




| | Pfizer | Moderna | Johnson & Johnson |
|---|---|--|--|
| Safe and effective for ages |  16+ |  18+ |  18+ |
| Protection against death & hospitalizations* | 100% protection <i>1 week after 2nd dose</i> | 100% protection <i>2 weeks after 2nd dose</i> | 100% protection <i>4 weeks after single dose</i> |
| Protection against COVID-19 illness | 95% protection <i>1 week after 2nd dose</i> | 94% protection <i>2 weeks after 2nd dose</i> | 85% protection against severe disease <i>4 weeks after single dose</i> |
| Doses needed | 2 | 2 | 1 |
| Potential side effects | Injection site pain, fatigue, headache, muscle pain, joint pain, chills, fever | Injection site pain, fatigue, headache, muscle pain, joint pain, fever | Injection site pain, fatigue, headache, muscle pain, nausea, fever |
| Causes COVID-19 or changes genetic material | No | No | No |
| COVID-19 vaccine type | mRNA | mRNA | viral vector |
| Data Source | Clinical trials | Clinical trials | Clinical trials |

Please Note:

- These vaccines have NOT been compared in head-to-head studies.
- All three were developed and tested at different times and in different environments during the pandemic.
- mRNA vaccines use harmless genetic material (mRNA) to instruct the body to generate an immune response to COVID-19.
- Viral vector vaccines use a harmless modified version of a non-COVID-19 virus to generate an immune response.



*During the Moderna clinical trial, there was one person who was hospitalized 2 months after vaccination with an uncertain diagnosis that was probably COVID-19