Response and Coping Measures of Various Countries to Attenuate the Spread of Covid-19

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Abstract:
The headlines of the year, the coronavirus pandemic is caused by the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) also popularly known as covid-19. The news of the outbreak first originated from Wuhan, China in 2019 December. The modes by which the virus can spread are various, including small droplets released into the surrounding on coughing sneezing or talking. These small droplets land on various surfaces or any object known as fomites and in some cases can also remain in the air as suspended particles infecting many others breathing the same. On touching these contaminated surfaces, most people acquire the virus on their hands which can enter the body when these unwashed hands are bought to face. The virus is capable of spreading throughout the course of infection or even before one has developed symptoms but it is the most communicable during the first three days of infection. In some cases, patients may remain asymptomatic but can still spread the virus to other healthy contacts.
The virus is manifested in the form of influenza-like symptoms mostly as fever and cough. Some also complain of shortness of breath and loss of sense of taste and smell. Complications can occur like pneumonia with severe shortness of breath and also acute respiratory distress syndrome. The incubation period, which is the time taken for the symptoms to appear from the day of entry of the virus into one's symptoms is 5 days but can also range from around 2 to 14 days. Vaccines and definitive treatment are still undergoing human trials but none are known to show any proven cure. Primary treatments is symptomatic and supportive therapy.

Keywords: lockdown, social distancing, economy, confirmed cases

Introduction:
Confusion, fear, anxiety and grief strive in every bylane and compound of all countries. Our world battles against an invisible enemy, making geveryefforttosurvewiththishazardousvirus. Our televisions, social media, newspapers and even our phone call conversations are flooded with devastating news about corona. And the common emotion that we all face is terror. The issue faced by everyone is how to respond and manage oneself in this stressful situation which has taken over our lives and communities rapidly. Countries all around the world are taking the best measures to halt the coronavirus outbreak. And to best measure to halt the coronavirus outbreak, the Chinese government took the first major action. By the 22nd of January, the entire number of confirmed cases had spiked to 581 throughout the world, of which 571 were from China and 375 of which were from Hubei province.[1]. The Chinese government believed that it is as serious as a financial crisis and chose it to prioritize the people's lives. The Chinese were the first to take the initiative to control the spread of the virus. The Chinese government implemented lockdowns and restricted the movement of people, which ultimately helped to control the spread of the virus.}

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daily essential needs and all the medical equipment were constantly supplied to the city. The ability to treat the many affected by the pandemic was also significantly increased by the hundreds of medical teams with thousands of medical staff who volunteered from other provinces to help the disease struck city between 25 January to 9 March. Within 10 days, a few COVID-19 specialized hospitals with established 5G systems, hospital families and 3,000 beds were set up to treat people with mild symptoms. As an additional measure, all the 14 million residents of Wuhan were screened to identify all those infected. However, according to a study performed in the Wuhan city, there was a major time gap between the appearance of the first few symptoms and the establishment of the final diagnosis was 20 days [3].

The lockdown measures were then slowly followed by the entire country. In a study carried out by Wei et al., it was stated that after 14 February 2020, the virus transmission differed from previous results due to the implementation of universal symptom surveys [4]. Wearing a facemask, avoiding unnecessary travel, social activities, and maintaining normal body temperature were made compulsory for anyone having access to any public area. Additional measures were taken by the Chinese government like delaying activities involving large crowds and also by extending the holiday of educational institutions and work places by further extending leave [5]. Those people with symptoms were then transported to the Covid Hospitals of Wuhan in negative pressure ambulances for their further management. Chinese government strongly believed in norms like transparency of information, employing apt anti-epidemic measures and to make sure that there is an availability of all necessary medications and equipment. The residents showed strong dedication in abiding by the newly imposed guidelines and restrictions by the government. There was a huge demand for masks and personal protection equipment, which were required on a large scale. As a measure to relax the questions of the large scale personal protection equipment, the government had even passed a decision stating that it would economically cover the losses of all the face mask producers. Secondly, the government also prohibited any sudden hype in price through strict regulations. It also later setup various hotlines to register any consumer complaints and in no time, the Chinese producers were soon competent enough to meet its peoples demands and even to supply other countries. In no time, the result was seen. By 23rd March 2020, the rate of domestic transmission of virus was greatly reduced. It had also begun a systematic continuation of work and production, and at the same time, taking all the measures to prevent domestic rebound in infections. Since 8 April 2020, even Wuhan has come back to normal with minimal transmission.

**United States:**

After China, the United States was among the majority hit countries by the COVID-19 infection. A public health emergency was announced on 21 January 2020 after the confirmation of the first case in the country arrived. Following this, the US government and embassy immediately declared the highest level 4 travel advisory, restricting its people to travel to China. In the month of June, 020, US has the highest number of confirmed cases...
as reaching a peak of about 2,996,000 affected. According to the data decoded, as of July 13, 2020 more than 3.3 million U.S. residents were diagnosed with Covid-19 of which 135,000 had died [6]. The US government had announced early a severe state of emergency in the middle of January to avoid imports from the other infected areas, by prohibiting travel strictly, and also by evacuating all the US citizens who were present in other countries which were stuck by the coronavirus. On the 4th March 2020, the United States passed a $8.3bn emergency bill to combat the virus. The government had announced early measures to control the virus. In the beginning, it was considered that India had the virus well in control within its boundaries due to the implications of lockdown and social distancing [9], but, on the contrary once the cases were rising, the Public and Central will be US$150 billion, to compete with the economic crisis due to Covid-19. The volume of the fundswastosupport the most vulnerable population, release of the labor law to some extent to maintain the citizen's jobs, which was mainly meant for all the daily age workers and other small scale workers, as an extension or the payment of tax, and various other small and medium sized companies.

India:
India, being the second most populated city in the world stands as the third most affected country by coronavirus with 769,052 confirmed cases. India on Match 12 confirmed its 73rd case of novel coronavirus, with Kerala reporting the most number of confirmed cases according to the Ministry of Health and Family Welfare. The initial three cases of the novel coronavirus happened on the 30th January and 3rd February in Kerala as they had come back from Wuhan, China [7]. On their return, they were quarantined for a period of 14 days. Narendra Modi, the prime minister of India announced a nation widejanta curfew for 14 hours [8]. A nation wide lockdown was observed from 25th March 2020 till the 31st May 2020. A ban was imposed on people from stepping out of their homes throughout this period and all the services except for pharmacies, hospitals, banks, groceries and other necessary services. All the commercial and private establishments were closed and all educational, training and research institutions were suspended. The ban was also applicable on all places of worship and non-essential public and private transport. In the beginning, it was considered that India had the virus well in control within its boundaries due to the implication of lockdown and social distancing [9], but, on the contrary once the cases were rising, the Public and Central will be US$150 billion, to compete with the economic crisis due to Covid-19. The volume of the fundswastosupport the most vulnerable population, releaseof the labor lawsto
second batch was also evacuated after this and the heir health condition was monitored daily. The governmental took measures to evacuate the citizens stranded in Iran. A few governmental organizations, including the National Pharmaceutical Authority, were involved in猜供应 and also to keep in constraint and corrupted or illegal activities. From the 4th March 2020, screening was made compulsory at all airports in the county throughout. Thermal screening was mandated at 21 airports across the country. At the same time, screening measures were also established around 10 major seaports and 60 minor seaports. The NIV (National Institute of Virology) and around 50 other laboratories under the Indian Council of Medical Research’s (ICMR) Viral Research and Diagnostics Laboratories network had all the required basic instruments required for testing the citizens presenting with symptoms. The NIV lab of Pune also was established very early with covid testing and next generation sequencing measures. Also, ICMR advised to conduct ECG (palpitations, chest pain syncope) during the course of prophylaxis [11]. The DGFT later had established a ban on the export of any personal protection equipment such as respirators, masks and other equipment of safety. On the 31st January 2020, despite the massive population and diversity, India continued to fight against the invisible virus with utmost courage with all its medical healthcare workers at the frontline. From the industrial point of view, India has grabbed its advantage particularly in the pharma industry, where India depends on 70% pharmaceutical ingredients [12]. For the purpose of building back the Indian economy, the government has even taken an initiative of spending a $266 billion package which can improve 4% of the GDP [13].

Russia:
At the fourth place lies Russia with around 700, 000 confirmed cases in July. Since March 2020, the Russian authorities took various measures to reduce the effect of COVID-19 on the Russian economy. The health system of Russia has improved a great deal by improving its disease surveillance system and also initiated rapid increase in testing to ensure an orderly monitoring of the spread of disease. A crucial pre-condition for the present health issue can be deeply connected to the historical legacy of Semashko health system [14]. The number of tests possible in a day increased from an initial 2,200 per day at the beginning of crisis to 216,500 per day on May 11, 2020. Soon the passage of foreigners through the Russian-Polish and Russian-Norwegian land borders was suspended [15]. Other measures taken include widespread testing, which was combined with contact tracing and the isolation of patients with COVID-19 and designated health institutions’ severe nthomases [16,17]. New hospitals were also set up in some regions which included few temporary hospitals for patients with mild symptoms.

Discussion:
To stop the disease from further spreading, the theme of all countries. Todiagnose the positive patients in the countries needed a test, trace and then isolate the infected. This has proved to be highly efficacious in decreasing the spread of the deadly virus, and the results had proved to be even better if these efforts are started earlier [19-22]. Countries across the globe have introduced various kinds of social distancing measures and month of lockdown contain the virus, including both the developing and the developed nations [23-25](what is known as “flattening the curve”). Nations introduced various testing measures on large scale to identify the infected, the contact were immediately quarantined to prevent the spread, health facilities were made available everywhere so that all the people, human resources were wisely used in different aspects to
contain the virus (South Korea, China, Singapore). In some areas, telemedicine and health have also facilitated the success of health services. Establishment of a cooperative environment among the various nations will be important, aiming to maximally utilize all the available resources and utilities, transport, energy and telecommunication modalities. Public-private cooperation along with the citizens cooperating themselves and with the governments is extremely crucial. Civilian awareness and their voluntary participation in every aspect aiming at containing the virus, stopping the spread and saving the people is very essential.

Conclusion:

The world that will emerge from the pandemic will be all countries together leaving behind all its anti nationalistic policies and coming out as more closed off bunch than before. The immediate ended of the hour is rapid and systematic nation wide cooperation without which we the krona crises may not end.

The governments have not been able to show effective cooperation among each other. Financial and economic crises are not just due to lockdown, but also because of the developed world's completion for trade and supplies.

The governments will soon be required to reinforce the economic condition and achieving this will be next to impossible with a large scale international cooperation and coming as one to win this war against the virus.

The first crucial element of a COVID-19 exit strategy is testing and identifying every individual suffering from the disease. This will require testing kits and equipment made available to every nook and corner of the nation. Ventilators, masks and access to emergency treatment and equipment is also crucial. A second component of an exit strategy is widespread disease surveillance and control. Most countries, including India, are now using a non-lined databases system to keep a continuous count of the number of people affected and being treated / recovered from the disease. However, the asymptomatic and undiagnosed population still remain unaddressed.

Third, a global COVID-19 exit strategy aims at providing an appropriate vaccine for the people. On the brighter side, international scientific cooperation is increasing the pace of progress toward developing one. Finally, the major effect of this pandemic is on the weaker and poorer sections of our society and its up to the governments of different country to effectively manage this crisis and uplift its society from the wrath of the pandemic.

The COVID-19 pandemic puts up an uncalculable threat to the health of nations and people, as well as the wealth of every country. Only by putting aside nationalistic rhetoric and promoting stronger international cooperation, will the governments be able to come out successful from this war against the virus. Its citizens from the deadly virus.

References:


