

Medical Research on Infectious Diseases

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Description

Infectious diseases are disorders caused by various organisms like bacteria, viruses, fungi or parasites. Many organisms live in and on our bodies. They're normally harmless or even helpful. But under some conditions, some organisms may cause disease. Some infectious diseases are often infected from person to person. Some are transmitted by insects or other animals. And you'll be infected from others by consuming contaminated food or water or being exposed to organisms within the environment.

Signs and symptoms vary relying on the organism which causes the infection, but often include fever and fatigue. Mild infections may answer to rest and residential remedies, while some life-threatening infections ought to hospitalization. Many infectious diseases such as measles and chicken pox are often prevented by vaccines. Frequent and thorough process of hand-washing also helps protect you from most infectious diseases.

Risk of Getting Infection

Anyone can get an infectious disease. People with a compromised immune system (an immune system that doesn't work at full strength) would like to have greater risk for certain types of infections. Those at higher risk include: People with suppressed immune systems, like those browsing cancer treatment or who have recently had a transplant, those that are unvaccinated against common infectious diseases, Healthcare workers and other people traveling to at-risk areas where they'll be exposed to mosquitoes that carry pathogens like malaria, dengue virus and Zika viruses.

Infectious diseases are extremely common worldwide. Some infectious diseases strike more often than others. For instance, within us, 1 out of each 5 people is infected with the influenza (flu) virus annually.

Symptoms

Infectious diseases can cause many different symptoms. Some are so mild that you simply might not even notice any symptoms, while others are often life-threatening. There are treatments for a few infectious diseases, except for others, like some viruses, you'll only treat your symptoms. You can take steps to prevent many infectious diseases: Get vaccinated, Wash your hands often, Pay attention to food safety, Avoid contact with wild animals, Practice safe sex and Don't share items such as toothbrushes, combs and straws, Fever, Chills, Congestion, Fatigue, Muscle aches and headache.

Diagnosis

Doctors diagnose infectious diseases employing a sort of laboratory tests. Samples of blood, urine, stool, mucus or other body fluids are examined and supply information utilized in the diagnostic process. In some cases, doctors identify infectious organisms by examining them under a microscope. Occasionally, laboratories must grow, or culture, the infectious organism from a sample to verify its presence.

While anyone can catch infectious diseases, you'll be more likely to urge sick if your system isn't working properly. This may occur if: you are taking steroids or other medications that suppress your system, like anti-rejection drugs for a transplanted organ, you've got HIV or AIDS, You have certain sorts of cancer or other disorders that affect your system and additionally, certain other medical conditions may predispose you to infection, including implanted medical devices, malnutrition and extremes of age, among others. The diagnosis of infectious diseases includes a lot of research as well.

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