The New Corona Virus Disease 2019 (nCOVID-19)

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 Corona Viruses

• Target and affect respiratory system of mammals

• Global outbreaks caused by 2 corona viruses in the past
  - **SARS** (Severe Acute Respiratory Syndrome) emerged from China in 2002
  - **MERS** (Middle East Respiratory Syndrome) emerged from Saudi Arabia in 2012

• Human contact with infected animal leads to corona virus infection
  - Common carriers: Bats

• **Corona Virus Disease 2019 (COVID-19)**
  - Causative agent: **SARS-CoV-2**
  - More infectious than other corona viruses; less likely to cause death
Corona Virus - Transmission

Infected Animal (Bats - most common)

Transmission through Respiratory Route
(Virus lodged in nose and lungs of infected person passes to another person through droplets from nose and mouth while coughing)

Human

Human  Human  Human

5 – 6 days incubation in respiratory tract

Symptoms
Corona Virus - Symptoms

Initial Symptoms (Flu like)
- Fever
- Dry cough
- Sore throat

Disease Progression
- Fever does not subside after 5 days; Productive cough (with phlegm)

Disease Progression
- Fever, productive cough
  - Muscle pain & Diarrhoea (Sometimes)

Disease Progression
- Emergency Signs
  - Shortness of Breath, Pneumonia
Prevention of Corona Virus Infection

- Frequent and thorough Hand Wash
- Cover mouth while coughing
- Thorough cooking of meat and eggs
- Avoiding close contact with person showing symptoms
- Avoiding social gathering
- Wearing protective mask if caring for a COVID infected person
COOPERATE TO FIGHT THE nCOVID-19

References:
cdc.gov/coronavirus/2019-ncov
medicalnewstoday.com