

Different COVID-19 Vaccines

<https://www.mayoclinic.org/coronavirus-covid-19/vaccine/comparing-vaccines>



Vaccine	Pfizer-BioNTech <u>mRNA vaccine</u>	Moderna <u>mRNA vaccine</u>	Janssen/Johnson & Johnson <u>Vector vaccine</u>
Effectiveness	<p>91% effective at preventing the coronavirus disease 2019 (COVID-19) virus with symptoms in people age 16 and older</p> <p>Greater than 89% effective in preventing people with health conditions, such as diabetes or obesity, from developing the COVID-19 virus with symptoms</p> <p>100% effective at preventing the COVID-19 virus in children ages 12 through 15</p> <p>Appears to protect against severe COVID-19 due to COVID-19 variants</p>	<p>94% effective at preventing the COVID-19 virus with symptoms</p> <p>Greater than 90% effective in preventing people with health conditions, such as diabetes or obesity, from developing the COVID-19 virus with symptoms</p> <p>Appears to protect against severe COVID-19 due to COVID-19 variants</p>	<p>66% effective at preventing the COVID-19 virus with symptoms</p> <p>85% effective at preventing the COVID-19 virus with severe illness</p> <p>Appears to protect against severe COVID-19 due to COVID-19 variants</p>
Doses	<p>Two doses are needed, 21 days apart (or up to six weeks apart, if needed) in the U.S.</p> <p>Some protection provided after the first dose</p> <p>The CDC recommends a third dose of an mRNA COVID-19 vaccine (at least 28 days after the second dose) for some people with weakened immune systems, such as those who have had an organ transplant. People with weakened immune systems might not develop enough immunity after vaccination with two doses of an mRNA COVID-19 vaccine. An additional dose might improve their protection against the COVID-19 virus.</p>	<p>Two doses are needed, 28 days apart (or up to six weeks apart, if needed) in the U.S.</p> <p>Some protection provided after the first dose</p> <p>The CDC recommends a third dose of an mRNA COVID-19 vaccine (at least 28 days after the second dose) for some people with weakened immune systems, such as those who have had an organ transplant. People with weakened immune systems might not develop enough immunity after vaccination with two doses of an mRNA COVID-19 vaccine. An additional dose might improve their protection against the COVID-19 virus.</p>	<p>One dose is needed</p> <p>Some protection provided two weeks after vaccination</p> <p>There isn't enough research to determine if people with weakened immune systems who got a Janssen/Johnson & Johnson COVID-19 vaccine have an improved response after getting an additional dose of the same vaccine.</p>
Side effects	<p>Injection site pain, fatigue, headache, muscle pain, chills, joint pain, fever, nausea, feeling unwell and swollen lymph nodes</p> <p>Note: Rarely, some people have had heart problems after getting a mRNA COVID-19 vaccine. Seek medical care if you have chest pain, shortness of breath or feelings of having a fast-</p>	<p>Injection site pain, fatigue, headache, muscle pain, chills, joint pain, fever, nausea, feeling unwell and swollen lymph nodes</p> <p>Note: Rarely, some people have had heart problems after getting a mRNA COVID-19 vaccine. Seek medical care if you have chest pain, shortness of breath or feelings of having a fast-</p>	<p>Injection site pain, fatigue, headache, muscle pain, chills, fever and nausea</p> <p>Note: If you received this vaccine within the last three weeks and are experiencing any unexplained new severe symptoms, seek emergency care.</p> <p>Possible severe symptoms include shortness of breath, persistent</p>

Different COVID-19 Vaccines

<https://www.mayoclinic.org/coronavirus-covid-19/vaccine/comparing-vaccines>



	beating, fluttering or pounding heart within a week of getting the vaccine.	beating, fluttering or pounding heart within a week of getting the vaccine.	stomach pain, severe or persistent headache, blurred vision, chest pain, leg swelling, easy bruising, and tiny red spots on the skin. Rarely, some people may develop Guillain-Barre syndrome after getting the vaccine. Seek immediate medical care if you have weakness or tingling sensations, difficulty walking, difficulty with facial movements, double vision, and difficulty with bladder control.
Ingredients	Doesn't contain eggs, latex or preservatives	Doesn't contain eggs, latex or preservatives	Doesn't contain eggs, latex or preservatives
Authorization and safety	U.S. Food and Drug Administration (FDA) approval for people age 16 and older for Pfizer BioNTech, now called Comirnaty FDA emergency use authorization for people age 12 to 15 Safety closely monitored by the U.S. Centers for Disease Control and Prevention (CDC) and FDA	FDA emergency use authorization Safety closely monitored by the CDC and FDA	FDA emergency use authorization Continues to be recommended by the FDA and CDC after a pause because the benefits outweigh the risks Safety closely monitored by the CDC and FDA
Eligibility	People age 12 and older can get the vaccine People who've had an immediate or severe allergic reaction to any of the vaccine's ingredients or after a prior dose of the vaccine and people who are allergic to polysorbate shouldn't get the vaccine People who've had an immediate allergic reaction to any vaccine or injectable medication should be cautious about getting the vaccine	People age 18 and older can get the vaccine People who've had an immediate or severe allergic reaction to any of the vaccine's ingredients or after a prior dose of the vaccine and people who are allergic to polysorbate shouldn't get the vaccine People who've had an immediate allergic reaction to any vaccine or injectable medication should be cautious about getting the vaccine	People age 18 and older can get the vaccine People who've had a severe allergic reaction to any of the vaccine's ingredients shouldn't get the vaccine
Cost	Free in the U.S.	Free in the U.S.	Free in the U.S.
Existing health conditions	You can get a vaccine if you have an existing health condition or if you're pregnant or breastfeeding. If you have existing health conditions, take medications, or you're pregnant, and you have questions about the vaccine, talk to your doctor.	You can get a vaccine if you have an existing health condition or if you're pregnant or breastfeeding. If you have existing health conditions, take medications, or you're pregnant, and you have questions about the vaccine, talk to your doctor.	You can get a vaccine if you have an existing health condition or if you're pregnant or breastfeeding. If you have existing health conditions, take medications, or you're pregnant, and you have questions about the vaccine, talk to your doctor.