

What diseases do these vaccines protect against?

Vaccine-Preventable Disease	Disease complications	Number of Vaccine Doses
COVID-19 Contagious viral infection of the nose, throat, or lungs; may feel like a cold or flu	Pneumonia, blood clots, liver, heart, or kidney damage, long COVID, death	1 or more doses of the current COVID-19 vaccine depending on age or health status. For more information: www.cdc.gov/covidschedule
Influenza (Flu) Contagious viral infection of the nose, throat, and sometimes lungs	Pneumonia, sinus and ear infections, worsening of underlying health conditions like heart and lung disease, death	1 dose each year
RSV (Respiratory syncytial virus) Contagious viral infection of the nose, throat, and sometimes lungs	Pneumonia, inflammation of the small airways in the lung; especially dangerous for infants, young children, and older adults	1 dose
Tetanus (Lockjaw)* Infection caused by bacterial spores found in soil and dust everywhere;	Sudden, involuntary muscle spasms, jaw cramping, seizures, broken bones, difficulty breathing, death	3 doses if not already vaccinated 1 booster every 10 years 1 dose for dirty wounds

Vaccine-Preventable Disease	Disease complications	Number of Vaccine Doses
<p>spores enter the body through wounds or broken skin</p>		
<p>Diphtheria*</p> <p>Illness caused by a toxin produced by bacteria that infects the nose, throat, and sometimes skin.</p>	<p>Thick, gray, build up in throat or nose makes breathing and swallowing difficult, heart failure, brain injury, coma, death</p>	<p>3 doses if not already vaccinated</p> <p>1 booster every 10 years</p>
<p>Pertussis (Whooping Cough)*</p> <p>Contagious bacterial infection of the lungs and airway</p>	<p>Severe coughing fits, life-threatening pause in breathing, pneumonia, death; especially dangerous for babies</p>	<p>3 doses if not already vaccinated</p> <p>1 dose every pregnancy</p>
<p>Measles (Rubeola)†</p> <p>Contagious viral infection that causes high fever, cough, red eyes, runny nose, and rash</p>	<p>Brain swelling, pneumonia, death</p>	<p>1 or 2 doses</p>

Vaccine-Preventable Disease	Disease complications	Number of Vaccine Doses
Mumps[†] Contagious viral infection that causes fever, tiredness, swollen cheeks, and tender swollen jaw	Brain swelling, painful and swollen testicles or ovaries, deafness, death	1 or 2 doses
Rubella (German Measles)[†] Contagious viral infection that causes low-grade fever, sore throat, and rash	Very dangerous in pregnant women; can cause miscarriage or stillbirth, premature delivery, severe birth defects	1 or 2 doses
Chickenpox (Varicella) Contagious viral infection that causes fever, headache, and an itchy, blistering rash	Infected sores, brain swelling, pneumonia, death	2 doses
Shingles (Zoster) Caused by the chickenpox	Severe blistering rash on one side of the face or body; long-term nerve	2 doses

Vaccine-Preventable Disease	Disease complications	Number of Vaccine Doses
virus, which hides in the body and sometimes reactivates later in life	pain, hearing damage, blindness, death	
HPV (Human papillomavirus) Contagious viral infection spread by sexual contact; sometimes causes genital warts	Many types of cancers including cancers of the cervix, vagina, penis, anus, and throat	2 or 3 doses
Pneumococcal Bacterial infections of ears, sinuses, lungs, or bloodstream	Depends on the part of the body infected, but can include pneumonia, blood poisoning, infection of the lining of the brain and spinal cord, death	1 or 2 doses
Hepatitis A Contagious viral infection of the liver spread by contaminated food or drink or close contact with an infected person	Liver failure, yellow skin or eyes, stomach pain, vomiting, fever, diarrhea, fatigue, death	2, 3, or 4 doses depending on vaccine used

Vaccine-Preventable Disease	Disease complications	Number of Vaccine Doses
Hepatitis B Contagious viral infection of the liver spread through contact with infected body fluids such as blood or semen	Liver failure, yellow skin or eyes, stomach pain, vomiting, fever, diarrhea, fatigue, death	2, 3, or 4 doses depending on vaccine used
Meningococcal Bacterial infection of the lining of the brain and spinal cord or the bloodstream	Fever, headache, stiff neck, light sensitivity, confusion, loss of arm or leg, deafness, seizures, death	1 or more doses depending on vaccine used, medical condition, where patient lives or works
Hib <i>(Haemophilus influenzae type b)</i> Bacterial infection that can attack the lungs, brain and spinal cord, or bloodstream	Brain damage, hearing loss, loss of arm or leg, death	1 or 3 doses depending on medical condition
Mpox Contagious viral infection spread by sexual contact;	Infected sores, brain swelling, pneumonia, eye infection, blindness, death	2 doses

Vaccine-Preventable Disease	Disease complications	Number of Vaccine Doses
causes a painful rash, fever, headache, tiredness, cough, runny nose, sore throat, swollen lymph nodes		

***Tdap**

protects against tetanus, diphtheria, and pertussis

***Td**

protects against tetanus and diphtheria

†MMR

protects against measles, mumps, and rubella

This easy-to-read schedule is recommended by the Advisory Committee on Immunization Practices ([ACIP](#)) and approved by the Centers for Disease Control and Prevention ([CDC](#)), American Academy of Family Physicians ([AAFP](#)), and American College of Physicians ([ACP](#)).