

## Comparison between Pfizer and Moderna vaccines

	Pfizer-BioNTech	Moderna
Approved for patients	<b>≥ 16 years old</b>	<b>≥ 18 years old</b>
Mechanism	mRNA	mRNA
Dose/Volume	30 mcg/0.3 ml	100 mcg/ 0.5 ml
Doses per Vial	5 doses	10 doses
Time between 1st and 2nd dose	17 - 23 days	24 - 28 days
Storage	Ultra-Low Freezer	Freezer
Preservative Free	Yes	Yes
Latex and Egg Free	Yes	Yes
Vaccine Efficacy*	95%	94.5%
Number of patients in trials	~ 44,000	~ 30,000
Side Effects (Clinical Trials)*		
Injection Site Pain	84.1%	92.0%
Fatigue	62.9%	70.0%
Headache	55.1%	64.7%
Muscle Pain	38.3%	61.5%
Joint Pain	23.6%	46.4%
Chills	31.9%	45.4%
Fever	14.2%	15.5%
Post-dose observation	<p>History of severe reaction (eg, anaphylaxis) to other vaccine or injectable medication: 30 minutes</p> <p>All others (including non-severe allergy history): 15 minutes</p>	
Pregnancy/Lactation	Studies ongoing	Limited data from animal studies on pregnancy: no safety issues.
	<p>Neither are live vaccines. The American College of Obstetrics and Gynecology (ACOG) and Society for Maternal-Fetal Medicine (SMFM) recommend that pregnant and breastfeeding women be offered the vaccine if they are eligible. If you have questions, talk to your OB/GYN.</p>	
Immunosuppressed	<p>While there is no data yet in patients with suppressed immune systems or autoimmune conditions, these are not live vaccines and will not cause disease. Immunosuppressed are also at higher risk for COVID-19 complications and can receive the vaccine if they are eligible.</p>	
Who CANNOT get vaccine	<ul style="list-style-type: none"> <li>History of severe allergic reaction to any ingredients of this vaccine, or after a previous dose of this vaccine.</li> </ul>	

	<ul style="list-style-type: none"> <li>• CURRENTLY ACTIVE COVID-19 Infection (until recovered and quarantine period completed)</li> <li>• Received convalescent plasma or monoclonal antibodies for COVID-19 treatment within the previous 90 days.</li> </ul>
Other Vaccines	Separate from other vaccines by 2 weeks
Interchangeability	Products are NOT Interchangeable. Complete series with the same product you received for your first dose.
Side Effect Considerations	Side effects more likely after 2nd dose (within 1-2 days post dose and last up to 48 hours) and in those < 55 years
Need to Mask/Social Distance	Even after you receive two doses of the vaccine, it will still be important to continue following public health measures like masks and social distancing until we know more about vaccine and transmission risk. There may still be a risk for asymptomatic infection, through which you may be contagious to others

\*Symptomatic COVID infection

For those who have allergies, below is a list of ingredients taken from CDC. They are egg, latex and preservative free. Both have PEG, which what some are linking to the anaphylactic reactions though more data is needed.