

How Common Is Meningitis

== Signs and symptoms == d5fd238ae9 == Signs and symptoms == d5fd238ae9 Invasive meningococcal disease is a rare disease caused by *Neisseria meningitidis*, an organism that is often carried asymptomatically. It is a major cause of meningitis and septicaemia. It has a rapid progression and a case fatality rate of 8–15%. The highest incidence is in babies under the age of 1 and young adults between the ages 15 to 24. The disease is rare in England, with 378 cases and 31 deaths being confirmed in the 2024–25, compared to 340 cases in 2023–24. d5fd238ae9 Diagnosis is by isolating *Cryptococcus* from a sample... d5fd238ae9

Meningococcal vaccine Different versions are effective against some or all of the following types of meningococcus: A, B, C, W-135, and Y. The vaccines are between 85 and 100% effective for at least two years. They result in a decrease in meningitis and sepsis among populations where they are widely used. They are given either by injection into a muscle or just under the skin. a program called the Meningitis Vaccine Project and has the potential to prevent outbreaks of group A meningitis, which is common in sub-Saharan Africa Meningococcal vaccine refers to any vaccine used to prevent infection by *Neisseria meningitidis* d5fd238ae9

Mollaret's meningitis is characterized by chronic... d5fd238ae9 Although chronic meningitis has been defined as "irritation and inflammation of the meninges persisting for more than 4 weeks being associated with pleocytosis in the cerebrospinal fluid", cerebrospinal fluid abnormalities may not be detectable for the entire time. Diagnosis can be elusive, as Helbok et al. note: "in reality, many more weeks, even months pass by until the diagnosis is established. In many cases the signs and symptoms of chronic meningitis not only persist for periods longer than 4 weeks, they even progress with continuing deterioration, i. e. headache, neck stiffness and even low grade fever. Impairment of consciousness, epileptic seizures, neurological signs and symptoms may evolve over time." d5fd238ae9 In October 2012, an investigation of the NECC revealed the company had been in violation of its state license because it had been functioning as a drug manufacturer, producing drugs for broad use rather than filling individual prescriptions. In

December 2012, federal prosecutors charged 14 former NECC employees, including president Barry Cadden and pharmacist Glenn Chin, with a host of criminal offenses. It alleged that from 2006 to... d5fd238ae9 == Foundation == d5fd238ae9 The inflammation may be caused by infection with viruses, bacteria, fungi or parasites. Non-infectious causes include malignancy (cancer), subarachnoid hemorrhage, chronic inflammatory disease (sarcoidosis) and certain drugs. Meningitis can be life-threatening because of the inflammation's proximity to the brain and spinal cord; therefore, the condition is classified as a medical emergency. A lumbar puncture, in which a needle is inserted into the spinal canal to collect a sample of cerebrospinal fluid (CSF), can diagnose or exclude meningitis. d5fd238ae9 It is caused by the fungi *Cryptococcus neoformans* or less commonly *Cryptococcus gattii*, and is acquired by breathing in the spores from the air. These fungi are found globally in soil, decaying wood, pigeon droppings, and in the hollows of some species of trees. Whereas *C. neoformans* generally infects people with HIV/AIDS and those on immunosuppressant drugs and does not usually affect fit and healthy people, *C. gattii* (found in some parts of Canada and the US) does. Once breathed in, the dried yeast cells colonize the lungs, where they are either cleared by immune cells, lie dormant, or cause infection and spread. d5fd238ae9 The Jordan Meningitis Foundation is the brainchild of the painter Sana Al Masri, who lost her 17-year-old daughter "Sarab" to Meningitis. Her efforts, since then, along with volunteers, members, doctors, professionals and others, have been devoted to work towards the eradication of this disease. d5fd238ae9 Most viruses that enter can be opportunistic and accidental pathogens, but some like herpes viruses and rabies virus have evolved in time to enter the nervous system efficiently, by exploiting the neuronal cell biology. While acute viral diseases come on quickly, chronic viral conditions have long incubation periods inside the body. Their symptoms develop slowly and follow a progressive, fatal course. d5fd238ae9 == Types == d5fd238ae9 == Background == d5fd238ae9

Mollaret's meningitis It was Mollaret's meningitis is a recurrent or chronic inflammation of the protective membranes covering the brain and spinal cord, known collectively as the meninges. Mollaret's meningitis is a recurrent, benign (non-cancerous), aseptic meningitis, it is also referred to as benign recurrent lymphocytic meningitis. It was named for Pierre Mollaret, the French neurologist who first described it in 1944. Since Mollaret's meningitis is a recurrent, benign (non-cancerous), aseptic meningitis, it is also referred to as benign recurrent lymphocytic meningitis d5fd238ae9

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N. fowleri is typically found in warm bodies of fresh water, such as ponds, lakes, rivers and hot springs. It is found in an amoeboid, temporary flagellate stage or microbial cyst in soil, poorly maintained municipal water supplies, water heaters, near warm-water discharges of industrial plants and in poorly chlorinated or unchlorinated swimming pools. There is no evidence of it living in salt water. As the disease is rare, it is often not considered during diagnosis. d5fd238ae9

Meningitis Young children often exhibit only nonspecific symptoms, such as irritability, drowsiness, or poor feeding. A non-blanching rash (a rash that does not fade when a glass is rolled over it) may also be present. Meningitis (pl. Other symptoms include confusion or altered consciousness, nausea, and an inability to tolerate loud noises. meningitides) is acute or chronic inflammation of the protective membranes covering the brain and spinal cord, collectively called the Meningitis (pl. The most common symptoms are fever, intense headache, vomiting, neck stiffness, and occasionally photophobia. meningitides) is acute or chronic inflammation of the protective membranes covering the brain and spinal cord, collectively called the meninges d5fd238ae9

It occurs with cancers that are most likely to spread to the central nervous system. The most common cancers that spread to the leptomeninges are breast cancer, lung cancer, and melanomas because they can metastasize to the subarachnoid space in the brain which offers a hospitable environment for the growth of metastatic tumor cells. Individuals whose cancer has spread to an area of the brain known as the posterior fossa have a greater risk of developing a leptomeningeal cancer.... d5fd238ae9 Meningococcal vaccines are generally safe. Some people develop... d5fd238ae9

2026 Kent meningitis outbreak As of 31 March, a total of 21 cases had been reported which were linked to *Neisseria meningitidis* serotype B. It is believed that the outbreak started in a nightclub in Canterbury. As of 31 March On 11 March 2026, an outbreak of meningitis B began in Kent, England. On 11 March 2026, an outbreak of meningitis B began in Kent, England. Many of the cases have been associated with students attending local educational institutions, including the University of Kent. It is believed that the outbreak started in a nightclub in Canterbury d5fd238ae9

Jordanian Meningitis Foundation and Caring for the Disabled from Meningitis Jordan Meningitis Foundation is a non-governmental

Nonprofit organization which was established in 1995 in Amman Jordan. The Jordan Meningitis Foundation - The Jordan Meningitis Foundation is a non-governmental Nonprofit organization which was established in 1995 in Amman - Jordan d5fd238ae9

New England Compounding Center meningitis outbreak The NECC was classified as a compounding pharmacy. In A New England Compounding Center meningitis outbreak that began in September 2012 sickened 798 individuals and resulted in the deaths of 64 people. In September 2012, the Centers for Disease Control and Prevention, in collaboration with state and local health departments and the Food and Drug Administration (FDA), began investigating a multistate outbreak of fungal meningitis and other infections among patients who had received contaminated steroid injections from the New England Compounding Center (NECC) in Framingham, Massachusetts. A New England Compounding Center meningitis outbreak that began in September 2012 sickened 798 individuals and resulted in the deaths of 64 people. The traditional role of compounding pharmacies is to make drugs prescribed by doctors for specific patients with needs that can't be met by commercially available drugs d5fd238ae9

Virus infections usually begin in the peripheral tissues, and can invade the mammalian system by spreading into the peripheral nervous system and more rarely the CNS. CNS is protected by effective immune responses and multi-layer barriers, but some viruses enter with high-efficiency through the bloodstream and some by directly infecting the nerves that innervate the tissues. d5fd238ae9 The onset of symptoms begins one to twelve days following exposure (with a median of five). Initial symptoms... d5fd238ae9 Although infection occurs very rarely, it almost inevitably results in death, with a mortality rate of 95-98%. d5fd238ae9 Some forms of meningitis are preventable by immunization with... d5fd238ae9

Leptomeningeal cancer The term leptomeningeal (from the Greek lepto, meaning 'fine' or 'slight') describes the thin meninges, the arachnoid and the pia mater, between which the cerebrospinal fluid is located. The disorder was originally reported by Eberth in 1870. It is also known as leptomeningeal carcinomatosis, leptomeningeal disease (LMD), leptomeningeal metastasis, meningeal metastasis and meningeal carcinomatosis. This leads to an inflammatory response, hence the alternative names neoplastic meningitis (NM), malignant meningitis, or carcinomatous meningitis. The term leptomeningeal (from the Greek lepto Leptomeningeal cancer is a rare complication of cancer in which the disease spreads from the original tumor site to

the meninges surrounding the brain and spinal cord. response, hence the alternative names neoplastic meningitis (NM), malignant meningitis, or carcinomatous meningitis d5fd238ae9

Central nervous system viral disease It comprises the brain, spinal cord and the nerve fibers that branch off to all parts of the body. Meningitis is very common in children. The CNS viral diseases are caused by viruses that attack the CNS. Existing and emerging viral CNS infections are major sources of human morbidity and mortality. travelers visit endemic regions, nonimmune adults are also affected. Newborns can develop herpes virus infections through The central nervous system (CNS) controls most of the functions of the body and mind d5fd238ae9

Whilst a relevant meningococcal vaccine is part of the National Health Service's childhood vaccination schedule, the MenB vaccine has only been offered since 2015, meaning all people born prior to this are unlikely to have received it. Additionally, the vaccine is given to infants, and protection from the vaccine is short and does... d5fd238ae9

Cryptococcosis It can also affect other parts of the body including skin, where it may appear as several fluid-filled nodules with dead tissue. Cryptococcosis is a potentially fatal fungal infection of mainly the lungs, presenting as a pneumonia, and in the brain, where it appears as a meningitis. Coughing, difficulty breathing, chest pain and fever are seen when the lungs are infected. When the brain is infected, symptoms include headache, fever, neck pain, nausea and vomiting, light sensitivity and confusion or changes in behavior. Coughing Cryptococcosis is a potentially fatal fungal infection of mainly the lungs, presenting as a pneumonia, and in the brain, where it appears as a meningitis d5fd238ae9

The World Health Organization recommends that countries with a moderate or high rate of disease or with frequent outbreaks should routinely vaccinate. In countries with a low risk of disease, they recommend that high-risk groups should be immunized. In the African meningitis belt efforts to immunize all people between the ages of one and thirty with the meningococcal A conjugate vaccine are ongoing. In Canada and the United States, vaccines against four types of meningococcus (A, C, W, and Y) are recommended routinely for teenagers and others who are at high risk. Saudi Arabia requires vaccination with the quadrivalent vaccine for international travellers to Mecca for Hajj. d5fd238ae9

Primary amoebic meningoencephalitis N. both meningitis and encephalitis; becoming a type of meningoencephalitis. Symptoms include headache, fever, nausea, vomiting, a stiff neck, confusion, hallucinations and seizures. Death usually results within one to two weeks of symptom onset. fowleri is typically Primary amoebic meningoencephalitis (PAM), also known as naegleriasis, is an almost invariably fatal infection of the brain by the free-living protozoan Naegleria fowleri. Death usually results within one to two weeks of symptom onset. Symptoms progress rapidly over around five days with characteristics of both meningitis and encephalitis; becoming a type of meningoencephalitis d5fd238ae9

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