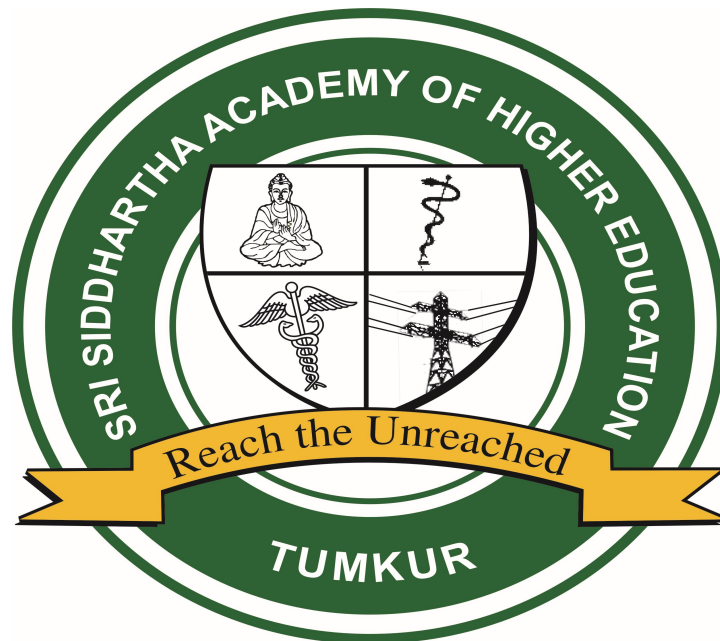


Sri Siddhartha Academy of Higher Education



COVID -19: BULLETIN:- 5

28/05/2020

Under the **Guidance** of Honorable Vice Chancellor Dr. Balakrishna Shetty P, Sri Siddhartha Academy of Higher Education has prepared COVID-19 Bulletin.

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POLITICAL SCENARIO

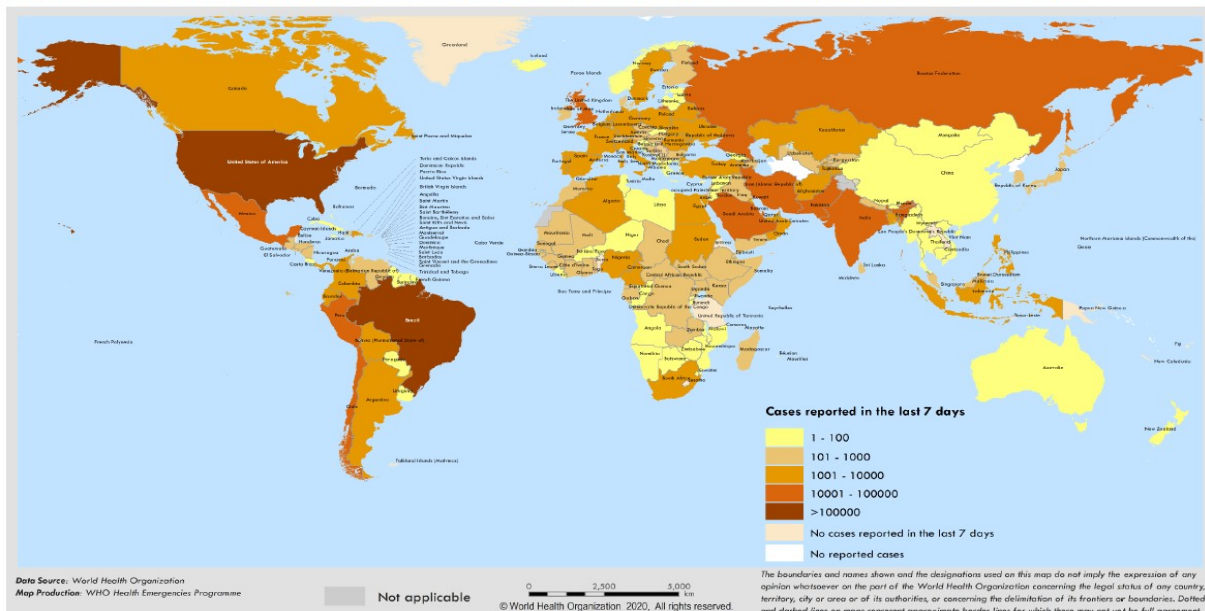
USA
<ul style="list-style-type: none">• President Trump called on states to allow places of worship to open immediately and threatened to “override” any governors who do not comply with his demand.• NCAA allows voluntary athletic activities in all Division I sports starting June 1.
SPAIN
<ul style="list-style-type: none">• Thousands of cars and motor-bikes honking horns and waving Spanish flags drove in procession through Madrid as nationwide protest called by the far-right Vox party.• Spain to Begin Easing COVID-19 Restrictions in Madrid, Barcelona.
ITALY
<ul style="list-style-type: none">• Italian Prime Minister Giuseppe Conte urged for more women to be included on committees advising his government in the management of the coronavirus crisis.• The appeal to common sense hasn’t worked’: Italian politicians alarmed as huge crowds flock to bars and beaches.
FRANCE
<ul style="list-style-type: none">• French watchdog warns about use of Donald Trump-backed coronavirus drug.• Education Unions Oppose French Government's Reopening Strategy.
GERMANY
<ul style="list-style-type: none">• The German government has announced a series of reforms of the meat industry, as slaughterhouses have emerged as coronavirus hotspots.• More than 40 churchgoers who attended a service after lockdown was eased in Germany earlier this month have contracted coronavirus.
UK
<ul style="list-style-type: none">• A junior minister in Boris Johnson's Cabinet resigned from his post in protest against the UK Prime Minister's support of his top aide, Dominic Cummings, over a perceived breach of the strict stay-at-home COVID-19 lockdown rules.• UK Chancellor Rishi Sunak on Tuesday warned that Britain's economy was headed for a "severe recession.
RUSSIA
<ul style="list-style-type: none">• Russia on Tuesday denounced President Donald Trump's threat to pull the United States out of the World Health Organization over its handling of the coronavirus pandemic.• Russia may be forced to put off a public vote on amendments allowing Vladimir Putin to hold office potentially until 2036.
CHINA
<ul style="list-style-type: none">• Eyes on global political state: China offers assistance to nations seeking international aid amid COVID-19 crisis.• China has directed its armed forces to “comprehensively strengthen” the training of troops and be prepared for a war amid the Coronavirus pandemic.
INDIA
<ul style="list-style-type: none">• PM Narendra Modi discusses the coronavirus situation with Sri Lankan Gotabaya Rajapaksa and Mauritius Prime Minister Pravind Jugnauth.• India is seeking to lure US businesses, including medical devices giant Abbott Laboratories, to relocate from China.• Future actions to stimulate the economy will depend on how COVID-19 crisis pans out, FM Nirmala Sitharaman says.• COVID-19 vaccine development at an early stage in India; breakthrough unlikely within a year, experts say.

EPIDEMIOLOGY SCENARIO

Highlights of this week

- WHO Regional Director for the Americas Dr Carissa F. Etienne highlighted that addressing COVID-19 will require **protecting vulnerable groups** including women, underprivileged populations, indigenous populations and migrants, by addressing health, social and economic inequalities.
- The **World Day for Cultural Diversity for Dialogue and Development**, celebrated every year on **21 May**, is an opportunity to celebrate not only the richness of the world's cultures, but also the importance of cultural competency and intercultural dialogue within healthcare systems. It also reminds us that public health efforts against the COVID-19 pandemic require a whole-of-society approach and must include vulnerable populations such as refugees and migrants in national plans and strategies
- According to data collected by the World Health Organization, UNICEF, GAVI and the Sabin Vaccine Institute, provision of **routine immunization services is substantially hindered** in at least 68 countries as COVID-19 disrupts routine vaccination efforts and is likely to affect approximately 80 million children under the age of 1 living in these countries.
- Building on these partnerships with International Civil Aviation Organization ICAO and International Air Transport Association IATA, a **collaborative document providing guidance on the repatriation of COVID-19 human remains** by air has also been issued. This was prepared in collaboration with US CDC, a WHO Collaborating Centre for Bio safety and Bio security, to which WHO provided technical expertise in relevant subject matters, including biological safety, points-of-entry, risk assessment, and infection prevention and control.
- **Repatriation** in this context is defined as the transportation of human remains of COVID-19 infected cases from one country to another for burial purposes, at the request of the next-of-kin. The process is complex and requires careful arrangements and proper coordination.

Figure 1. Number of confirmed COVID-19 cases reported in the last seven days by country, territory or area, 16 May to 22 May**



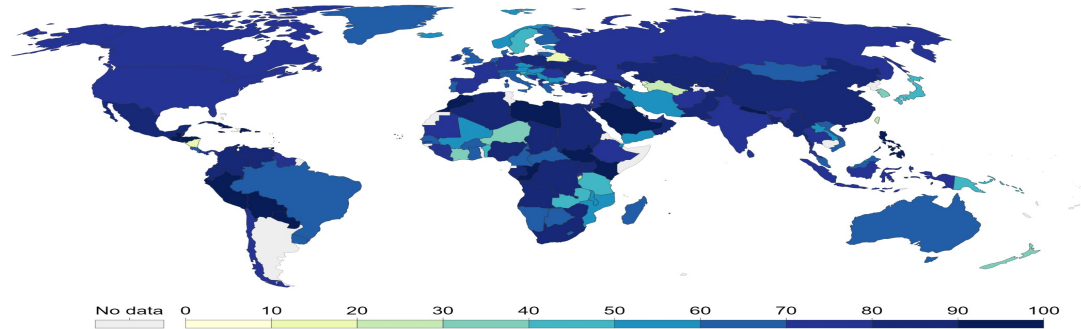
**See Annex 1 for data, table and figure notes.

COVID-19: Government Response Stringency Index, May 25, 2020

Our World
In Data

The Government Response Stringency Index is a composite measure based on nine response indicators including school closures, workplace closures, and travel bans, rescaled to a value from 0 to 100 (100 = strictest response).

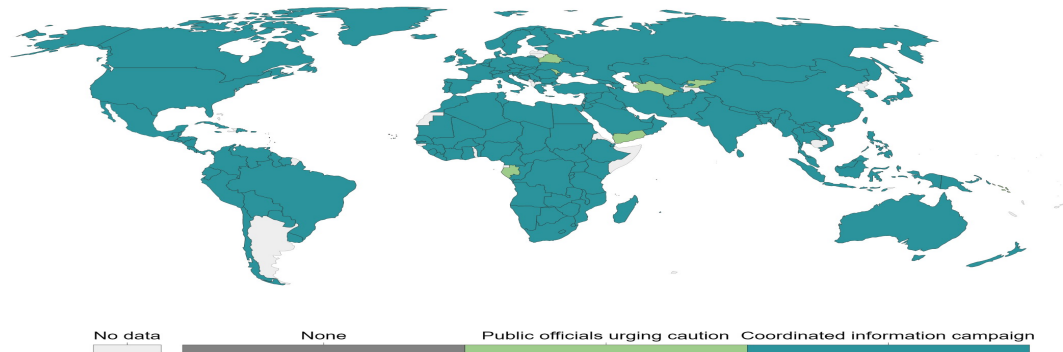
This index simply records the number and strictness of government policies, and should not be interpreted as 'scoring' the appropriateness or effectiveness of a country's response.



Source: Hale, Webster, Petherick, Phillips, and Kira (2020). Oxford COVID-19 Government Response Tracker – Last Updated 26th May. OurWorldInData.org/coronavirus • CC BY

Public information campaigns on the COVID-19 pandemic, May 25, 2020

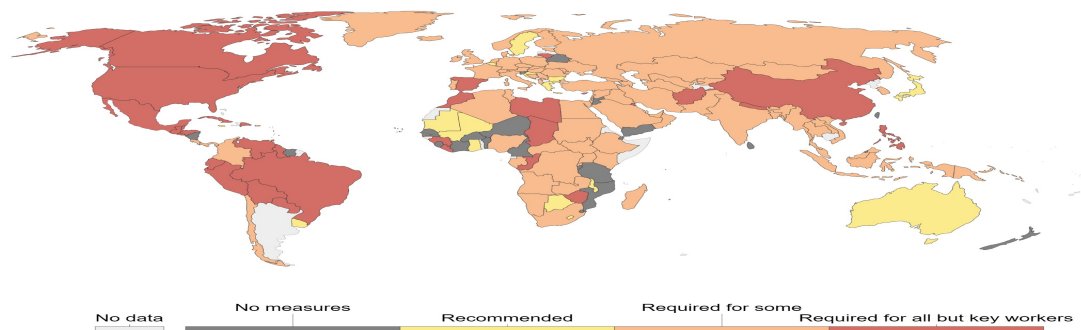
Our World
In Data



Source: Hale, Webster, Petherick, Phillips, and Kira (2020). Oxford COVID-19 Government Response Tracker – Last Updated 26th May. ourworldindata.org/coronavirus • CC BY

Workplace closures during the COVID-19 pandemic, May 25, 2020

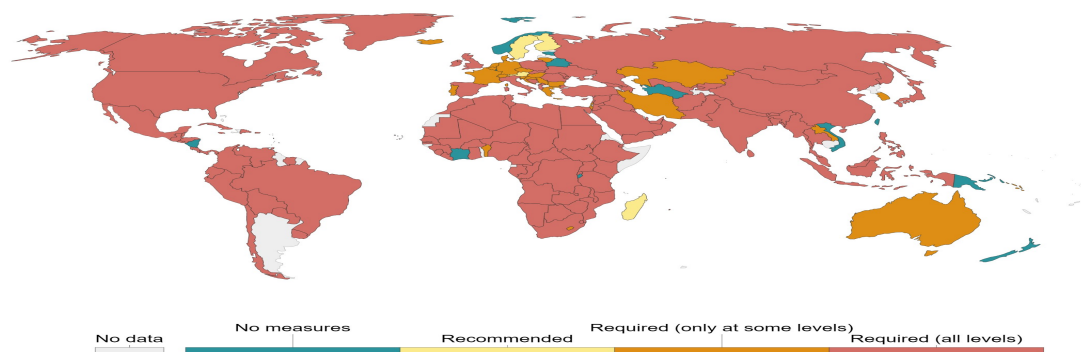
Our World
In Data



Source: Hale, Webster, Petherick, Phillips, and Kira (2020). Oxford COVID-19 Government Response Tracker – Last Updated 26th May. OurWorldInData.org/coronavirus • CC BY

School closures during the COVID-19 pandemic, May 25, 2020

Our World
In Data



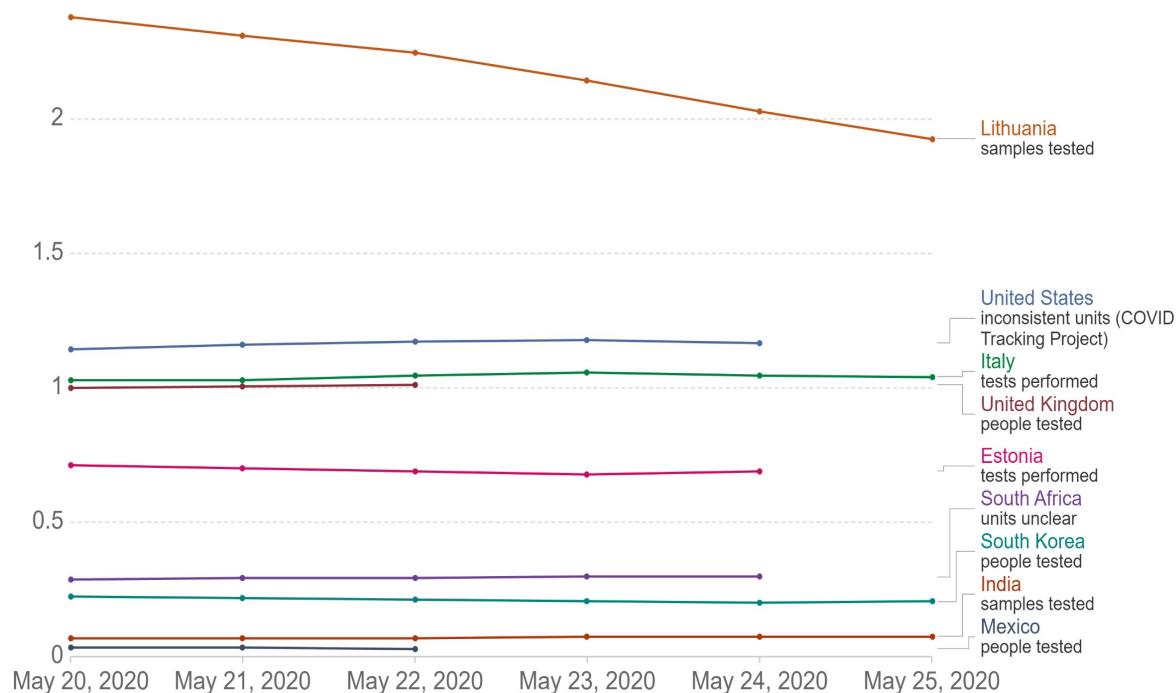
Source: Hale, Thomas and Samuel Webster (2020). Oxford COVID-19 Government Response Tracker OurWorldInData.org/coronavirus • CC BY

LABORATORY TESTING SCENARIO

Daily COVID-19 tests per thousand people

The figures are given as a rolling 7-day average. For countries that do not report testing data on a daily basis, we assume that testing changed equally on a daily basis over any periods in which no data was reported.

Our World
in Data



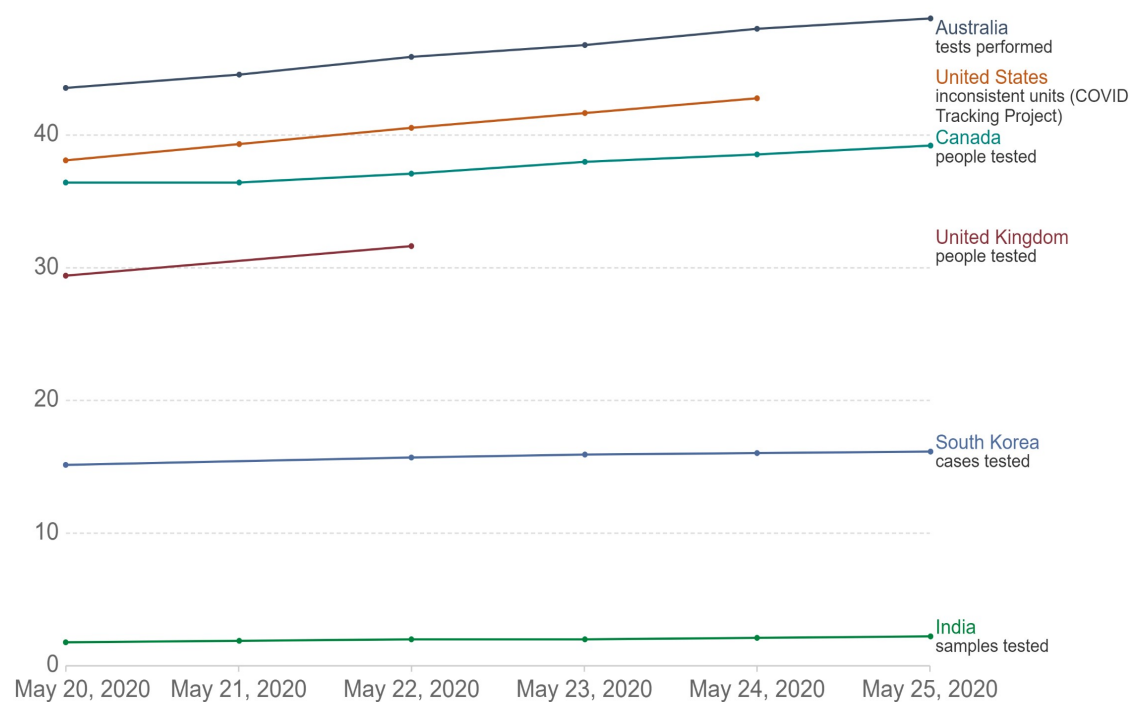
Source: Official data collated by Our World in Data

OurWorldInData.org/coronavirus • CC BY

Note: There are substantial differences across countries in terms of the units, whether or not all labs are included, the extent to which negative and pending tests are included and other aspects. Details for each country can be found at the linked page.

Total confirmed COVID-19 tests per thousand people

Our World
in Data



Source: Official data collated by Our World in Data

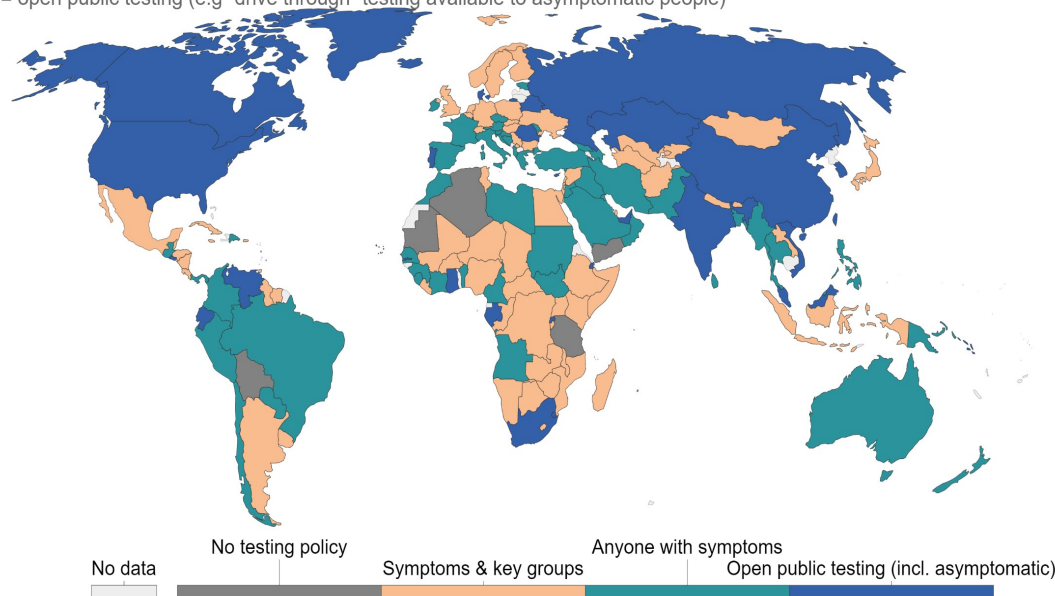
CC BY

Note: For testing figures, there are substantial differences across countries in terms of the units, whether or not all labs are included, the extent to which negative and pending tests are included and other aspects. Details for each country can be found on ourworldindata.org/covid-testing.

COVID-19 Testing Policies, May 25, 2020

COVID-19 testing policies are categories as follows:

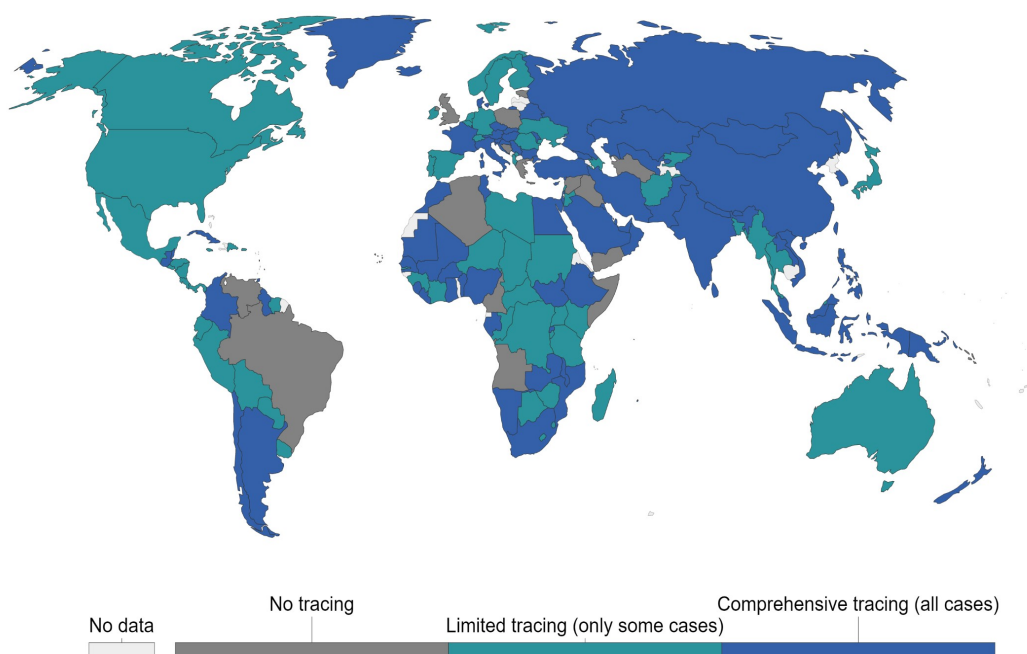
- 0 = No testing policy
- 1 = Only those who both (a) have symptoms AND (b) meet specific criteria (eg key workers, admitted to hospital, came into contact with a known case, returned from overseas)
- 2 = testing of anyone showing COVID-19 symptoms
- 3 = open public testing (e.g "drive through" testing available to asymptomatic people)



Source: Hale, Webster, Petherick, Phillips, and Kira (2020). Oxford COVID-19 Government Response Tracker – Last Updated 26th May. OurWorldInData.org/coronavirus • CC BY

Which countries do COVID-19 contact tracing?, May 25, 2020

'Limited' contact tracing means some, but not all, cases are traced. 'Comprehensive' tracing means all cases are traced.



Source: Hale, Webster, Petherick, Phillips, and Kira (2020). Oxford COVID-19 Government Response Tracker – Last Updated 26th May. OurWorldInData.org/coronavirus • CC BY

THERAPEUTIC SCENARIO

Current Status as far as management of Novel Corona Virus is concerned

- The ICMR revised the guidelines to expand use of this anti-malarial drug as a preventive treatment against coronavirus. Stating that HCQ is relatively safe, when certain contraindications are avoided, the ICMR said it had some beneficial effect as a prophylactic option. However, the drug should be given under strict medical supervision with an informed consent and only on the prescription of a registered medical practitioner. The ICMR said electrocardiogram (ECG) shall be done before prescribing HCQ prophylaxis. The drug should not be recommended for prophylaxis in children under 15 years of age and in pregnancy and lactation
- Anticoagulant therapy mainly with low molecular weight heparin appears to be associated with better prognosis in severe COVID-19 patients meeting SIC criteria or with markedly elevated D-dimer. Pneumonia with respiratory failure represents the main cause of death in COVID-19, where hyper inflammation plays an important role in lung damage. Tocilizumab results to have a positive impact if used early during Covid-19 pneumonia with severe respiratory syndrome in terms of increased survival and favourable clinical course
- Empirical treatment with immunomodulators has worked quickly for severe cases of the multisystem inflammatory syndrome in children (MIS-C) apparently connected to COVID-19. The condition, which has been emerging over the past several weeks in the U.S. and since late April in Europe, bears some features in common with the collection of symptoms that define Kawasaki disease.

Covid- 19 Registered Trails and Analysis

- As there has been to date no effective drugs that can treat COVID-19 so far, the world is putting most of its hope on a possible vaccine. The problem is that by even by expediting protocols and clinical trials, a proper, safe and effective vaccine would still need at least 24 months to develop from the original 4 years.
- As the outbreak of COVID-19 continues to create fear within the medical community, investigating all possible pharmaceutical options is necessary. Several different pharmacological options are constantly emerging and looking into each of the interventions is crucial in attempts to contain the current pandemic. Currently, there are no fully verified antiviral drugs or vaccines that are specific to fighting SARS-CoV-2. Many pharmaceutical approaches being currently explored are those that have been used for various different conditions. The repurposing of these drugs provides hope that a cocktail of drugs currently on the market may appropriately target various steps in the lifecycle of SARS-CoV-2, allowing for the ultimate degradation of the virus. Decreasing the viral load by destabilizing the RNA-dependent RNA polymerase will hinder the replication of the virion, and ultimately, decreasing the infectivity of SARS-CoV-2. Other approaches focus on impairing the fusion of SARS-CoV-2 with the type II pneumocytes ACE2 receptor. Inhibiting fusion prevents any type of destruction of the type II pneumocytes, eliminating any type of infectivity