

# COVID-19 Vaccine Update

By: APhA-ASP Operation Immunization

Pfizer-BioNTech Vaccine	Moderna Vaccine	Janssen vaccine	Phase 3 Clinical Trials
<ul style="list-style-type: none"> <li>● mRNA vaccine</li> <li>● 2-dose series given 21 days apart</li> <li>● Recommended for ages 16+</li> <li>● 95% effective in preventing COVID-19 in patients.</li> <li>● Does NOT contain: eggs, preservatives, or latex.</li> <li>● Common side effects at injection site: pain, swelling, redness.</li> <li>● Side effects throughout body: chills, tiredness, headache.</li> <li>● Side effects of body are more common after the second dose of the vaccine.</li> <li>● Data suggests that patients who received the Pfizer vaccine were less likely to develop serious side effects compared to those who received the saline placebo.</li> </ul>	<ul style="list-style-type: none"> <li>● mRNA vaccine</li> <li>● 2-dose series given 28 days apart</li> <li>● Recommended for ages 18+</li> <li>● 94.1% effective in preventing COVID-19 in patients.</li> <li>● Does NOT contain: eggs, preservatives, or latex.</li> <li>● Common side effects at injection site: pain, swelling, redness.</li> <li>● Side effects throughout body: chills, tiredness, headache.</li> <li>● Side effects of body are more common after the second dose of the vaccine.</li> <li>● Data suggests that patients who received the Moderna vaccine were less likely to be hospitalized compared to those who received the saline placebo.</li> </ul>	<ul style="list-style-type: none"> <li>● Viral Vector Vaccine</li> <li>● Single dose vaccine</li> <li>● Recommended for ages 18+</li> <li>● 66.3% effective in preventing COVID-19 in patients.</li> <li>● Does NOT contain: eggs, preservatives, or latex.</li> <li>● Common side effects at injection site: pain, swelling, redness.</li> <li>● Side effects throughout body: tiredness, headache, muscle pain, chills, fever, and nausea.</li> <li>● Side effects usually start within a day or two after vaccine.</li> <li>● Data suggests that patients who received the Moderna vaccine were less likely to be hospitalized compared to those who received the saline placebo.</li> </ul>	<ul style="list-style-type: none"> <li>● As of 02/27/21, There are 2 vaccines undergoing large-scale Phase 3 testing.</li> <li>● Phase 3 testing is conducted on a larger population (thousands of patients) and further evaluates efficacy of the vaccine. Patients who receive the vaccine will be compared to those who receive the placebo to determine vaccine efficacy.</li> <li>● The Phase 3 clinical trials include the vaccines of AstraZeneca, Novavax.</li> </ul>