**Introduction**

Covid is a quick response app that provides up-to-date information on the pandemic virus (CoronaVirus) in real time. The application comes with expert system and cases update on happenings around the world.

**What are coronaviruses?**

Coronaviruses are a large family of zoonotic viruses that cause illness ranging from the common cold to severe respiratory diseases. Zoonotic means these viruses are able to be transmitted from animals to humans. There are several coronaviruses known to be circulating in different animal populations that have not yet infected humans. COVID-19 is the most recent to make the jump to human infection.

**What is Coronavirus COVID-19?**

Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Most people infected with the COVID-19 virus will experience mild to moderate respiratory illness and recover without requiring special treatment. Older people, and those with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness. The COVID-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes, so it’s important that you also practice respiratory etiquette (for example, by coughing into a flexed elbow) The COVID-19 infection is spread from one person to others via droplets produced from the respiratory system of infected people, often during coughing or sneezing. According to current data, time from exposure to onset of symptoms is usually between two and 14 days, with an average of five days.

The best way to prevent and slow down transmission is be well informed about the COVID-19 virus, the disease it causes and how it spreads. Protect yourself and others from infection by washing your hands or using an alcohol based rub frequently and not touching your face.

**Symptoms of COVID-19**

The COVID-19 virus affects different people in different ways. COVID-19 is a respiratory disease and most infected people will develop mild to moderate symptoms and recover without requiring special treatment. People who have underlying medical conditions and those over 60 years old have a higher risk of developing severe disease and death.

Common symptoms include:

* fever
* tiredness
* dry cough.

Other symptoms include:

* shortness of breath
* aches and pains
* sore throat
* and very few people will report diarrhoea, nausea or a runny nose.

People with mild symptoms who are otherwise healthy should self-isolate and contact their medical provider or a COVID-19 information line for advice on testing and referral. People with fever, cough or difficulty breathing should call their doctor and seek medical attention.

**How to Prevent COVID-19**

To prevent infection and to slow transmission of COVID-19, do the following:

* Wash your hands regularly with soap and water, or clean them with alcohol-based hand rub.
* Maintain at least 1 metre distance between you and people coughing or sneezing.
* Avoid touching your face.
* Cover your mouth and nose when coughing or sneezing.
* Stay home if you feel unwell.
* Refrain from smoking and other activities that weaken the lungs.
* Practice physical distancing by avoiding unnecessary travel and staying away from large groups of people.

<https://www.labmanager.com/lab-health-and-safety/covid-19-a-history-of-coronavirus-22021>

<https://www.who.int/health-topics/coronavirus#tab=tab_1>