

Dear All,

As coronavirus OR COVID-19 has spread in 70 countries around the world with over 3,000 deaths reported worldwide, India has stayed relatively unscathed. With two new cases reported yesterday, one in the nation's capital and the other in Telangana, the total count of Indian patients tested positive has now gone up to five, a trivial tally when one considers our proximity and close business ties with China, the hotbed of the epidemic.

Please go through the following text for the details of COVID 19 its truths and myths and Prevention.

## **Coronavirus: Don't Panic, Get Informed**

### **What is Coronavirus?**

Coronaviruses are a large family of viruses which may cause illness in animals or humans. In humans, several coronaviruses are known to cause respiratory infections ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS). The most recently discovered coronavirus causes coronavirus disease COVID-19.

### **What is COVID-19?**

COVID-19 is the infectious disease caused by the most recently discovered coronavirus. This new virus and disease were unknown before the outbreak began in Wuhan, China, in December 2019.

### **What is symptoms of COVID-19?**

The most common symptoms of COVID-19 are fever, tiredness, and dry cough. Some patients may have aches and pains, nasal congestion, runny nose, sore throat or diarrhea. These symptoms are usually mild and begin gradually. Some people become infected but don't develop any symptoms and don't feel unwell. Its symptoms mimic Flu like symptoms. Most people (about 80%) recover from the disease without needing special treatment. Around 1 out of every 6 people who gets COVID-19 becomes seriously ill and develops difficulty breathing. Older people, and those with underlying medical problems like high blood pressure, heart problems or diabetes and decreased immunity are more likely to develop serious illness. About

2% of people with the disease have died so depicting that its mortality strike rate is not high. People with fever, cough and difficulty breathing should seek medical attention.

### **How is 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. This is why it is important to stay more than 1 meter (3 feet) away from a person who is sick.

### **Can virus be transmitted by air?**

Studies to date suggest that the virus that causes COVID-19 is mainly transmitted through contact with respiratory droplets rather than through the air.

### **Can COVID-19 be caught by person who has no symptoms?**

The main way the disease spreads is through respiratory droplets expelled by someone who is coughing. The risk of catching COVID-19 from someone with no symptoms at all is very low. However, many people with COVID-19 experience only mild symptoms. This is particularly true at the early stages of the disease. It is therefore possible to catch COVID-19 from someone who has, for example, just a mild cough and does not feel ill.

### **Can I catch COVID-19 from the feces of someone with disease?**

The risk of catching COVID-19 from the feces of an infected person appears to be low. While initial investigations suggest the virus may be present in feces in some cases, spread through this route is not a main feature of the outbreak. WHO is assessing ongoing research on the ways COVID-19 is spread and will continue to share new findings. Because this is a risk, however, it is another reason to clean hands regularly, after using the bathroom and before eating.

### **Protection measures for everyone**

Stay aware of the latest information on the COVID-19 outbreak, available on the WHO website and through your national and local public health authority. COVID-19 is still affecting mostly people in China with some outbreaks in other countries. Most people who become infected experience mild illness and recover, but it can be more severe for others. Take care of your health and protect others by doing the following:

- Regularly and thoroughly clean your hands with an alcohol-based hand rub or wash them with soap and water.  
Why? Washing your hands with soap and water or using alcohol-based hand rub kills viruses that may be on your hands.
- Maintain at least 1 metre (3 feet) distance between yourself and anyone who is coughing or sneezing.  
Why? When someone coughs or sneezes they spray small liquid droplets from their nose or mouth which may contain virus. If you are too close, you can breathe in the droplets, including the COVID-19 virus if the person coughing has the disease.
- Avoid touching eyes, nose and mouth.  
Why? Hands touch many surfaces and can pick up viruses. Once contaminated, hands can transfer the virus to your eyes, nose or mouth. From there, the virus can enter your body and can make you sick.
- Make sure you, and the people around you, follow good respiratory hygiene. This means covering your mouth and nose with your bent elbow or tissue when you cough or sneeze. Then dispose of the used tissue immediately.  
Why? Droplets spread virus. By following good respiratory hygiene you protect the people around you from viruses such as cold, flu and COVID-19.
- 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.  
Why? National and local authorities will have the most up to date information on the situation in your area. Calling in advance will allow your health care provider to quickly direct you to the right health facility. This will also protect you and help prevent spread of viruses and other infections.
- Stay informed on the latest developments about COVID-19. Follow advice given by your healthcare provider, your national and local public health authority or your employer on how to protect yourself and others from COVID-19.  
Why? National and local authorities will have the most up to date information on whether COVID-19 is spreading in your area. They are best placed to advise on what people in your area should be doing to protect themselves.

**Protection measures for persons who are in or have recently visited (past 14 days) areas where COVID-19 is spreading**

- Follow the guidance outlined above. (Protection measures for everyone)
- Stay at home if you begin to feel unwell, even with mild symptoms such as headache and slight runny nose, until you recover.  
Why? Avoiding contact with others and visits to medical facilities will allow these facilities to operate more effectively and help protect you and others from possible COVID-19 and other viruses.
- If you develop fever, cough and difficulty breathing, seek medical advice promptly as this may be due to a respiratory infection or other serious condition. Call in advance and tell your provider of any recent travel or contact with travelers.  
Why? Calling in advance will allow your health care provider to quickly direct you to the right health facility. This will also help to prevent possible spread of COVID-19 and other viruses.

### **How likely am I to catch COVID-19 virus?**

The risk depends on where you live or where you have travelled recently. The risk of infection is higher in areas where a number of people have been diagnosed with COVID-19. More than 95% of all COVID-19 cases are occurring in China, with the majority of those in Hubei Province. For people in most other parts of the world, your risk of getting COVID-19 is currently low, however, it's important to be aware of the situation and preparedness efforts in your area.

### **Should I worry about COVID-19?**

If you are not in an area where COVID-19 is spreading, or if you have not travelled from one of those areas or have not been in close contact with someone who has and is feeling unwell, your chances of getting it are currently low. However, it's understandable that you may feel stressed and anxious about the situation. It's a good idea to get the facts to help you accurately determine your risks so that you can take reasonable precautions.

In IIT Bhubaneswar visit the Medical Unit in case of suspicion.

### **Who are at risk of developing severe infection?**

While we are still learning about how COVID-2019 affects people, older persons and persons with pre-existing medical conditions (such as high blood pressure, heart disease, or diabetes) and those having low immunity appear to develop serious illness more often than others.

### **Is there any vaccine, drug or treatment for COVID-19?**

Not yet. To date, there is no vaccine and no specific antiviral medicine to prevent or treat COVID-2019 but however the scientists are working on it. Those affected should receive care to relieve symptoms. People with serious illness should be hospitalized. Most patients recover thanks to supportive care.

Possible vaccines and some specific drug treatments are under investigation. They are being tested through clinical trials. WHO is coordinating efforts to develop vaccines and medicines to prevent and treat COVID-19.

The most effective ways to protect yourself and others against COVID-19 are to frequently clean your hands, cover your cough with the bend of elbow or tissue, and maintain a distance of at least 1 meter (3 feet) from people who are coughing or sneezing.

### **Should I wear mask?**

People with no respiratory symptoms, such as cough, do not need to wear a medical mask. WHO recommends the use of masks for people who have symptoms of COVID-19 and for those caring for individuals who have symptoms, such as cough and fever. The use of masks is crucial for health workers and people who are taking care of someone (at home or in a health care facility).

WHO advises rational use of medical masks to avoid unnecessary wastage of precious resources and mis-use of mask. Use a mask only if you have respiratory symptoms (coughing or sneezing), have suspected COVID-19 infection with mild symptoms, or are caring for someone with suspected COVID-19 infection. A suspected COVID-19 infection is linked to travel in areas where cases have been reported, or close contact with someone who has travelled in these areas and has become ill.

The most effective ways to protect yourself and others against COVID-19 are to frequently clean your hands, cover your cough with the bend of elbow or tissue and maintain a distance of at least 1 meter (3 feet) from people who are coughing or sneezing

### **Can human be infected with COVID-19 from animal sources?**

Coronaviruses are a large family of viruses that are common in animals. Rarely, people get infected with these viruses which may then spread to other people. For example, SARS-CoV was associated with civet cats and MERS-CoV is transmitted by dromedary camels. Possible animal sources of COVID-19 have not yet been confirmed.

To protect yourself, such as when visiting live animal markets, avoid direct contact with animals and surfaces in contact with animals. Ensure good food safety practices at all times. Handle raw meat, milk or animal organs with care to avoid contamination of uncooked foods and avoid consuming raw or undercooked animal products.

### **How long viruses survives on surface?**

It is not certain how long the virus that causes COVID-19 survives on surfaces, but it seems to behave like other coronaviruses. Studies suggest that coronaviruses (including preliminary information on the COVID-19 virus) may persist on surfaces for a few hours or up to several days. This may vary under different conditions (e.g. type of surface, temperature or humidity of the environment).

If you think a surface may be infected, clean it with simple disinfectant to kill the virus and protect yourself and others. Clean your hands with an alcohol-based hand rub or wash them with soap and water. Avoid touching your eyes, mouth, or nose

### **Is it safe to receive any package from COVID-19 infected places?**

Yes. The likelihood of an infected person contaminating commercial goods is low and the risk of catching the virus that causes COVID-19 from a package that has been moved, travelled, and exposed to different conditions and temperature is also low.

### **Is any thing that I should not do?**

The following measures **ARE NOT** effective against COVID-2019 and can be harmful:

- Smoking
- Taking traditional herbal remedies
- Wearing multiple masks

- Taking self-medication such as antibiotics

**In any case, if you have fever, cough and difficulty breathing seek medical care early** to reduce the risk of developing a more severe infection and be sure to share your recent travel history with your health care provider.

### **Recommendations for international travelers-**

It is prudent for travelers who are sick to delay or avoid travel to affected areas, in particular for elderly travelers and people with chronic diseases or underlying health conditions.

General recommendations for personal hygiene, cough etiquette and keeping a distance of at least one meter from persons showing symptoms remain particularly important for all travelers

Moreover if not essential please avoid travelling to places having cases of Covid 19.

Last but not the least please don't panic and spread misinformation and contact the Medical Unit if you have any doubt regarding the virus or disease.