

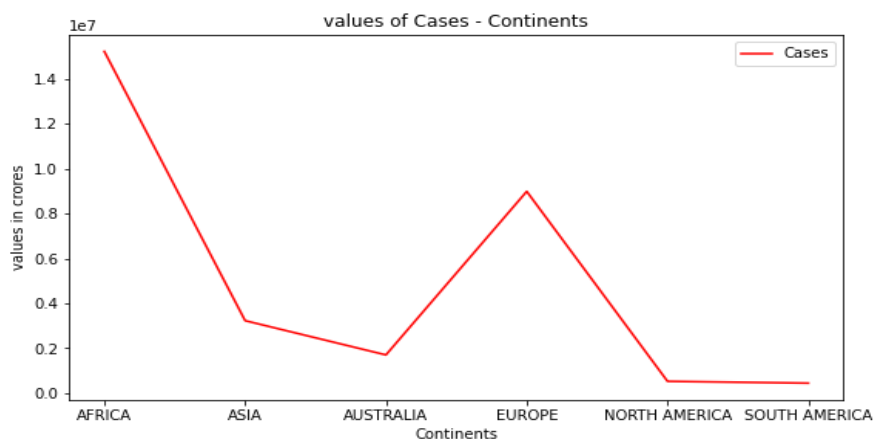
Analysis on Communicable Diseases

Infectious are caused by organisms such as bacteria, viruses, fungi or parasites. Many organisms live in our bodies which are harmless or even helpful. In some conditions these organisms may cause diseases. Some infectious diseases can be passed from person to person. There are several tests which were introduced by Infectious diseases specialists to help identify the pathogen that is causing an infection, for example [Gram staining](#), [blood cultures](#), [serological tests](#), [genotyping](#), and [polymerase chain reaction](#). Signs and symptoms of the infection varies depending on the type of infectious disease, but often include fever and fatigue. Mild infections may respond to rest and can be cured by home remedies, while some life-threatening may need hospitalization.

Coming to Communicable diseases, all Communicable diseases are Infectious diseases and not all Infectious diseases are Communicable disease. Communicable disease is the contagious one. If someone catches the illness, they can get sick and spread the pathogen to the surrounded people. This can lead to small isolated out breaks or full-scale pandemics.

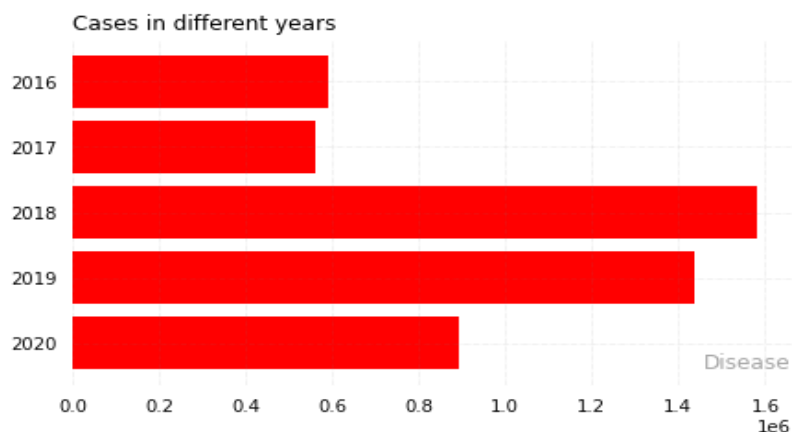
According to the analysis of the reported cases of several Communicable diseases from 2016-2020, the cases count is 30129190. As shown in the figure.

CASES	
CONTINENT	
AFRICA	15225045.0
ASIA	3231271.0
AUSTRALIA	1705138.0
EUROPE	8990143.0
NORTH AMERICA	529294.0
SOUTH AMERICA	448239.0



The above graph represents the value of cases in different continents, according to the data the highest cases are recorded in Africa (15225045) and the lowest cases are recorded in South America (448239).

The bar chart represents the cases in different years from 2016-2020. Where 2018 records the highest over the 5 years of span and 2017 records the lowest over the 5 years.



some Infectious diseases like Typhoid, Pertussis, Measles and Mumps recorded the highest values cases from 2016-2020.

Among these Contagious Diseases Mumps has

Recorded with 6288899.0 cases all over

The world, Measles with 5069143.0

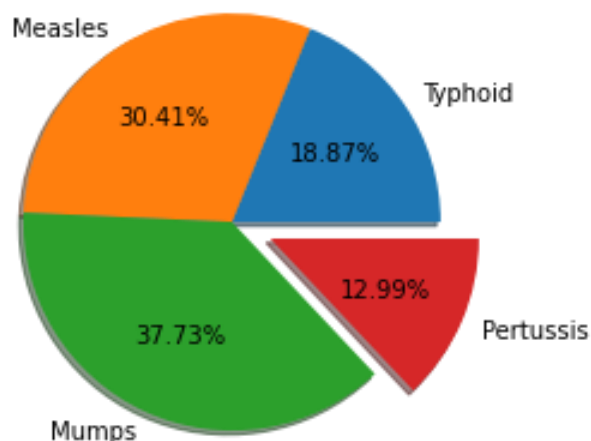
Cases, Typhoid with 3146444.0

Cases and Pertussis with 2165793.0

Cases worldwide.

People can reduce their risk of transmitting disease-causing pathogens by following the steps:

- Washing their hands regularly
- Practicing hygiene food, while preparing and handling.
- Avoid eating spoiled food.
- Receiving available vaccinations.
- By keeping the surroundings clean.



Reference: <https://immunizationdata.who.int/>
<https://www.verywellhealth.com/>
<https://www.medicalnewstoday.com/>