

A Comprehensive Study of COVID-19 Spread and Prevention in Tamil Nadu, India

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Abstract

In India, Tamil Nadu is in the Southern part of the Sub-Continent. Nearly 8 Crore people are in the state. Simply, it is a dense state; having four cosmopolitan cities. Lots of men and women are working abroad all over the world and it has caused the pandemic to let into the state after China and other countries send back the migrant employers to their native country. Tamil Nadu even in the corner of the nation got chiefly afflicted by the inward transportation of the people in the country. Many north Indian people has been doing business come amass for their business. Kerala the adjacent state of the Tamil Nadu has registered the first case because of its international exposure in airways. Slowly, it got speeded into the nation in all sides of the country and has come to a hiked state. The purpose of the article is to give a comprehensive study of the emergence and the present state of COVID-19 affected in Tamil Nadu, India from the start to 4.4.2020. It also suggests some precautionary measures to avoid such catastrophic end faced by the developed countries.

Keywords: Comprehensive Study, Emergence of COVID-19, Tamil Nadu, India.

The new virus which shattered the entire world with the casualties of valuable lives has been called as severe acute respiratory syndrome Coronavirus 2 or SARS-CoV-2. It was first identified as a disease at Wuhan of Hubei Province in China in the mid November 2019. The disease termed and called Coronavirus disease 2019 (COVID-19) for medical identification. The world's whistle blower on hygiene, the World Health Organization (WHO) on March 2020, declared COVID-19 a pandemic attack in China and the other countries ought to be safe and take remedial precautionary measures. Public health groups, NGO's are monitoring the pandemic disease and have been recommending the modes of prevention and the treatment of illness. COVID-19 spreads from people (afflicted) to person (normal) who are in close contact (within 6 feet or 2 meters). Usually, this virus spreads by respiratory droplets released by the infected with the virus through coughs or sneezes. The symptoms may be of mild to severe fever, dry cough and chest tightness (shortness of breath). In some cases, some people may not have any symptoms. The general incubation time goes on to appear from the 2nd – 14th day after exposure.

India has 3211 positive cases of Corona attacked persons. At present, Tamil Nadu reports 102 Covid-19 positive cases; Chennai leads with 84 cases. According to the official reports of Tamil Nadu, it has been reported 411 (early afternoon) Covid-19 positive cases on Friday

(3.4.20) in the state. Tamil Nadu has been in stage 2 of the virus spread in the country. The government has tested 411 samples of people with acute respiratory infection. Those who are affected are under stable monitoring and treatment (except the dead) and no one was on intensive care. If the toll rises, Buffer zone will be created and door to door surveillance will be done. Around 5 lakh people could be covered under this process. The below table clarifies the stats of COVID-19 in Tamil Nadu. The government released the data on Friday as 86,352 people are under quarantine (home) and on Saturday 90000 more in isolation in the state.

Table -1 District-Wise Cases

COVID-19 Cases in Tamil Nadu by District					
S.No.	District	Active Cases	Recovered	Deaths	Total Confirmed Cases
1	Chengalpattu	17	1	0	18
2	Chennai	77	4	0	81
3	Coimbatore	29	0	0	29
4	Dindigul	43	0	0	43
5	Erode	32	0	0	32
6	Kanchipuram	3	1	0	4
7	Kanyakumari	5	0	0	5
8	Karur	20	0	0	20
9	Madurai	14	0	1	15
10	Namakkal	21	0	0	21
11	Nagapattinam	5	0	0	5
12	Ranipet	5	0	0	5
13	Ramanathapuram	2	0	0	2
14	Salem	8	0	0	8
15	Sivaganga	5	0	0	5
16	Thanjavur	1	0	0	1
17	Theni	21	0	0	21
18	Tirupathur	10	0	0	10
19	Thiruvallur	1	0	0	1
20	Thiruvarur	12	0	0	12

COVID-19 Cases in Tamil Nadu by District					
S.No.	District	Active Cases	Recovered	Deaths	Total Confirmed Cases
21	Thoothukudi	5	0	0	5
22	Tirunelveli	30	0	0	36
23	Tiruppur	1	0	0	1
24	Tiruvannamalai	2	0	0	2
25	Vellore	1	0	0	1
26	Villupuram	13	0	0	13
27	Virudhunagar	10	0	0	10
Total		404	6	1	411

Ref-7 As per 4.4.20 Forenoon

As per the data released by the Ministry of Health and Family Welfare on April 04, 9:00 AM, 102 new Coronavirus cases reported in Tamil Nadu. This situation has made the total reported cases of Coronavirus in Tamil Nadu to the toll of 411. There are 102 new Coronavirus cases were reported as of 9:00 AM on 4th April and in the evening have raised to 601 with 3 casualties in Tamil Nadu. This brings the total reported cases of Coronavirus in Tamil Nadu to 601. The below images as per Wiki (Ref-7) on Tamil Nadu COVID-19 attack reveals thus:

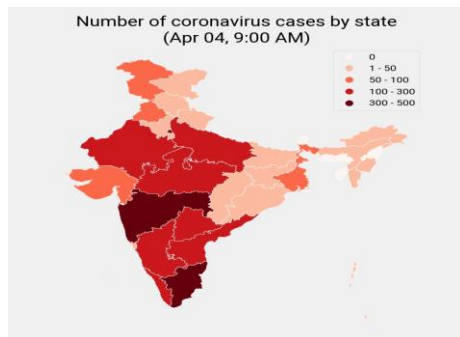


Image-2 Coronavirus cases by State

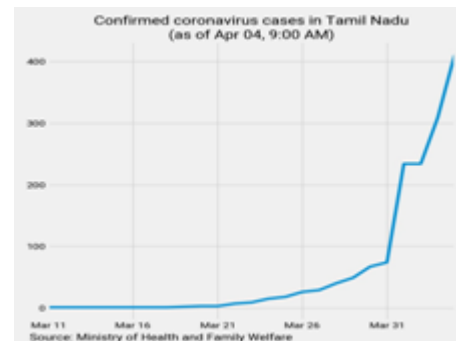


Image-2 Coronavirus cases rise in Tamil Nadu

In fostering the preventive measures, action has been taken to control the spread of the virus by the Indian government and followed by the state government by the lockdown until April 15. During the lockdown period, all are advised to keep themselves inside their homes and only venture out to get daily essentials. This is a way for preventing the spread and to isolate and identify the further affected ones. The state has suggested all people to follow the instructions very carefully to avoid unnecessary loss of lives. According to WHO, most people who have

become infected experience mild illness and could recover, but it can be more severe for others who have lung related and some inner organs related problems. To prevent such spread, the state as per the codes of Indian National Care recommends washing hands frequently and to avoid touching eyes, nose, and mouth to prevent chances of getting infected when getting social connection. It is also advised that those who have fever, dry cough, and difficulty breathing would have to seek medical at the earliest. All of these remedial measures are suggested because there is not any vaccine available for the Coronavirus disease (COVID-19) and no any antiviral medication has been recommended to treat COVID-19. Only the treatment is done for relieving the symptoms and to boost the immune system. Hence, it is vital period to people to keep hold of precautionary measures. The Tamil Nadu State has recommended the following precautions for avoiding COVID-19:

1. Avoid mass events and gatherings.
2. Avoid close contact (6 feet) with anyone who is sick or has symptoms.
3. Keep distance between yourself and others if COVID-19 has been spreading faster in your community, in particular, if you have already risk of serious illness.
4. Wash hands often with alcohol-based hand sanitizer (60% alcohol) or soap and water for at least 20 seconds.
5. Cough or sneeze covering your mouth and nose with your elbow or use a tissue paper and throw away the used one.
6. Avoid touching your eyes, nose and mouth when you touch surfaces of common places (Steps Handle, ATM Machines, etc.)
7. Clean the surfaces you often touch on a daily basis with sanitizers.
8. If you have a chronic medical condition of serious illness, check with your doctor to protect yourself.

Humanity has been under a catastrophe and struggles to overcome it. It is only our self discipline, responsibility, love and perseverance can solve this COVID-19 pandemic crisis. Every individual ought to work together to solve the crisis.

References

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