

Disease Dictionary

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Campylobacter infection

Type of Disease Agent: Bacteria	Name of Organism <i>Campylobacter jejuni</i>	Incubation Period 2 to 5 days	Duration of Illness 2 to 5 days
Symptoms of Disease	• Diarrhea (which can be bloody) • Nausea • Vomiting • Fever • Abdominal cramps • Dehydration		
Transmission of Disease	• Foodborne or waterborne • Raw or undercooked poultry • Unpasteurized dairy products • Contaminated water • Produce		
Treatment of Disease	• Treat symptoms - Fluid and salt replacement • Antibiotics given to patients who are very ill or at high risk for severe disease		

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Cholera

Type of Disease Agent Bacteria	Name of Organism <i>Vibrio cholerae</i>	Incubation Period 12 hours to 5 days	Duration of Illness Without hydration treatment, a patient with severe symptoms can die within hours of symptoms appearing
Symptoms of Disease	• Watery diarrhea • Vomiting • Leg cramps • Dehydration		
Transmission of Disease	• Foodborne or waterborne • Drinking water or food contaminated with feces from an infected person • Common in areas with inadequate sewage treatment and drinking water		
Treatment of Disease	• Treat symptoms - Fluid and salt replacement • Severe cases treated with antibiotics to shorten duration and severity of symptoms		

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Common cold

Type of Disease Agent Virus	Name of Organism Rhinovirus	Incubation Period 1 to 3 days	Duration of Illness 7 to 10 days
Symptoms of Disease	• Sore throat • Runny nose • Cough • Sneezing • Headaches • Body aches • Occasionally slight chills • Occasionally fatigue (tiredness) and weakness		
Transmission of Disease	• Person-to-person • Spread from infected person's saliva • Airborne droplets from coughing and sneezing • Shared food or drinks • Contaminated surfaces		
Treatment of Disease	Treat symptoms - Rest and hydration		

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Covid-19

Type of Disease Agent Virus	Name of Organism Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	Incubation Period 2 to 14 days Average is 5 days	Duration of Illness Average is 10 days Severe cases can be 20 days
Symptoms of Disease	• Fever or feeling feverish/chills • Cough • Fatigue • Bone or joint pain • Muscle or body aches • Sore throat • Headache • Nasal congestion • Nausea or vomiting • Diarrhea • Loss of taste or smell		
Transmission of Disease	• Person-to-person • Airborne droplets from coughing, sneezing, talking, or touching		
Treatment of Disease	• Treat symptoms - Rest and hydration • Antivirals to reduce the risk of becoming seriously ill		

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E. coli infection

Type of Disease Agent Bacteria	Name of Organism <i>Escherichia coli</i>	Incubation Period 1 to 10 days (often 3 to 4 days)	Duration of Illness 5 to 7 days
Symptoms of Disease	• Severe stomach cramps • Diarrhea (which can be bloody) • Vomiting • Low-grade fever (less than 101 °F) • Dehydration • Severe cases can cause hemolytic uremic syndrome (Destruction of cells involved in clotting, low red blood cell count, and kidney failure).		
Transmission of Disease	• Foodborne or waterborne • Food or water contaminated with feces • Common contaminated food include raw or undercooked meat, unpasteurized milk, lettuce • Can be spread by people preparing food who have not washed their hands after using the toilet		
Treatment of Disease	Treat symptoms - Fluid and salt replacement		

[Return to Top](#)**Flu (influenza)**

Type of Disease Agent Virus	Name of Organism Influenza virus	Incubation Period 1 to 4 days	Duration of Illness 5 to 7 days
Symptoms of Disease	• Abrupt onset of symptoms • Fever or feeling feverish/chills • Cough • Sore throat • Runny or stuffy nose • Muscle or body aches • Headache • Fatigue (tiredness) • Some people may have vomiting and diarrhea		
Transmission of Disease	• Person-to-Person • Spread from infected person's saliva • Airborne droplets from coughing and sneezing • Shared food or drinks • Contaminated surfaces		
Treatment of Disease	• Treat symptoms - Rest and hydration • Antiviral, if caught early, to reduce length of illness		

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Invasive listeriosis

Type of Disease Agent Bacteria	Name of Organism <i>Listeria monocytogenes</i>	Incubation Period 1 to 4 weeks (as late as 70 days)	Duration of Illness Infection lasts until treated
Symptoms of Disease	In pregnant women: • Fever • Fatigue (tiredness) • Muscle aches • Miscarriage/stillbirth • Premature delivery • Life-threatening infection of newborn In people other than pregnant women: • Fever • Muscle aches • Headache • Stiff neck • Confusion • Loss of balance • Convulsions		
Transmission of Disease	• Foodborne • Primarily affects: • pregnant women • newborns • older adults • people with weakened immune systems • Common contaminated foods include raw sprouts, unpasteurized milk, soft cheese, deli meats and hot dogs, smoked seafood		
Treatment of Disease	Antibiotics		

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Lyme Disease

Type of Disease Agent Bacteria	Name of Organism <i>Borrelia burgdorferi</i>	Incubation Period 3 to 30 days	Duration of Illness Infection lasts until treated
Symptoms of Disease	• Fever • Headache • Fatigue (tiredness) • Swollen lymph nodes • Muscle and joint aches • Neck stiffness • “Bull’s-eye”-shaped, red rash • Facial paralysis • Arthritis • Nerve pain		
Transmission of Disease	• Vector-borne • Spread by the bite of infected blacklegged ticks		
Treatment of Disease	Enter text here...		

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Measles

Type of Disease Agent Virus	Name of Organism Measles virus	Incubation Period 10 to 14 days	Duration of Illness About 4 days
Symptoms of Disease	• High fever (as high as 105 °F) • Cough • Runny nose • Red, watery eyes • Tiny white spots inside mouth • Rash of flat red spots on face, neck, trunk, arms, legs, and feet • Ear infections • Lung infections • Encephalitis (swelling of the brain)		
Transmission of Disease	• Person-to-person • Highly contagious • Virus lives in the nose and throat mucus of infected person • Spread through breathing, coughing, and sneezing • Can live for up to two hours in an airspace or surface where infected person coughed or sneezed		
Treatment of Disease	Treat symptoms - Rest, hydration, reduction of fever		

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Pneumococcal Pneumonia

Type of Disease Agent Bacteria	Name of Organism <i>Streptococcus pneumoniae</i>	Incubation Period 1 to 3 days	Duration of Illness Infection lasts until treated
Symptoms of Disease	• Fever • Chills • Cough • Rapid breathing or difficulty breathing • Chest pain • Weakness • Fatigue (tiredness) • Note: This bacteria can also cause ear infections, sinus infections, bloodstream infections, and meningitis		
Transmission of Disease	• Person-to-person • Spread by infected person's airborne respiratory droplets		
Treatment of Disease	Enter text here...		

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Ringworm (athlete's foot, tinea, or dermatophytosis)

Type of Disease Agent Fungus	Name of Organism • Trichophyton • Microsporum • Epidermyophyton	Incubation Period 4 to 14 days	Duration of Illness Infection lasts until treated
Symptoms of Disease	• Itchy skin • Ring-shaped rash • Red, scaly, cracked skin • Blisters • Hair loss		
Transmission of Disease	• Person-to-person • Spread from infected person or animal • Can be shared through contaminated surfaces, objects, or clothing		
Treatment of Disease	Enter text here...		

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Rotavirus

Type of Disease Agent Virus	Name of Organism Rotavirus	Incubation Period About 2 days	Duration of Illness 3 to 8 days
Symptoms of Disease	• Fever • Watery diarrhea • Vomiting • Abdominal pain • Dehydration		
Transmission of Disease	• Person-to-person • Spread from hand-to-mouth contact • Not washing hands after using the toilet or changing a child's diaper can cause the virus to spread to anything you touch, including toys, food, and utensils		
Treatment of Disease	Enter text here...		

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Salmonellosis

Type of Disease Agent Bacteria	Name of Organism Salmonella	Incubation Period 12 hours to 3 days	Duration of Illness 4 to 7 days
Symptoms of Disease	• Diarrhea • Vomiting • Fever • Abdominal cramps • Dehydration		
Transmission of Disease	• Foodborne • Common causes are raw and undercooked eggs, undercooked poultry and meat, fresh fruits and vegetables, and unpasteurized dairy products		
Treatment of Disease	• Treat symptoms - Fluid and salt replacement • Severe cases treated with antibiotics to shorten duration and severity of symptoms		

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Strep throat/Scarlet Fever

Type of Disease Agent Bacteria	Name of Organism Group A Streptococcus	Incubation Period 2 to 5 days	Duration of Illness Infection lasts until treated
Symptoms of Disease	• Throat pain • Difficulty swallowing • Red and swollen tonsils that often have white spots on them • Tiny red spots on the soft or hard palate of mouth • Swollen and tender lymph nodes in the neck • Fever • Headache • Red rash that has a sandpaper feel • Fatigue (tiredness)		
Transmission of Disease	• Person-to-person • Spread from infected person's saliva • Airborne droplets from coughing and sneezing • Shared food or drinks • Contaminated surfaces		
Treatment of Disease	Enter text here...		

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Tuberculosis (TB)

Type of Disease Agent Bacteria	Name of Organism <i>Mycobacterium tuberculosis</i>	Incubation Period 2 to 12 weeks (TB grows and develops very slowly)	Duration of Illness Infection lasts until treated
Symptoms of Disease	• Cough that lasts three weeks or longer • Pain in the chest • Coughing up blood or phlegm from deep inside the lungs • Weakness • Fatigue (tiredness)		
Transmission of Disease	• Person-to-person • Spread through the air when a person with TB disease of the lungs or throat coughs, sneezes, speaks, or sings. People nearby may breathe in these bacteria and become infected. • Not spread through infected clothing, drinking glasses, eating utensils, or other surfaces. • Risk of becoming infected depends on the length and intensity of the exposure and how symptomatic the person is.		
Treatment of Disease	Enter text here...		

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Zika

Type of Disease Agent Virus	Name of Organism Zika virus	Incubation Period 3 to 14 days	Duration of Illness 3 to 7 days
Symptoms of Disease	• Fever • Rash • Headache • Joint pain • Conjunctivitis (An illness that causes the eye to become red and sore) • Muscle pain • Infection during pregnancy can cause a birth defect called microcephaly and other severe fetal brain defects		
Transmission of Disease	• Vector-borne • Spread by the bite of infected mosquitoes • Person-to-person • Sexually transmitted		
Treatment of Disease	Enter text here...		

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