

Sexually Transmitted Diseases Second Edition Vaccines Prevention And Control

Centers for Disease Control and Prevention

The Centers for Disease Control and Prevention (CDC) is the national public health agency of the United States. It is a United States federal agency under

The Centers for Disease Control and Prevention (CDC) is the national public health agency of the United States. It is a United States federal agency under the Department of Health and Human Services (HHS), and is headquartered in Atlanta, Georgia.

The CDC's current director is Susan Monarez. She became acting director on January 23, 2025, but stepped down on March 24, 2025 when nominated for the director position. On May 14, 2025, Robert F. Kennedy Jr. stated that lawyer Matthew Buzzelli is acting CDC director. However, the CDC web site does not state the acting director's name.

The agency's main goal is the protection of public health and safety through the control and prevention of disease, injury, and disability in the US and worldwide. The CDC focuses national attention on developing and...

Gonorrhea

management of sexually transmitted diseases Archived 2 November 2009 at the Wayback Machine. February 2006. Centers for Disease Control and Prevention (CDC)

Gonorrhea or gonorrhoea, colloquially known as the clap, is a sexually transmitted infection (STI) caused by the bacterium *Neisseria gonorrhoeae*. Infection may involve the genitals, mouth, or rectum.

Gonorrhea is spread through sexual contact with an infected person, or from a mother to a child during birth. Infected males may experience pain or burning with urination, discharge from the penis, or testicular pain. Infected females may experience burning with urination, vaginal discharge, vaginal bleeding between periods, or pelvic pain. Complications in females include pelvic inflammatory disease and in males include inflammation of the epididymis. Many of those infected, however, have no symptoms. If untreated, gonorrhea can spread to joints or heart valves. Globally, gonorrhea affects about...

Preventive healthcare

S. Centers for Disease Control and Prevention. "Chronic Diseases and Health Promotion". U.S. Centers for Disease Control and Prevention. Archived from

Preventive healthcare, or prophylaxis, is the application of healthcare measures to prevent diseases. Disease and disability are affected by environmental factors, genetic predisposition, disease agents, and lifestyle choices, and are dynamic processes that begin before individuals realize they are affected. Disease prevention relies on anticipatory actions that can be categorized as primal, primary, secondary, and tertiary prevention.

Each year, millions of people die of preventable causes. A 2004 study showed that about half of all deaths in the United States in 2000 were due to preventable behaviors and exposures. Leading causes included cardiovascular disease, chronic respiratory disease, unintentional injuries, diabetes, and certain infectious diseases. This same study estimates that 400...

Lyme disease

to insufficient demand. There are several vaccines for the prevention of Lyme disease in dogs. Lyme disease can produce a broad range of symptoms. 20%

Lyme disease, also known as Lyme borreliosis, is a tick-borne disease caused by species of *Borrelia* bacteria, transmitted by blood-feeding ticks in the genus *Ixodes*. It is the most common disease spread by ticks in the Northern Hemisphere. Infections are most common in the spring and early summer.

The most common sign of infection is an expanding red rash, known as erythema migrans (EM), which appears at the site of the tick bite about a week afterwards. The rash is typically neither itchy nor painful. Approximately 70-80% of infected people develop a rash. Other early symptoms may include fever, headaches and tiredness. If untreated, symptoms may include loss of the ability to move one or both sides of the face, joint pains, severe headaches with neck stiffness or heart palpitations. Months...

Health in the United States

(May 2022). "Resurgence of Sexually Transmitted Diseases in the US". News From the Centers for Disease Control and Prevention. JAMA. 327 (20): 1951. doi:10

Health in the United States refers to the overall health of the population of the United States. The World Health Organization defines health as "a state of complete physical, mental and social well-being". Average life expectancy at birth was 77.5 in 2022. Heart diseases are responsible for the greatest number of deaths in the United States.

All 50 states in the U.S. require immunization for children in order to enroll in public school, but various exemptions are available by state (such as for religious reasons). Immunizations are often compulsory for military enlistment in the United States.

It is estimated that one in five adults in the US lives with a mental health disorder,

with 50% receiving treatment for their condition. Sexually transmitted infections impact the health of approximately...

Tropical disease

Tropical diseases are infectious diseases that are prevalent in or unique to tropical and subtropical regions. The diseases are less prevalent in temperate

Tropical diseases are infectious diseases that are prevalent in or unique to tropical and subtropical regions. The diseases are less prevalent in temperate climates, due in part to the occurrence of a cold season, which controls the insect population by forcing hibernation. However, many were present in northern Europe and northern America in the 17th and 18th centuries before modern understanding of disease causation. The initial impetus for tropical medicine was to protect the health of colonial settlers, notably in India under the British Raj. Insects such as mosquitoes and flies are by far the most common disease carrier, or vector. These insects may carry a parasite, bacterium or virus that is infectious to humans and animals. Most often disease is transmitted by an insect bite, which...

Vaccine hesitancy

associated with vaccines are occasionally observed, the scientific consensus that vaccines are generally safe and effective is overwhelming. Vaccine hesitancy

Vaccine hesitancy is a delay in acceptance, or refusal of vaccines despite availability and supporting evidence. The term covers refusals to vaccinate, delaying vaccines, accepting vaccines but remaining uncertain about their use, or using certain vaccines but not others. Although adverse effects associated with vaccines are occasionally observed, the scientific consensus that vaccines are generally safe and effective is overwhelming. Vaccine hesitancy often results in disease outbreaks and deaths from vaccine-preventable diseases. Therefore, the World Health Organization characterizes vaccine hesitancy as one of the top ten global health threats.

Vaccine hesitancy is complex and context-specific, varying across time, place and vaccines. It can be influenced by factors such as lack of proper...

Zika fever

spread via the bite of mosquitoes of the Aedes type. It can also be sexually transmitted and potentially spread by blood transfusions. Infections in pregnant

Zika fever, also known as Zika virus disease or simply Zika, is an infectious disease caused by the Zika virus. Most cases have no symptoms, but when present they are usually mild and can resemble dengue fever. Symptoms may include fever, red eyes, joint pain, headache, and a maculopapular rash. Symptoms generally last less than seven days. It has not caused any reported deaths during the initial infection. Mother-to-child transmission during pregnancy can cause microcephaly and other brain malformations in some babies. Infections in adults have been linked to Guillain-Barré

syndrome (GBS).

Zika fever is mainly spread via the bite of mosquitoes of the Aedes type. It can also be sexually transmitted and potentially spread by blood transfusions. Infections in pregnant women can spread to the...

Birth control

prevent sexually transmitted infections. Other birth control methods do not protect against sexually transmitted infections. Emergency birth control can prevent

Birth control, also known as contraception, anticonception, and fertility control, is the use of methods or devices to prevent pregnancy. Birth control has been used since ancient times, but effective and safe methods of birth control only became available in the 20th century. Planning, making available, and using human birth control is called family planning. Some cultures limit or discourage access to birth control because they consider it to be morally, religiously, or politically undesirable.

The World Health Organization and United States Centers for Disease Control and Prevention provide guidance on the safety of birth control methods among women with specific medical conditions. The most effective methods of birth control are sterilization by means of vasectomy in males and tubal ligation...

Infection

Infectious diseases and disorders. European Center for Disease Prevention and Control U.S. Centers for Disease Control and Prevention, Infectious Disease Society

An infection is the invasion of tissues by pathogens, their multiplication, and the reaction of host tissues to the infectious agent and the toxins they produce. An infectious disease, also known as a transmissible disease or communicable disease, is an illness resulting from an infection.

Infections can be caused by a wide range of pathogens, most prominently bacteria and viruses. Hosts can fight infections using their immune systems. Mammalian hosts react to infections with an innate response, often involving inflammation, followed by an adaptive response.

Treatment for infections depends on the type of pathogen involved. Common medications include:

Antibiotics for bacterial infections.

Antivirals for viral infections.

Antifungals for fungal infections.

Antiprotozoals for protozoan infections...

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