

Basics of COVID-19

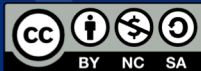
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Learning Objectives

- ▶ Describe the origins of the virus that causes COVID-19
- ▶ Identify the clinical signs and symptoms of COVID-19 and risk factors for severe disease
- ▶ Describe how someone is diagnosed with COVID-19
- ▶ Describe when someone is infectious
- ▶ Explain how this virus is transmitted from one person to another

SARS-CoV-2 Virus

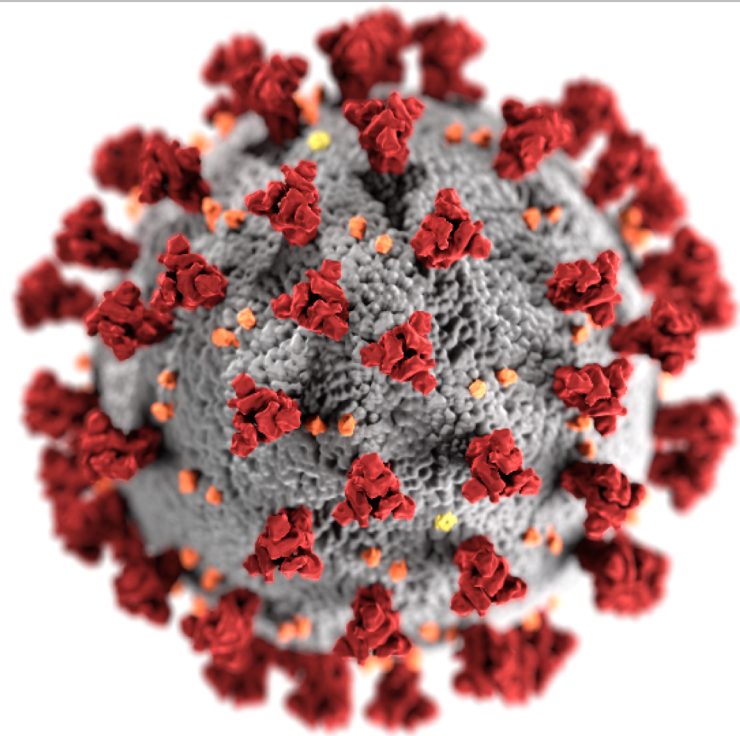


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What Is a Coronavirus?

- ▶ ***Coronaviruses*** (CoVs) are a large group of viruses
 - ▶ You need powerful microscopes to see them
 - ▶ *Corona* means crown
- ▶ They infect a wide range of mammals and birds
- ▶ Some regularly cause mild respiratory illness in people



SARS-CoV-2 Is a New Coronavirus

- ▶ SARS-CoV-2 originated in bats
- ▶ Special coronaviruses have jumped species and can be transmitted between people
- ▶ This is the third coronavirus to have done so since 2002:
 - ▶ ***Severe Acute Respiratory Syndrome (SARS)*** CoV emerged in Guangdong, China, in 2002
 - ▶ ***Middle Eastern Respiratory Syndrome (MERS)*** CoV emerged in the Middle East in 2012
 - ▶ ***SARS-CoV-2*** emerged in Wuhan, China, in 2019

SARS-CoV-2 viruses coming out of cell

