Complied & Edited by

INDIAN VIROLOGICAL SOCIETY

OFFICE : F-3 A Block, National Agricultural Science Complex
Dev. Prakash Shastri Marg, New Delhi, 110012
Ph.: 7500777999 | E-mail: secretaryivs@gmail.com
What are CORONAVIRUSES?

Coronaviruses (CoV) are a large family of viruses that cause illness ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-CoV).

What is Novel CORONAVIRUS?

A novel coronavirus (SARS-CoV-2) is a new strain that has not been previously identified in humans.

Origin Or Epicenter?

Wuhan, China

This new virus and disease were unknown before the outbreak began in Wuhan, China, in December 2019.
COVID-19 cases

ACTIVE CASES
1,221,645
Currently Infected Patients
1,171,716 (96%) in Mild Condition
49,929 (4%) Serious or Critical

CLOSED CASES
492,326
Cases which had an outcome:
388,555 (79%) Recovered / Discharged
103,771 (21%) Deaths

Symptoms of COVID-19
Common signs of infection include respiratory symptoms, fever, cough, shortness of breath and breathing difficulties.

In more severe cases, infection can cause pneumonia, severe acute respiratory syndrome, kidney failure and even death.

SOURCE: WHO

Specification
Coronaviruses are zoonotic, meaning they are transmitted between animals and people. Detailed investigations found that SARS-CoV was transmitted from civet cats to humans and MERS-CoV from dromedary camels to humans. Several known coronaviruses are circulating in animals that have not yet infected humans.

Incubation Period
The "incubation period" means the time between catching the virus and beginning to have symptoms of the disease. Most estimates of the incubation period for COVID-19 range from 1-14 days, most commonly around five days. These estimates will be updated as more data become available.
How does COVID-19 Spread?

- People can catch COVID-19 from others who have the virus.
- The disease can spread from person to person through small droplets from the nose or mouth which are spread when a person with COVID-19 coughs or exhales. These droplets land on objects and surfaces around the person. Other people then catch COVID-19 by touching these objects or surfaces, then touching their eyes, nose or mouth.
- People can also catch COVID-19 if they breathe in droplets from a person with COVID-19 who coughs out or exhales droplets.

R&D’s Role in Pandemic?

Developing new tools in response to COVID-19

Cure?

There is no cure yet. Scientists across the world are working to find out the cure and create vaccine & drugs.
Fighting the Pandemic:
Healthcare innovations to combat Covid-19

Diagonstics:
- PCR (Polymerase chain reaction)
- Point-of-care tests

Vaccines:
- Approved
- Clinical trials

Investigational Treatments?
There is no cure yet.
Scientists are working to find out the cure and create vaccine & drugs.

Treatments:
- Phase 1 & 2 trials
- Clinical trials

Precautions:
- Regularly and thoroughly clean your hands with soap and water.
- Maintain at least 1 meter (3 feet) distance between yourself and anyone who is coughing or sneezing.
- Avoid touching eyes, nose and mouth.
- Stay home if you feel unwell. If you have a fever, cough and difficulty breathing, seek medical attention and call in advance.
- Follow the directions of your local health authority.
- Stay informed on the latest developments about COVID-19.
- Keep up to date on the latest COVID-19 hotspots (cities or local areas where COVID-19 is spreading widely). If possible, avoid traveling to places.

Suggested Reading:
- https://mygov.in/covid-19/
- https://www.mohfw.gov.in/

Indian Virological Society