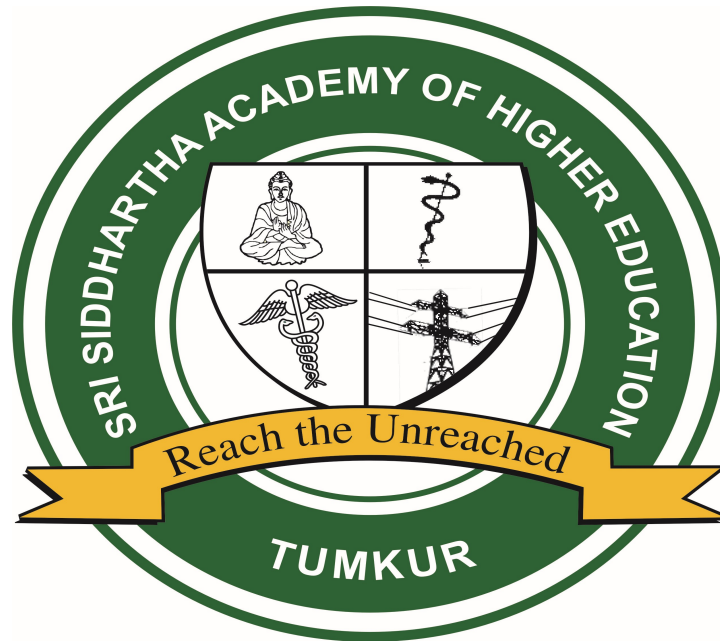


Sri Siddhartha Academy of Higher Education



COVID -19: BULLETIN:- 6

01-06-2020

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

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POLITICAL SCENARIO

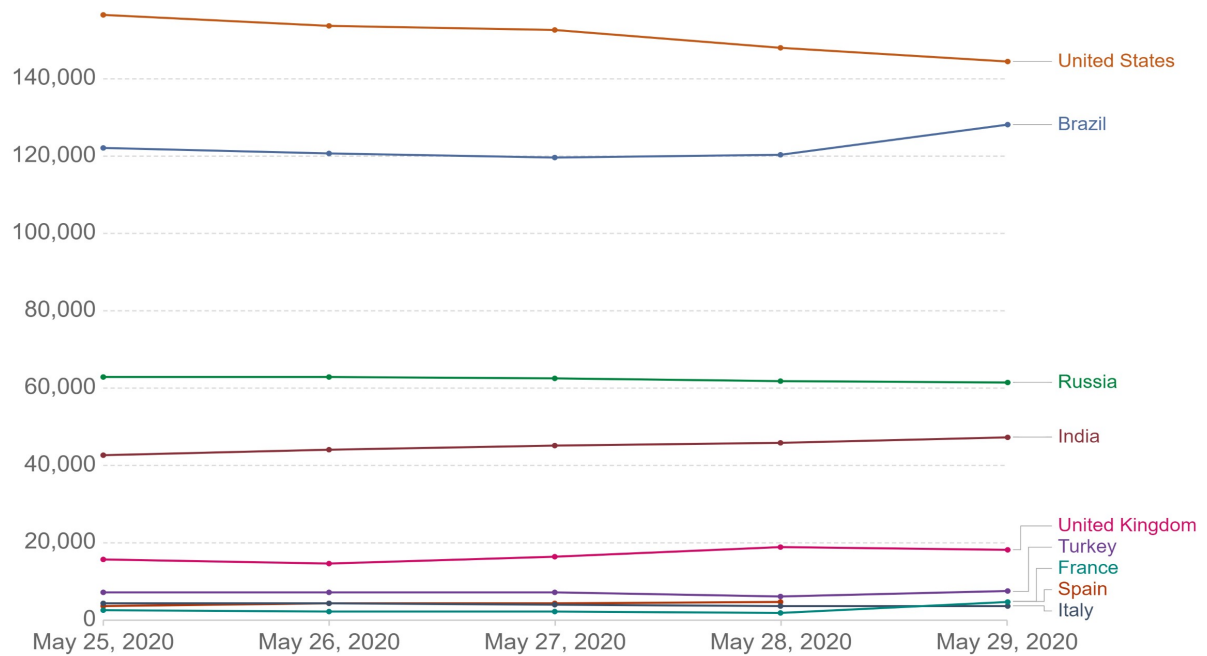
USA
<ul style="list-style-type: none">• US virus toll crosses 1 lakh lockdown in same form must until a vaccine is available.• Trump to sign order on social media.• US Ban Brazil travel over virus surge.
SPAIN
<ul style="list-style-type: none">• Spain deescalating coronavirus measures without testing all suspected cases.• New coronavirus outbreaks in Spain inevitable, warn experts.
ITALY
<ul style="list-style-type: none">• Italy begins nationwide blood tests to study coronavirus antibodies.• Italy seeks 60,000 volunteers to enforce coronavirus rules.
FRANCE
<ul style="list-style-type: none">• French privacy watchdog approves coronavirus tracing app.• France mulls €300 fine for people who drop face masks on the street.
GERMANY
<ul style="list-style-type: none">• Germany set to lift travel warning for 31 countries.• Germany plans to extend social distancing rules until July 5th.
UK
<ul style="list-style-type: none">• Health secretary signals care home review.• Public transport could be reduced to as little as 10% of normal capacity under the phase one plan.
RUSSIA
<ul style="list-style-type: none">• About 50% of Russians have abandoned their vacation plans due to the coronavirus.• Russia's Health Ministry said that 101 Russian medics have died from the coronavirus.
CHINA
<ul style="list-style-type: none">• China has decided to evacuate its citizen includes students, tourists and businessmen from India.• Wuhan lab head calls virus leak claims pure fabrications.
INDIA
<ul style="list-style-type: none">• PM, Shah: Talk lockdown after CMS urge extension.• Domestic flights resume amid chaos and confusion.• Air travel: New SOP mandates 7 days institutional quarantine for international travellers.• Restaurants like to halve their seating capacity.• Karnataka, Bihar have huge rate of virus spread.• India 9th among worst hit countries, ministry says cases spiked with released lockdown rules.• Pandemic planning goes micro ahead of lockdown 5.0• Its community spread no longer a local cluster: experts.• Unlock 1.0: Phased exit from Covid-19 lockdown begins from 01 June

EPIDEMIOLOGY SCENARIO

Weekly confirmed COVID-19 cases

Weekly confirmed COVID-19 cases on any given date measures the change in confirmed cases over the previous seven days; e.g. the figure for 19th May measures the change in confirmed cases from 13th to 19th May.

Our World
in Data



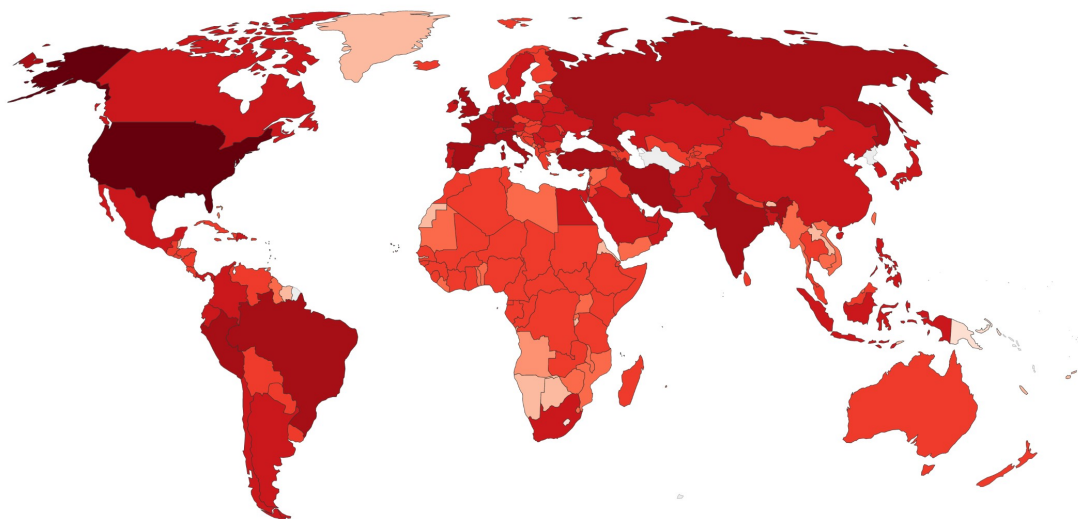
Source: European CDC – Situation Update Worldwide – Last updated 29th May, 11:00 (London time)

OurWorldInData.org/coronavirus • CC BY

Total confirmed COVID-19 cases, May 31, 2020

The number of confirmed cases is lower than the number of total cases. The main reason for this is limited testing.

Our World
in Data



Source: European CDC – Situation Update Worldwide – Last updated 31st May, 10:45 (London time)

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CLINICAL SCENARIO

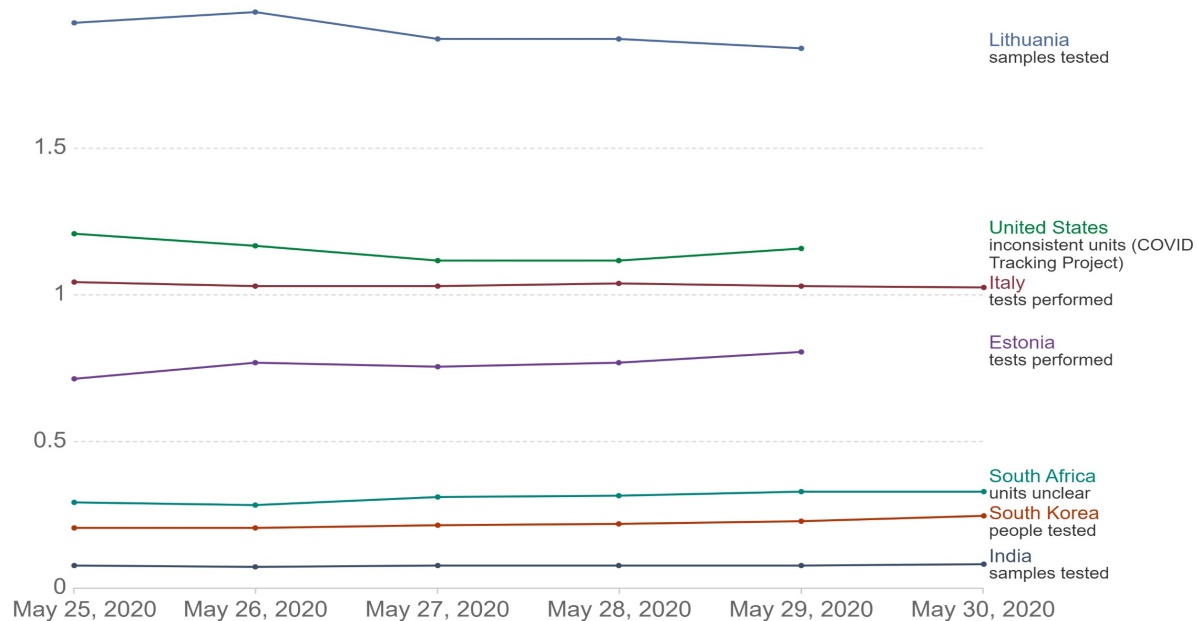
- **The outbreak of coronavirus disease 2019 (COVID-19) may be stressful for people.** Fear and anxiety about a disease can be overwhelming and cause strong emotions in adults and children. Fear and worry about your own health and the health of your loved ones. Changes in sleep or eating patterns. Difficulty in sleeping or concentrating. Worsening of chronic health problems. Worsening of mental health conditions. Increased use of alcohol, tobacco, or other drugs.
- **Ways to cope with stress.**
Take breaks from watching, reading, or listening to news stories, including social media. Hearing about the pandemic repeatedly can be upsetting. **Take care of your body.** Take deep breaths, stretch, or meditate external icon. Try to eat healthy, well-balanced meals. Exercise regularly, get plenty of sleep. Avoid alcohol and drugs external icon. **Make time to unwind.** Try to do some other activities you enjoy. **Connect with others.** Talk with people you trust about your concerns and how you are feeling.
- **Common reactions to COVID-19**
Concern about protecting oneself from the virus because they are at higher risk of serious illness.
Concern that regular medical care or community services may be disrupted due to facility closures or reductions in services and public transport closure.
Feeling socially isolated, especially if they live alone or are in a community setting that is not allowing visitors because of the outbreak.
Guilt if loved ones help them with activities of daily living.
Increased levels of distress if they: Have mental health concerns before the outbreak, such as depression. Live in lower-income households or have language barriers. Experience stigma because of age, race or ethnicity, disability, or perceived likelihood of spreading COVID-19.
- **For people coming out of quarantine**
It can be stressful to be separated from others if a healthcare provider thinks you may have been exposed to COVID-19, even if you do not get sick. Everyone feels differently after coming out of quarantine. Emotional reactions to coming out of quarantine may include: **1.** Mixed emotions, including relief after quarantine. **2.** Fear and worry about your own health and the health of your loved ones. **3.** Stress from the experience of monitoring yourself or being monitored by others for signs and symptoms of COVID-19. **4.** Sadness, anger, or frustration because friends or loved ones have unfounded fears of contracting the disease from contact with you, even though you have been determined not to be contagious. **5.** Guilt about not being able to perform normal work or parenting duties during quarantine. **6.** Other emotional or mental health changes. **7.** Children may also feel upset or have other strong emotions if they, or someone they know, has been released from quarantine.

LABORATORY TESTING SCENARIO

Daily COVID-19 tests per thousand people

The figures are given as a rolling 7-day average.

Our World
in Data



Source: Official data collated by Our World in Data

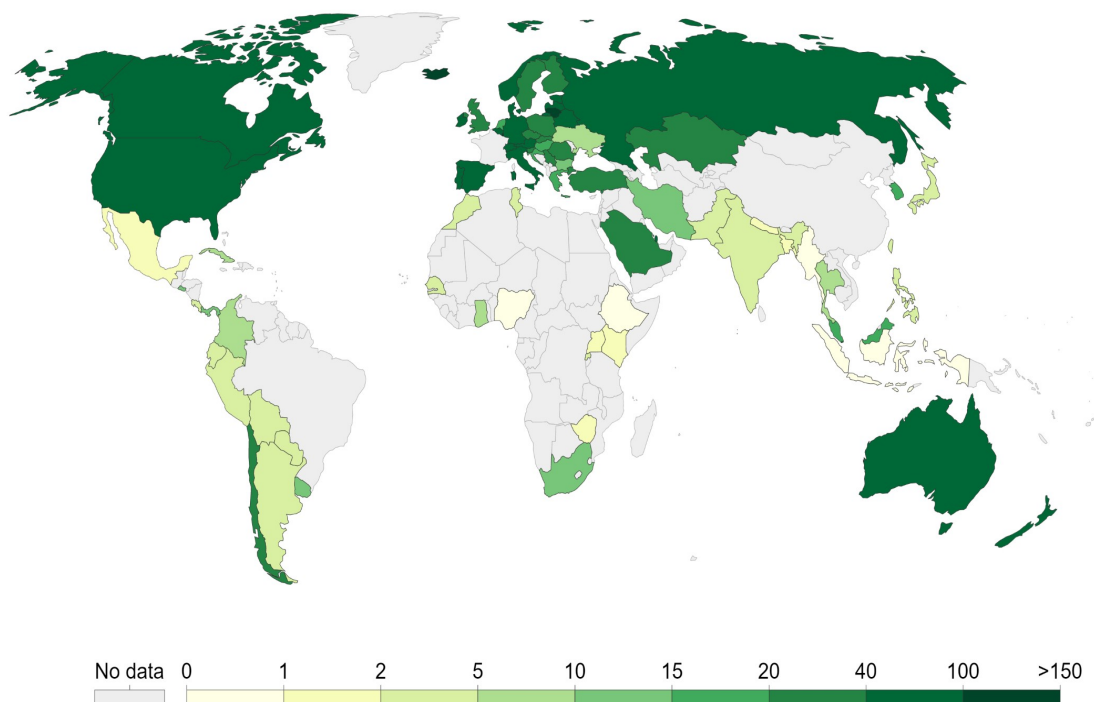
OurWorldInData.org/coronavirus • CC BY

Note: Comparisons of testing data across countries are affected by differences in the way the data are reported. Daily data is interpolated for countries not reporting testing data on a daily basis. Details can be found at our Testing Dataset page.

Total COVID-19 tests per 1,000 people, May 28, 2020

The figures shown relate to the closest date for which we have data, with a maximum of 10 days' difference.

Our World
in Data



Source: Official sources collated by Our World in Data

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Note: Comparisons of testing data across countries are affected by differences in the way the data are reported. Details can be found at our Testing Dataset page.

THERAPEUTIC SCENARIO

Can block Covid-19 infection: Study

PARIS, AFP: an antibody from a patient who recovered from SARS has been shown to block Covid-19 infection in a laboratory setting, researchers said Monday in another potential breakthrough in the search for coronavirus treatment.

Scientists based in Switzerland and the United States previously isolated the antibodies from the patient in 2003, following the SARS outbreak that killed 774 people.

They experimented with 25 different types of antibodies – which target specific protein spikes on viruses -- to see if they could prevent cells becoming infected with Covid-19.

Both SARS and the pathogen which causes Covid-19 are corona viruses, thought to have come from animals, and so their structures are similar.

The researchers identified eight antibodies that could bind to both Covid-19 and the infected cells.

One candidate, known as S309, was shown to have “particularly strong neutralising activity” against Covid-19.

CCMB’s virus culture has potential use in drug testing

A team of researchers at the centre for cellular and molecular biology (CCMB), Hyderabad have isolated infectious Covid-19 virus from several isolates.

CSIR-Centre for cellular and molecular biology has established stable cultures of Covid-19 causing SARS-CoV-2, from patients’ samples, over the last few weeks. This ability to culture the virus in the lab, CCMB said will enable it to work towards vaccine development and testing potential drugs to fight Covid-19.

“Using the Vero cell lines to grow the corona viruses, CCMB is now in a position to isolate and maintain viral strains from different regions. They are working towards producing viruses in huge quantities that can be inactivated and used in vaccine development and antibody production for therapeutic purposes. They have also started testing potential drugs with other partners such as DRDO using this viral culture.

They hope that such systems are replicated at multiple research institutes and private companies to become a useful resource in the fight against this pandemic as well as for future preparedness”, said CCMB director Dr Rakesh Mishra.

Potential uses of cultured SARS-CoV-2 can be in developing vaccines, antibodies or anti-dotes, testing of antibodies, drug screening, testing of various disinfectants and also testing of UV ray instruments, CCMB said in a press release.