Coronavirus
Large family of viruses, with a seventh and new strain identified in Wuhan, China

**New strain**
- 2019 novel coronavirus
  - More than 200 cases detected in China; at least 3 killed.
  - Cases detected in Japan, Thailand, South Korea

**Seafood/animal market in Wuhan, China believed to be centre of the outbreak**

**Middle East Respiratory Syndrome (MERS-CoV)**
- First identified in Saudi Arabia in 2012
- Over 800 killed in Middle East since
- From dromedary camels to humans

**Severe Acute Respiratory Syndrome (SARS-CoV)**
- Identified in 2003, first infected humans in China in 2002
- Killed nearly 650 people in China/ Hong Kong 2002-2003
- Thought to be from bats, spread to civet cats to humans

**Transmission**
- Circulate in animals, can be transmitted to humans
- Spread through air, close personal contact or touching contaminated objects

**Two epidemics**

**Common signs of infection**
- Fever
- Cough
- Shortness of breath
- Breathing difficulties
- Gastro-intestinal symptoms
- Diarrhea

**Severe cases**
- Pneumonia
- Severe acute respiratory syndrome
- Kidney failure
- DEATH

**Treatment**
- No vaccines or antiviral drugs available for these viruses
- Symptoms can be treated

Sources: WHO/CDC/Institut Pasteur