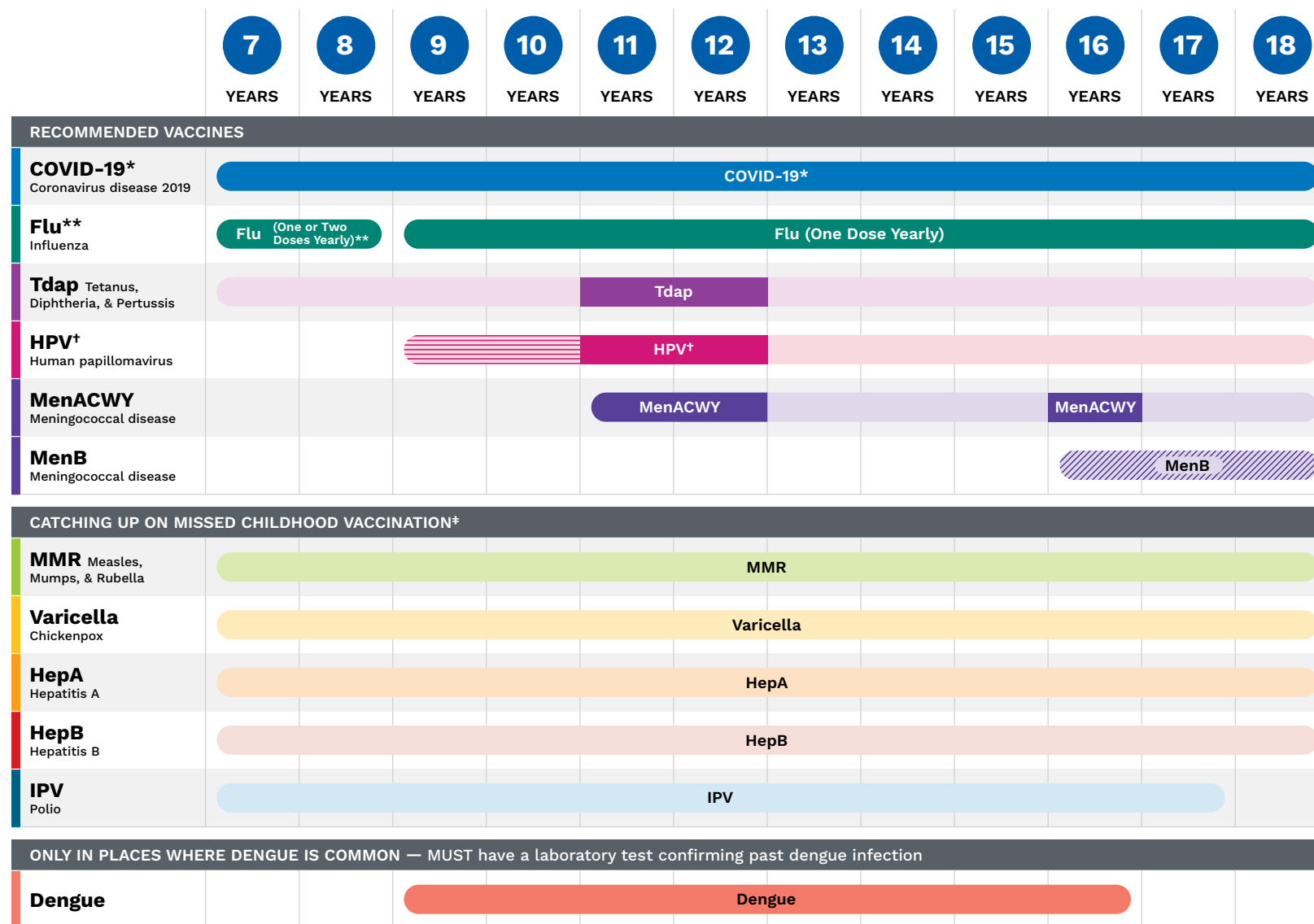


# 2023 Recommended Immunizations for Children 7–18 Years Old



## KEY



Indicates when the vaccine is recommended for all children unless your doctor tells you that your child cannot safely receive the vaccine.



Indicates the vaccine series can begin at this age.



Indicates the vaccine **should** be given if a child is catching up on missed vaccinations. A vaccine series does not need to be restarted, regardless of the time that has elapsed between doses.



Indicates children not at increased risk **may** get the vaccine if they wish after speaking to a provider.

## ADDITIONAL INFORMATION

1. If your child misses a shot recommended for their age, talk to your child's doctor as soon as possible to see when the missed shot can be given.
2. If your child has any medical conditions that put them at risk for infection or is traveling outside the United States, talk to your child's doctor about additional vaccines that they may need.

**Talk with your child's doctor if you have questions about any shot recommended for your child.**

## FOOTNOTES

**COVID-19\*** Number of doses recommended depends on your child's age and type of COVID-19 vaccine used.

**Flu\*\*** Two doses given at least 4 weeks apart are recommended for children age 6 months through 8 years of age who are getting an influenza (flu) vaccine for the first time and for some other children in this age group.

**HPV†** Ages 11 through 12 years old should get a 2-shot series separated by 6 to 12 months. The series can begin at 9 years old. A 3-shot series is recommended for those with weakened immune systems and those who start the series after their 15th birthday.

\*Originally recommended age ranges for missed childhood vaccinations: 2-dose series of **MMR** at 12–15 months and 4–6 years; 2-dose series of **Varicella** at 12–15 months and 4–6 years; 2-dose series of **HepA** (minimum interval: 6 months) at age 12–23 months; 3-dose series of **HepB** at birth, 1–2 months, and 6–18 months; and 4-dose series of **Polio** at 2 months, 4 months, 6–18 months, and 4–6 years.



U.S. Department of  
Health and Human Services  
Centers for Disease  
Control and Prevention

## FOR MORE INFORMATION

Call toll-free: **1-800-CDC-INFO (1-800-232-4636)**  
Or visit: [cdc.gov/vaccines/parents](https://cdc.gov/vaccines/parents)



American Academy  
of Pediatrics



DEDICATED TO THE HEALTH OF ALL CHILDREN™

# Diseases and the Vaccines that Prevent Them

7-18 YEARS OLD

DISEASE	VACCINE	DISEASE SPREAD BY	DISEASE SYMPTOMS	DISEASE COMPLICATIONS
<b>Coronavirus disease 2019 (COVID 19)</b>	<b>COVID-19</b> vaccine protects against severe complications from coronavirus disease 2019.	Air, direct contact	May be no symptoms, fever, muscle aches, sore throat, cough, runny nose, diarrhea, vomiting, new loss of taste or smell	Pneumonia (infection in the lungs), respiratory failure, blood clots, bleeding disorder, injury to liver, heart or kidney, multi-system inflammatory syndrome, post-COVID syndrome, death
<b>Influenza (Flu)</b>	<b>Flu</b> vaccine protects against influenza.	Air, direct contact	Fever, muscle pain, sore throat, cough, extreme fatigue	Pneumonia (infection in the lungs), bronchitis, sinus infections, ear infections, death
<b>Tetanus</b>	<b>Tdap*</b> and Td** vaccines protect against tetanus.	Exposure through cuts in skin	Stiffness in neck and abdominal muscles, difficulty swallowing, muscle spasms, fever	Broken bones, breathing difficulty, death
<b>Diphtheria</b>	<b>Tdap*</b> and Td** vaccines protects against diphtheria.	Air, direct contact	Sore throat, mild fever, weakness, swollen glands in neck	Swelling of the heart muscle, heart failure, coma, paralysis, death
<b>Pertussis (whooping cough)</b>	<b>Tdap*</b> vaccine protects against pertussis (whooping cough).	Air, direct contact	Severe cough, runny nose, apnea (a pause in breathing in infants)	Pneumonia (infection in the lungs), death
<b>Human papillomavirus</b>	<b>HPV</b> vaccine protects against human papillomavirus.	Direct skin contact	May be no symptoms, genital warts	Cervical, vaginal, vulvar, penile, anal, oropharyngeal cancers
<b>Meningococcal disease</b>	<b>MenACWY</b> <b>MenB</b> vaccines protect against meningococcal disease.	Air, direct contact	Sudden onset of fever, headache, and stiff neck, dark purple rash	Loss of limb, deafness, nervous system disorders, developmental disabilities, seizure disorder, stroke, death
<b>Measles</b>	<b>MMR†</b> vaccine protects against measles.	Air, direct contact	Rash, fever, cough, runny nose, pink eye	Encephalitis (brain swelling), pneumonia (infection in the lungs), death
<b>Mumps</b>	<b>MMR†</b> vaccine protects against mumps.	Air, direct contact	Swollen salivary glands (under the jaw), fever, headache, tiredness, muscle pain	Meningitis (infection of the covering around the brain and spinal cord), encephalitis (brain swelling), inflammation of testicles or ovaries, deafness, death
<b>Rubella</b>	<b>MMR†</b> vaccine protects against rubella.	Air, direct contact	Sometimes rash, fever, swollen lymph nodes	Very serious in pregnant women—can lead to miscarriage, stillbirth, premature delivery, birth defects
<b>Chickenpox</b>	<b>Varicella</b> vaccine protects against chickenpox.	Air, direct contact	Rash, tiredness, headache, fever	Infected blisters, bleeding disorders, encephalitis (brain swelling), pneumonia (infection in the lungs), death
<b>Hepatitis A</b>	<b>HepA</b> vaccine protects against hepatitis A.	Direct contact, contaminated food or water	May be no symptoms, fever, stomach pain, loss of appetite, fatigue, vomiting, jaundice (yellowing of skin and eyes), dark urine	Liver failure, arthralgia (joint pain), kidney, pancreatic and blood disorders, death
<b>Hepatitis B</b>	<b>HepB</b> vaccine protects against hepatitis B.	Contact with blood or body fluids	May be no symptoms, fever, headache, weakness, vomiting, jaundice (yellowing of skin and eyes), joint pain	Chronic liver infection, liver failure, liver cancer, death
<b>Polio</b>	<b>IPV</b> vaccine protects against polio.	Air, direct contact, through the mouth	May be no symptoms, sore throat, fever, nausea, headache	Paralysis, death
<b>Dengue</b>	<b>Dengue†</b> vaccine protects against dengue.	Bite from infected mosquito	May be no symptoms, fever, headache, pain behind the eyes, rash, joint pain, body ache, nausea, loss of appetite, feeling tired, abdominal pain	Severe bleeding, seizures, shock, damage to the liver, heart, and lungs, death

**Tdap\*** Tdap combines protection against diphtheria, tetanus, and pertussis.

**Td\*\*** Td combines protection against diphtheria and tetanus.

**MMR†** MMR combines protection against measles, mumps, and rubella.

**Dengue†** Recommended where dengue is common.

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