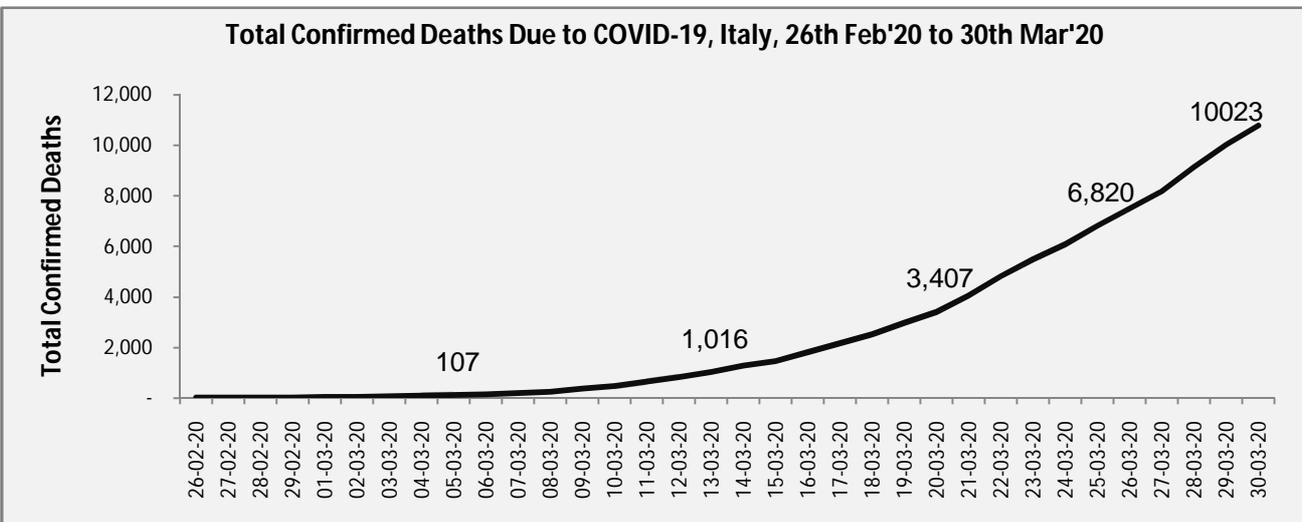
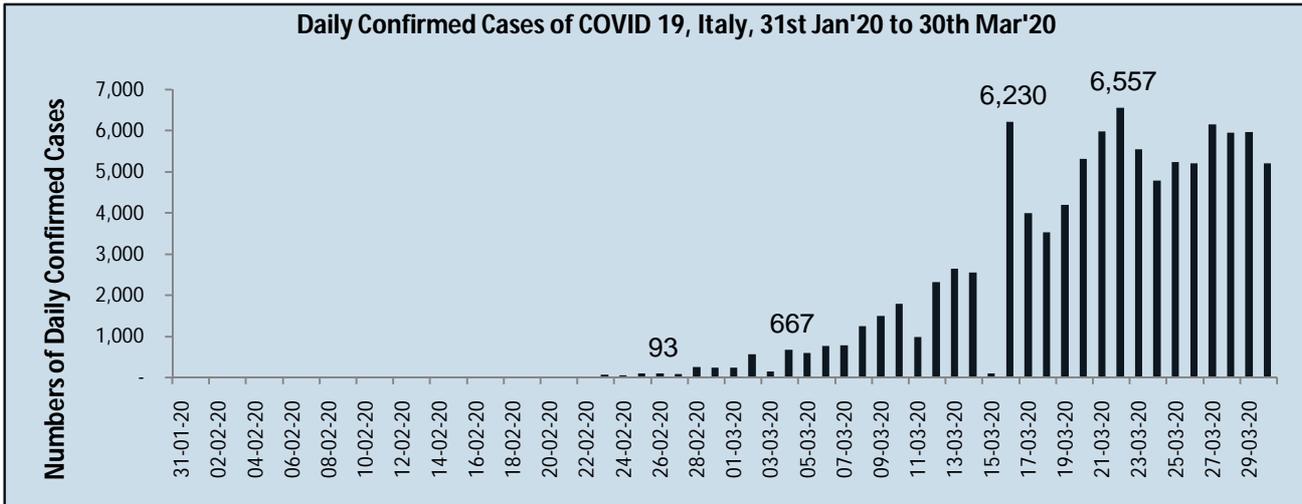
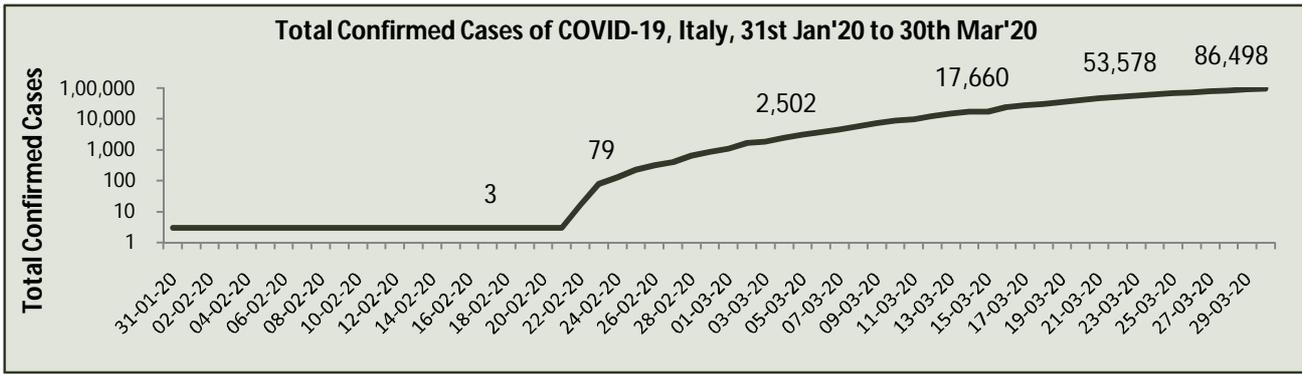
Status of United States



- With more than **330 million** populations, United States is the 3rd populous country in the world.
- The US reported its first COVID 19 case in 20th Jan'20 and it is visible in the charts how much the numbers of infected patients have increased rapidly in the country till now.
- After the revelation of so many COVID 19 patients, it is being said that the testing is still limited.
- A failure to take the disease seriously even after noticing how much it has affected China is one of the crucial reasons behind such situation.
- The highly developed healthcare industry of the United States is supported by trillions of dollars but the current situation has made the system so vulnerable that the shortage of protective gears, masks, ventilators can be seen across the whole country.



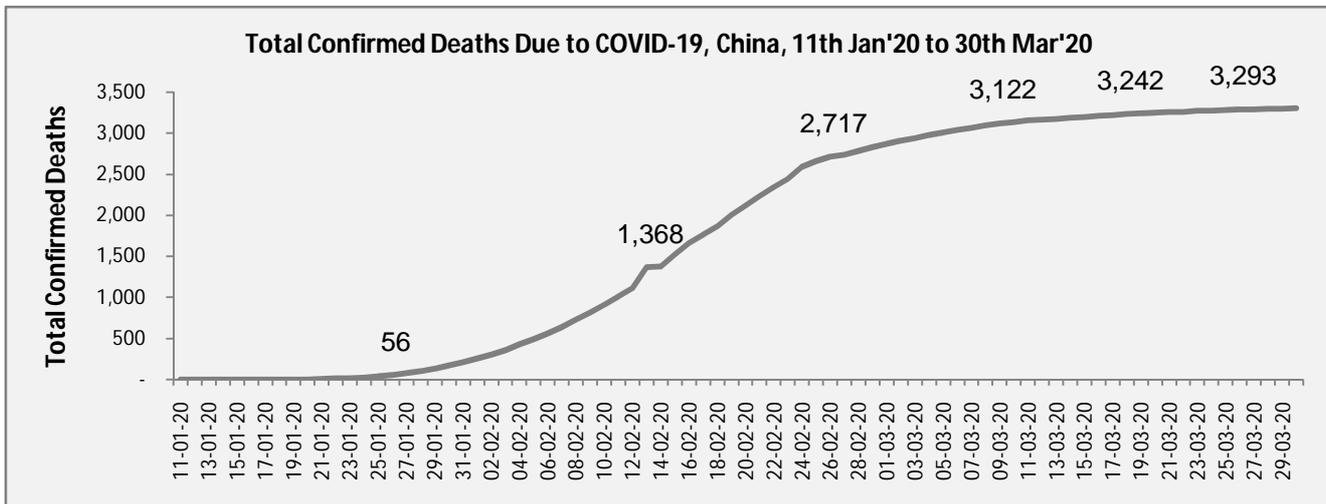
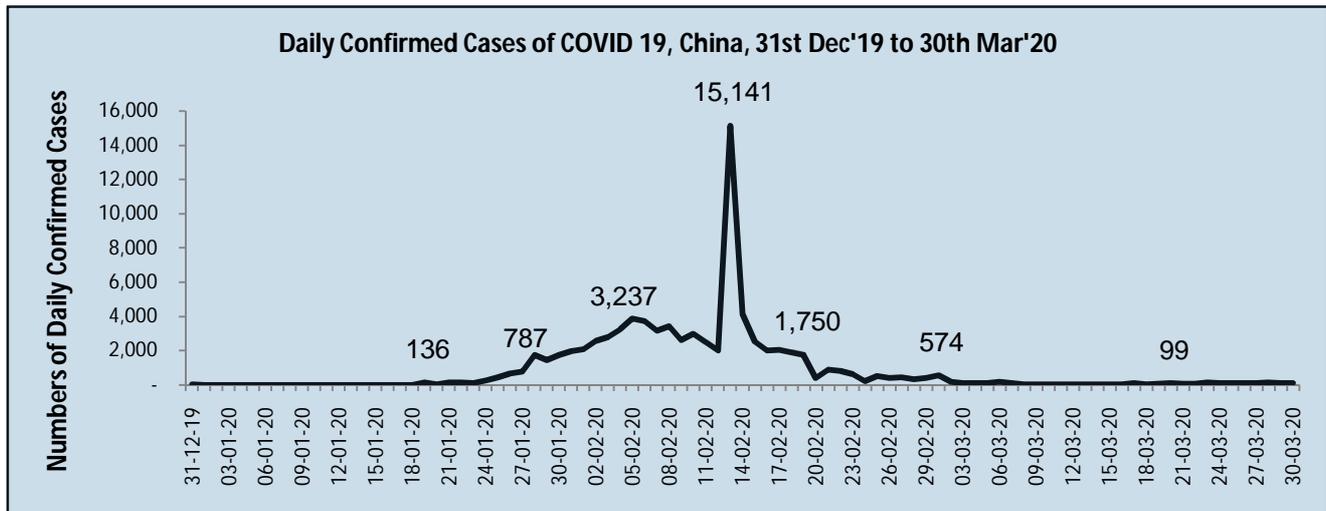
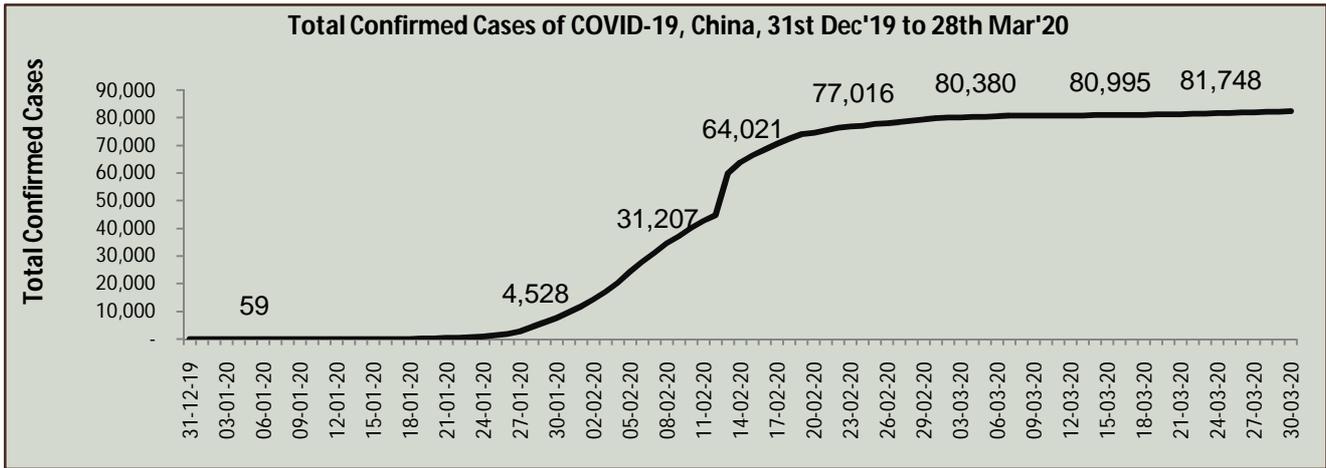
Status of Italy



- Italy has become the deadliest hotspot of the COVID 19 pandemic.
- It has been Italy's biggest crisis since World War II.
- The death toll of the country is highest in the world. In the overall deaths due to COVID 19 in the world, the share of Italy is around 33%.
- The demographic pattern of the country is said to be one of the crucial reasons behind such situation. Italy has the world's second oldest population and 23% of the population of the country consists of people more than 60 yrs old who have become the major victims of this disease.
- Moreover, in the early stage, the disease was not taken seriously by the government. The initiatives of the country was not sufficient enough to halt the virus spread. When restriction started to get effective then also lockdown was only imposed on the affected areas not across the whole country.



Status of China



- China is the country where novel corona virus first originated, but the strict measures imposed by the country made the infections of COVID 19 steadily declined.
- According to global data, the first case of COVID 19 got revealed in China in 31st Dec'19 and within weeks, the country witnessed the massive spread of it.
- China's extreme lockdowns were responsible for bringing down the crisis under control. For reducing the infection, initially the complete movement was restricted in Wuhan and 15 other cities in Hubei Province.
- Soon after that, half of the Chinese population were confined to homes.
- Now after more than 2 months of the lockdown, China is now witnessing a significant fall in the numbers of new cases per day.



Effects and Possible Ways of Recovery

The current scenario of the spread of COVID 19 across the nation depicts a situation where it can be seen that most of the nations have failed to control the COVID 19 in its infancy.

The risk of COVID 19 is so high that within a 2 week span it can make a country to test its first case to announce a complete lockdown.

In most of the cases, it has been the failure of the country leaders to recognize the threat and transmission capacity of the disease and as an outcome, majority of the developed nations fell pray to this epidemic.

The most appropriate time to take action against the disease is the time when the threat appears to be small.

Till now, it has been seen that countries like China, South Korea and Singapore have become able to control the disease to some extent.

Recommendations:

- Extensive testing of symptomatic and asymptomatic patients
- Active and quick tracing of the potential positives
- If someone tests positive, then immediate testing of his/her family members and the persons with whom he/she has met in the last 7 -10 days.
- Starting quarantine period to the ones for whom testing kits are unavailable and who have been in touch with any COVID 19 patient.
- Monitoring the mentioned procedures through effective task force.
- A well structure diagnosis for both the patients and doctors

Many of the nations in the world are currently experiencing a complete lockdown period for reducing the transmission of this deadly virus among the mass. Doctors, Health Research experts are working proactively to launch the vaccine in the market soon. Till then, it is the structured implementation of the government polices and the collective action of the citizens to abide by the rules for hygiene maintenance which can help to control the spread of the disease.

Source: Worldometer, Ministry of Health and Family Welfare, Our World in Data, LSI Research

Note: Data collected till
30th March, 2020

