



Comparing the COVID-19 Vaccines

A tool to help you see the differences between the three vaccines available in the U.S.

	Pfizer-BioNTech	Moderna	Johnson & Johnson
Protection against hospitalization or death	100%*		
Efficacy against symptomatic COVID-19	95%	94%	66%
	These results should not be compared to each other due to differences in time periods, populations, and variant virus circulation.		
Were there any safety concerns found in clinical trials?	No		
Number of doses	2	2	1
Time between doses	3 weeks (21 days)	4 weeks (28 days)	Does not apply.
Type of vaccine	mRNA	mRNA	Viral vector
How long does vaccine protection last?	Protection extends for at least several months after vaccination.		
Chance of allergic reactions?	All vaccines have a chance of rare allergic reactions.		
Common side effects	Pain at the injection site, fatigue, headache, chills and muscle aches. Most are mild and resolve in 1-2 days.		
Does the vaccine give you COVID-19?	No		
Does this vaccine alter your DNA?	No		

*Hospitalization and death were not prespecified study endpoints.