

A Study on the Economic Impact and Preventive Measures about COVID-19 in Tamilnadu

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Abstract

This paper represents the COVID-19 Economic impact and pandemic that's affecting our globe widely. The virus is sweeping across the world, parting a trail of efficient and group dent in its wake. Coronavirus has gone with new evils and miseries in the large-scale nation and health. The profitable force of the coronavirus is subsequently critical that the experts predicted that the forthcoming large scale depression would be as like as the 1929 terrible depression or at slightest will cross over the 2008 monetary crisis. Countries adopted a national scale lockdown as a head march to enclose the coronavirus. For that altogether, money-making behavior and everyday energy stopped, barren cities and the street feels like hollows. The macro monetary brunt of the coronavirus and the outlook of the macro cost-cutting measure after the epidemic ends. Corona infection is increasing rapidly in India and the number of people falling victim to the coronavirus infection. The coronavirus disease continues to increase across humankind next to a path that is tough to predict. The health, caring and socio-economic policies adopted by countries will control the rate and dilution of the recovery. The World Health Organization and health experts and doctors are advising people to be safe to raise awareness.

Keywords: COVID-19, Pandemic, Economic impact, Preventive measures, GDP

Introduction

Coronavirus is a novel microorganism that causes respiratory illness in hosts. Coronavirus is an illness caused by a virus that extends from individual to person. COVID-19 spread from person to person through small droplets from the nose or mouth when a person coughs or sneezes. The disease is transmitted to an infected person by touching the droplets or other parts of the body with his hands and then touching any parts of his eyes, nose or mouth. Corona infection is increasing rapidly in India and the number of people falling victim to the coronavirus infection. The coronavirus that is plaguing the world -19. All the nations of the world have come together to fight this coronavirus. At the outcome of 2019, a novel virus awful acute respiratory syndrome, Coronavirus (SARS-CoV-2) causing serious acute respiratory syndrome prolonged globally from Wuhan, China. We aimed to describe the behavioral impact and psychological impact in the middle of the people. The last pandemic reported on the earth was the H1N1 infection plague in 2009. This novel coronavirus was named coronavirus disease 2019 (COVID-19) by World Health Organization (WHO) in February 2020. A 2019 shared information from the WHO and the global side estimated the contact of such a plague at 2.2 percent to 4.8 percent of universal GDP.

On March 11, 2020, the humanity health association acknowledged that COVID-19 was a large-scale pandemic, indicating a considerable international distribution of a contagious disease. The planet health business affirmed the SARS virus as an inclusive pandemic. India extremely is groaning under the depression of the epidemic. As apiece news in monetary era available on 23 March 2020, the economist is pegging the outlay of the COVID-19 lockdown at US\$120 billion or 4 percent of the GDP. The pandemic, down with the noticeable health-related impact, poses a life-threatening risk to the psychological well-being of independent has resulted in momentous behavioral changes. The virus is referred to as SARS-CoV-2 and the linked disease is COVID-19. The World Health Organization and health experts and doctors advise people to be safe to raise awareness (Joshua Gans, 2020).

Origin of the COVID-19

In Dec 2019, there was a cluster of pneumonia cases in the city of Wuhan in China. The Middle East Respiratory Syndrome (MERS) coronavirus was first identified in Saudi Arabia in 2012, and Tsarskoe V2 named the virus that causes COVID-19 that was first reported in Dec 2019. Some of the early cases had reported visiting or working in sea food and live animal markets in Wuhan. Investigations found that the disease was caused by a newly discovered coronavirus; the disease was subsequently named COVID-19. On 30th January 2020, the WHO declared the outbreak a public health emergency of international concern. COVID-19 is a large group of viruses that consist of a core of genetic material surrounded by a lipid envelope with protein spikes. This gives it the appearance of a crown in a Latin word called Corona. These different types of coronavirus is that cause illness in animals and humans. In humans, coronavirus can cause respiratory infections ranging from the common cold to more severe disease. These include severe acute respiratory syndrome. As a certain family of the virus, Coronavirus or COVID-19, it is assumed to contain a head that originated in China's Wuhan has confirmed a pandemic (March 11, 2020, World Health Organization). As for each department of Health and Family Welfare, the infection may

maintain progress from a swine font but spreads through being to human being contact. As apiece WHO, the virus that causes COVID-19 and the one that caused the outbreak of relentless Severe Acute Respiratory Syndrome (SARS) in 2003 are interrelated to all other genetically, but the diseases they basis are fully different. SARS was further deadly but greatly minus catching the COVID-19 at hand cover been no outbreaks of SARS somewhere in the humankind since 2003 (Ministry of Health and Family Welfare).

Literature related to COVID-19

A study prepared by Martin Karlsson (2014) to access the bang of 1918 Spanish influenza spate on Swedish saving is based on the neoclassical model. A broadening of the model difference-in- difference estimator was employed to exploit the differing infection mortality tariff. Briscese et al. (2020) prototypical the shock of "lockdown extension" on conformity through an illustrative experiment of India residents. The researchers located that if a known hypothetical addition is shorter than likely (i.e., a conclusive surprise), the residents are extra enthusiastic about multiplication self-isolation. Therefore, to guarantee compliance, these authors recommend that it is imperative for the government / local powers that be to do on a phone call and to make do people's expectations. After the annoyance of national lockdown on March 24, 2020, carrying check is relentlessly artificial as in attendance is a bring to an end proscribe on the progress of passengers and freight carriers expect for elemental services, command transfer of not collecting the toll Income tax has impacted in the establish of 85 Crores day after day loss of revenue (Saluja, 2020). As the measurement of public distancing, businesses, schools, the people centers, and Non-Governmental Organization (NGO) own been compulsory to rigorous down, majority gatherings arrange been prohibited, and lockdown events take part in been compulsory in loads of countries, allowing tour for single needs. The goal is that through group distancing, countries will be competent to "flatten the curve" (John Hopkins University, 2020)

Pandemic History and Economic Impact

The coronavirus is sweeping across the world, parting a trail of efficient and group dent in its wake. Self- assured organizations are first to prepare for a post-COVID-19 world. Pandemics are not new and engage in occurred at uncommon stages in individual history.

Table 1: History of Pandemic

Name	Time Period	Type
Third Plague	1885	Yersinia pestis bacteria / rats, fleas
Yellow Fever	Late 1800s	Virus / Mosquitoes
Russian Flu	1889-90	H2N2 Avian origin
Spanish Flu	1918-19	H1N1 Virus / Pigs
Asian Flu	1957-58	H2N2 virus
Hong Kong Flu	1968-69	H3N2 virus
HIV/AIDS	1981-Present	Virus / Chimpanzees
Swine Flu	2009-10	H1N1 virus/ Pigs
SARS	2002-03	Corona Virus / bats, Civets
Ebola	2014-16	Ebola virus / wild animals
MERS	2015-Present	Corona virus / bats, camels, human

Source: World Economic Forum (2020)

The global economic furnish slashed India’s progression reckon for FY21 to 1.9% from 5.8 percent estimated in January, a word that the “worst collapse since the extreme Depression” will dwarf the cost-effective injures caused by the macroeconomic disaster a decade back. It believed that India and China would be the no more than two main economies expected to record growth, with every one of others contracting. The Covid-19 deadly disease will cower earth output by 3 percent in2020, IMF held in the April keep posted of its WEO, the elementary after the amount of the eruption became clear. Similarly, the Domestic rating bureau declines its projections for India’s profitable progress degree to 1.8 apiece cents, from 3.5 for each cent it had ahead predicted for 2020-21. Moody’s Investors Service also slashed the India intensification forecast for calendar day 2020 to 0.2 apiece cent, from 2.5 for each cent projected in March. For 2021, the rating help expects India’s enlargement to jump back to 6.2 percent (Broduer, 2020).

Data Analytics for Pandemic

For communicable diseases like COVID-19, young diagnosis and management without any slow up are main and necessary, if not barely does the tolerant produce a result as a reservoir, rise the attempt of the infection transmission and smooth out of the disease meaningfully but besides its disease course of action and usefulness are pretentious. Numbers, in brief have shaped a unique pool of records articles important to the ongoing attack against the COVID-19 pandemic.

Table 2

	India	Tamilnadu	Coimbatore
Confirmed	1,04,50,284 ↑18,645	8,25,537 ↑ 761	53,049
Active	2,23,335 ↓ 855	7,304 ↓ 128	712
Recovered	1,00,75,950 ↑ 19,299	8,06,018 ↑ 882	51677
Deceased	1,50,999 ↑ 201	12,215 ↑ 7	660

Source: mygov.in

In this period, the number of new cases enlarged from 12,733 to 34,336 all over the world. The stream took a position notwithstanding the country essence under a precise nationally lockdown, with the command inexorably looking for the cheer on of its policies from the people. The information is especially informative for community health officials, group scientists, and policymakers because it helps to see how individuals have a propensity to cooperate with the COVID-19 interconnected information and which sources are practical even as communicating their respective messages. The Universal Health Emergency, this dataset can be old to give rise to clued-up decisions regarding formulating emergency exchange of ideas strategies in the kindle of any to an opportunity health crisis.

Preventive Measures taken by Government

Even though the virus scored globally, the rule took practical actions to influence its range in India. It conducted arduous screenings and mandatorily quarantined incomings globally travelers and, besides categorically floating every one visa, except for diplomats and employment, till April 15. Every

part of cross-national limitations was sealed, and a railway operation was suspended. Altogether schools, gyms, malls, clubs, hotels, district halls, etc., were shut. But awaited the enlarged expose of the expansion of the virus, on March 24, the prime minister announced a carry out 21-day lockdown for the complete nation, banning introduce somebody to an area to change out of their houses. This act, thus, cruelly controlled the district increase of the virus. However, the downside is that the lockdown is probable to cut off added than Rs.10 lakh crores from the Indian Economy. To limit the rising panic and deliver viable information, the regime provides authentic in order on the virus, its spread, preventions, guidelines, helpline numbers, registered cases, fatality tools, etc (Ministry of health's official website). The administration has designed 72 centers across the country for the diagnosis and medicine of COVID-19. As for each of the WHO estimate, nearby be supposed to be 3beds/1,000 people. Thus, to endow extra isolation wards, the direction converted 20,000 plus railway coaches into isolation stations. Meanwhile, the center has moreover ramped p steps to build o a vaccine for the pandemic. On the other hand, the RBI (Reserve Bank of India) undertook tragedy procedures critical innumerable awareness tariff to a profile subtle to expand liquidity in the family by over Rs. 3.7 lakh crores. It besides controlled a three month EMI freeze from banks and financial institutions as surge as provided relief for taxpayers by deferring the ITR and GST filling dates until June 2020. Moreover, to prevent low-income households, nomadic staff and day after day wage laborers deal with the situation, the authority has issued relief packages worth Rs. 1.7 lakh crores for groceries and give orders notes transfers, opened shelter homes, and other securities. The Indian administration is leave-taking no take the stones out of unturned in battling Coronavirus. However, whether or not the command has lucratively controlled the reach of COVID-19 in the country.

Policy Suggestions

In attendance is an urgent want to bring pressing steps to not individual hold the unfold of the virus and deliver a good number exaggerated sectors of the industry. With rough events by now been announced by the government, quite a few other industries, as well

as auto, aviation, tourism, and warmth, are expecting a complete specific economic relief (Mondal, 2020). A micro virus has windswept wealth and decomposed financier confidence, slowed-down exclusive intake and investment, disrupted workplaces and distorted markets. Lucrative appraisal 2019–2020 had laid out a mean to promote exports of exchange ideas products, to integrate ‘assemble in India for the world’ into command somebody to in India and to make 40 million jobs by realizing the ambition of a 5 trillion cost-cutting by 2025 (Economic Survey 2020).

Conclusion

The coronavirus disease continues to increase across humankind next to a path that is tough to predict. The health, caring and socio-economic policies adopted by countries will control the rate and dilution of the recovery. The World Health Organization (WHO) affirmed the novel virus outburst “a shared health crisis of global concern” on January 30. On March 11, 2020, after sustained reach of the disease outside china the humankind health corporation confirmed the COVID-19 increase in a pandemic. Inclusive cooperation, collaboration and investment are required to guarantee a safer future. The hazard of the universal depression suitable to COVID-19 in 2020 and 2021 would be high. Covid-19 has posed a first-time challenge for India. Known the bulky dimension of the population, the risky side of the economy, mainly of the economic sector in the pre-COVID-19 period, and the economy's dependence on informal labor, lockdowns and other party division events would be hugely disruptive. The mid and position governments allow predictable the challenge and produce responses but this answer must be completely the beginning. The course of action makers hardship to be geared up to climb up the reaction as the dealings display as a result as to minimize the bang of the shock on equally the smart and informal sectors and floor the road for a V-shaped recovery. At the unchanged time, they have to guarantee that the responses continue enshrined in a rules-based framework and ceiling the application of discretion in class to escape long-term hurt to the Economy (Pradeep Kumar, 2020).

References

- Baldwin, Richard, and Beatrice Weder di Mauro. *Economics in the time of COVID-19*. 2020.
- Biswas, Soutik. "Coronavirus: Why is India testing so little?" *BBC News*, 2020.
- Centre for Monitoring Indian Economy, www.cmie.com
- "Coronavirus: The First Three Months as it Happened." *Nature*, 2020, <https://www.nature.com/articles/d41586-020-00154-w>.
- COVID-19 Government Measures Dataset, <https://www.acaps.org/covid19-government-measures-dataset>
- "COVID-19 pandemic in India." *Wikipedia*.
- Das, Sourish. "Prediction of COVID-19 Disease Progression in India: Under the Effect of National Lockdown." 2020.
- Dhatrik, Swapnil P. "The Socio- Economic Impact of Covid-19 or Corona Pandemic in India." *Shanlax International Journal of Arts, Science and Humanities*, vol. 8, 2020, pp. 84-88.
- Di Gennaro, Francesco, et al. "Coronavirus Disease, Current Status and Future Perspectives: A Narrative Review." *International Journal of Environmental Research and Public Health*, vol. 17, 2020.
- Fairlie, Robert W., et al. "The Impacts of Covid-19 on Minority Unemployment: First Evidence from April 2020 CPS Microdata." *NBER Working Paper 27246*, 2020.
- Gans, Joshua. *Economics in the Age of COVID-19*. The MIT Press, 2020.
- Garrett, Thomas, A. *Economic Effects of the 1918 Influenza Pandemic*. Federal Reserve bank of St. Louis, 2007.
- Garrett, Thomas A. *Economic Effects of the 1918 Influenza Pandemic*, Federal Reserve Bank of St. Lucis, 2007.
- Harapan, Harapan, et al. "Coronavirus Disease 2019 (COVID-19): A Literature Review." *Journal of Infection and Public Health*, vol. 13, no. 5, 2020, pp. 667-673.
- Heymann, David L., and Nahoko Shindo. "COVID-19: What is Next for Public Health?" *Lancet*, vol. 395, 2020, pp. 542-545.
- Impact of COVID 19 on the Indian Economy*. FICCI, 2020.
- "Is India Entering Stage 3 of Covid-19 Outbreak?" *India Today*, 2020.
- Jayaselvi, S. "COVID-19: An Overview of Economic Waves on Indian Economy." *Shanlax International Journal of Economics*, vol. 8, no. 3, 2020, pp. 114-119.
- Koley, Tapas Kumar, and Monika Dhole. *The COVID-19 Pandemic: The Deadly Coronavirus Outbreak*. Routledge, 2020.
- Kumar, Pradeep, and Tushar Kant. *The Economic Impact of Covid 19 with Special Reference to India (as on 01.05.2020)*, 2020.
- LePan, Nicolas. "A Visual History of Pandemics." *World Economic Forum*, 2020.
- "New Cases of COVID-19 in World Countries." *John Hopkins University*, <https://coronavirus.jhu.edu/data/new-cases>
- Novel Coronavirus (2019-nCov), Situation Report 1 - 21 Jan 2020*. WHO, 2020.
- OECD Economic Outlook*, 2020.
- Pohit, Barun. "Economic Cost of the Lockdown." *The Pioneer*, 2020.
- Press Information Bureau, Government of India, <https://pib.gov.in>
- Watkins, John. "Preventing a COVID-19 Pandemic." *BMJ*, 2020.
- World Economic Outlook Reports, International Monetary Fund, 2020.
- [dopt.gov.in/sites/default/files/11013_9_2014_EsstAIII_19032020_English.PDF](https://www.dopt.gov.in/sites/default/files/11013_9_2014_EsstAIII_19032020_English.PDF)
- <https://www.covid19india.org>
- <https://www.worldometers.info/coronavirus/countries-where-coronavirus-has-spread>

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