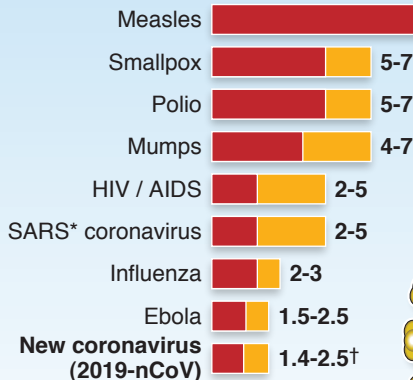


# How contagious is the new coronavirus?

Infectious disease and virus specialists say the scale of the current coronavirus outbreak that originated in the Chinese city of Wuhan points to “self-sustaining” human-to-human transmission

## COMPARISON OF REPRODUCTION NUMBERS FOR SELECTED DISEASES

Average number of other people that one infected person will infect



\*Severe acute respiratory syndrome

†Based on WHO estimate as of Jan 23

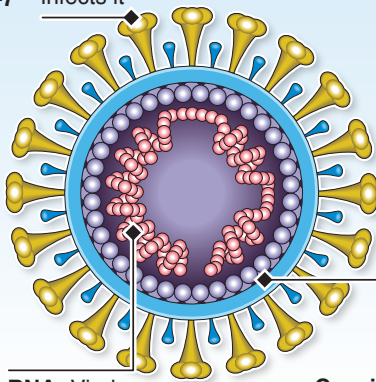
■ **2019-nCoV:** Belongs to family of viruses that get their name from their spherical structure, featuring crown-like spikes on outer shell

■ **Signs of infection:** Include fever, coughing, shortness of breath and breathing difficulties. Severe cases can cause pneumonia, kidney failure and death

■ **Transmission:** Via droplets when infected person breathes out, coughs or sneezes. It can also spread via contaminated surfaces such as door handles or railings

## CORONAVIRUS ANATOMY

**Spike glycoprotein:** Affects way that virus binds to host cell and infects it



**RNA:** Viral

ribonucleic acid carries genetic blueprint

**Capsid**

Protein shell protects RNA

■ **Incubation period:** 1-14 days.

Spread may occur before symptoms show, according to some accounts

■ **Source:** Virus linked to Wuhan live animal market. “Recombination” (mixing) within spike glycoprotein may have allowed cross-species transmission from snake to human