1. COVID-19(Corona Virus)

* Discovery Date: The first known case was identified in Wuhan, China, in December 2019.
* Data: 229 Countries and Territories around the world have reported a total of [704,753,890 confirmed cases](https://www.worldometers.info/coronavirus/) of the coronavirus COVID-19 that originated from Wuhan, China, and a death toll of [**7,010,681 deaths**](https://www.worldometers.info/coronavirus/coronavirus-death-toll/)**,** 675,619,811 recovered. Ảnh có chứa văn bản, ảnh chụp màn hình, Sơ đồ

  Mô tả được tạo tự độngẢnh có chứa văn bản, ảnh chụp màn hình

  Mô tả được tạo tự động

Ảnh có chứa mẫu, đá ngầm, hoa, màu đỏ

Mô tả được tạo tự động

- StructureẢnh có chứa văn bản, ảnh chụp màn hình, vòng tròn, biểu đồ

Mô tả được tạo tự động

* How does the novel coronavirus infect a cell

1. The microscopic virus enters through the nose or mouth, where it begins its infection of our airways.
2. The outer spike protein of the coronavirus latches onto specific receptors on the surface of cells in our respiratory tract. In the case of COVID-19, the virus latches on to the ACE2 receptor.
3. This binding triggers the process by which the virus fuses into human cells. The viral envelope merges with the oily membrane of our own cells, allowing the virus to release its genetic material into the inside of the healthy cell.
4. The genetic blueprint of the virus is RNA (instead of DNA), which acts as a molecular message, instructing our host cell machinery to read the template and translate it into proteins that make up new virus particles.
5. Video: <https://www.youtube.com/watch?v=dA70ZdYhhCg>

**Key facts**

* **COVID-19 is a disease caused by a virus. The most common symptoms are fever, chills, and sore throat, but there are a range of others.**
* **Most people make a full recovery without needing hospital treatment. People with severe symptoms should seek medical care as soon as possible.**
* **Over 760 million cases and 6.9 million deaths have been recorded worldwide since December 2019, but the actual number is thought to be higher.**
* **Over 13 billion vaccine doses have been administered as of June 2023.**