

COVID-19 Vaccine

Vaccinating Idaho's Workforce

February 24, 2021

Laura McGeorge, MD FACP



When will my employees (or I) get my vaccine?

- CDC made [recommendations](#)
- Idaho COVID Vaccine Advisory Committee ([CVAC](#))
 - ✓ *Committee [members](#) represent stakeholders from across Idaho, including the tribes, priority populations, healthcare systems and providers, and immunization organizations, ensuring equitable access to COVID-19 vaccination across the state.*
 - ✓ *Sets [Tiers](#) (priorities)*



Getting Vaccine into arms

- Pipeline
 - ✓ *Feds*
 - ✓ *State*
 - ✓ *Health Depts*
- Vaccine Logistics
 - ✓ *Cold chain*
 - ✓ *2 doses*
- Supply changes
 - ✓ *More vaccinators*
 - ✓ *Vaccinator preference*
 - ✓ *Weather*
- Vaccine Operations



St. Luke's COVID Vaccine Team

- Project Management (4)
- Pharmacy
- Physician
- Clinic Operations
- Staffing
- Education
- IT
- Logistics
 - ✓ *Parking*
 - ✓ *Space for distancing*
- Public Relations
- Legal (CVAC member)

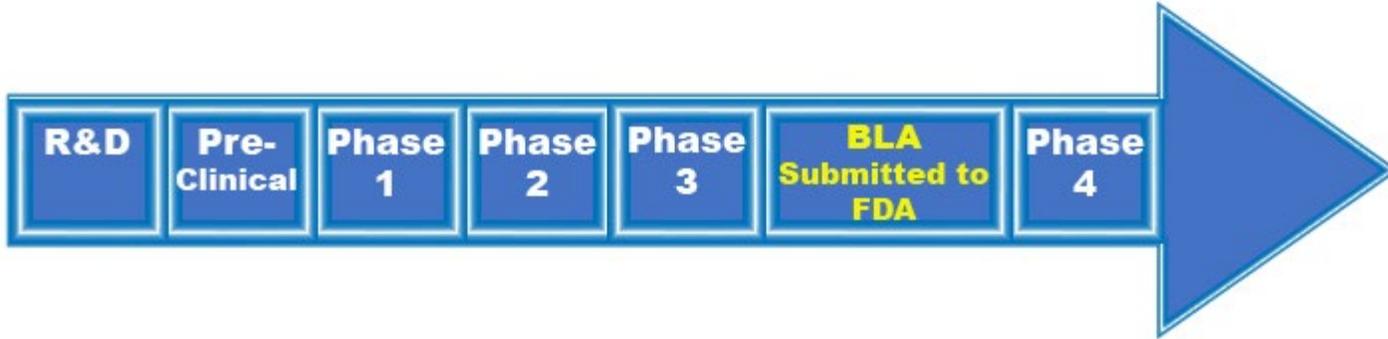


Vaccine Operations and Logistics

- IT (EPIC build, registries)
- Qualified staff
- Safety huddles
- Space (weekends and weekdays)
- Physical distancing
- Post-vaccine observation



COVID Vaccines and the FDA



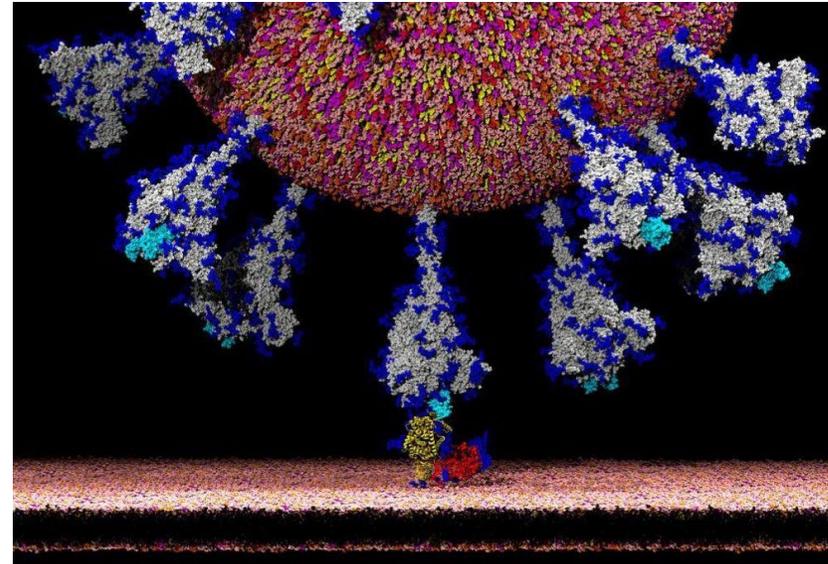
Phase 3 Large Randomized Double-Blinded Placebo Controlled

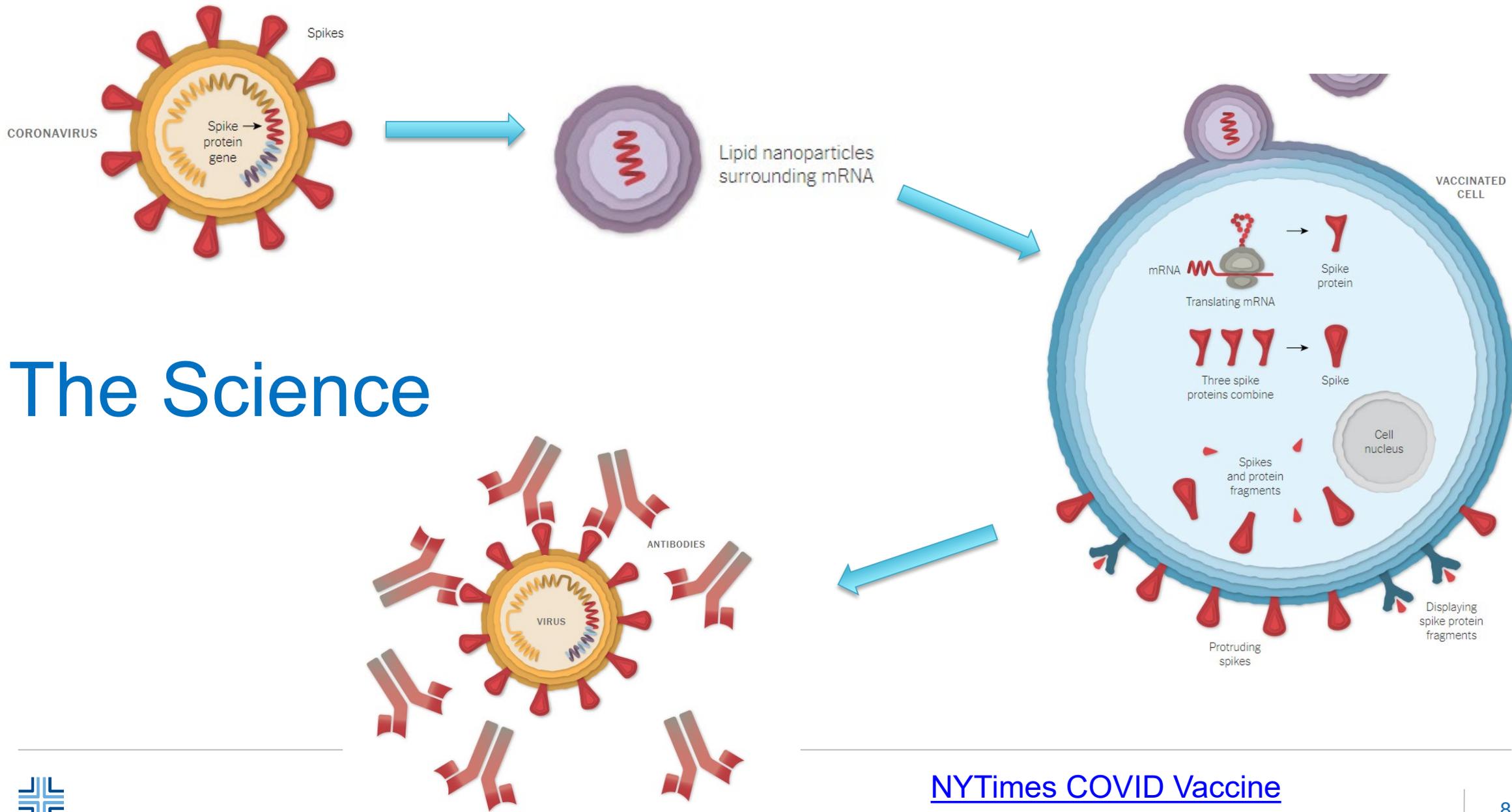




Messenger RNA Vaccines

- Technology is not new
- mRNA (instructions) surrounded by protective lipid (this is new)
- Instructions to make part of the spike protein





The Science



How Effective are the Pfizer + Moderna Vaccines?

- 1st dose: 50% effective
- 2nd dose: 95% effective
- Effectiveness is 2 WEEKS AFTER BOOSTER
- Effectiveness duration is unknown
- You must get the same vaccine for 1st and 2nd Vaccine



Vaccine Efficacy and Protection

Vaccine	Overall Efficacy
• <u>Pfizer/BioNTech</u>	95%
• <u>Moderna</u>	94.1%
• Oxford/AstraZeneca	90% (UK)
• Johnson & Johnson	72% (US)
• <u>Novavax</u>	89.3% (UK)
• <u>Gamaleya/Sputnik V</u>	91.4%



Vaccine Efficacy and Protection

Vaccine	Overall Efficacy	Protection from Severe Disease	Protection from Hospitalization/Death
• <u>Pfizer/BioNTech</u>	95%	100%	100%
• <u>Moderna</u>	94.1%	100%	100%
• Oxford/AstraZeneca	90% (UK)	100%	100%
• Johnson & Johnson	72% (US)	85%	100%
• <u>Novavax</u>	89.3% (UK)	<u>Unk</u>	100%
• <u>Gamaleya/Sputnik V</u>	91.4%	100%	100%



Who Should Get the Vaccine?

Almost everyone!

- Vaccines help YOU to avoid COVID
- Vaccines help YOU avoid severe COVID, even with a newer variant. Severe COVID can happen to anyone.
- Vaccines are key to stopping the pandemic
- Vaccines may not keep you from spreading COVID, so you still need to mask



Neither contraindications nor precautions to vaccination

Pfizer-BioNTech and Moderna COVID-19 vaccines

- History of allergic reactions not related to vaccines, injectable therapies, components of mRNA COVID-19 vaccines, or polysorbates, including:

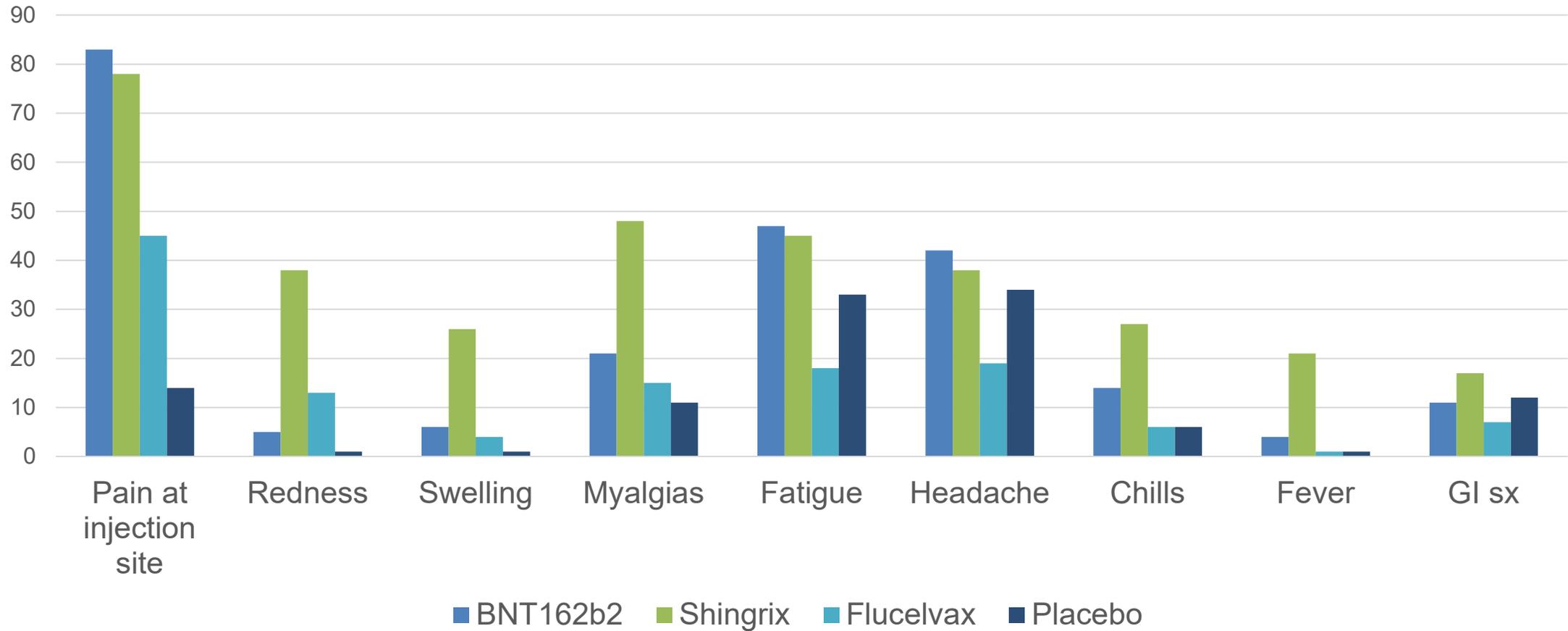
- | | |
|----------------------|---------------------------|
| ✓ Food | ✓ Oral medications |
| ✓ Pet dander | ✓ Latex |
| ✓ Venom | ✓ Eggs |
| ✓ Environment | ✓ Gelatin |

-Vaccines are both latex and egg free.

-Monitor all patients for 15 minutes after vaccination.

Symptoms to Expect after Vaccination

Your employees may need day off after mRNA vaccine, particularly the booster



You should know

1 This vaccine cannot give you the disease.

2 Get the second shot even if you have side effects after the first one, unless a vaccination provider or your doctor tells you not to get a second shot.

3 Immunity takes time! It takes time for your body to build protection after any vaccination. COVID-19 vaccines that require two shots may not fully protect you until two weeks after your second shot.

Yes! Keep masking & social distancing

*We must use every tool we have
to stop this pandemic.*

COVID-19 vaccines are very effective at preventing you from getting seriously ill from COVID-19. We do not yet know if vaccinated people can or cannot spread the virus to others (asymptomatic carriers).

To help **STOP THE SPREAD** of COVID 19, we must continue to use other tools, like wearing a mask that covers your nose and mouth and staying at least 6 feet away from other people you don't live with.

Strains and Vaccines

- All viruses (creatures) mutate
- Most mutations are inconsequential
- Newer mutations may be more contagious, BUT the mechanism of spread is the same...as are the public health recommendations.
- Current vaccines are effective, especially at preventing severe disease
- Annual COVID Vaccine booster?



FAQs:

- Does the vaccine change your DNA? **No**
- Is the vaccine a live virus? **No**
- Are mRNA vaccines new and if so, how do we know they're safe? **No, the lipid coating is new**
- Are the 1st and 2nd doses the same? **Yes**



FAQs:

- When am I safe from COVID after getting vaccinated?
 - ✓ *You are protected from severe illness, and to an unknown extent from asymptomatic infection, 2 weeks after the booster.*
- If the vaccine works, why do I still need to wear a mask afterwards?
 - ✓ *It is not yet known to what degree the vaccines protect from asymptomatic infection that could be transmitted to others.*
- If I am vaccinated, can I still be a carrier for COVID?
 - ✓ *Yes, you can.*



FAQs

- Does the vaccine work against the newer strains of COVID that we are hearing about in the news?
 - ✓ *So far, yes it does. Most importantly, the vaccines protect against severe disease.*
- Do I need to get vaccinated if I've already had COVID?
 - ✓ *Yes, the mRNA vaccines may provide more lasting immunity.*
- Can I get the vaccine if I'm on a blood thinner?
 - ✓ *Yes; there are no contraindications while on blood thinners. The question is asked because it reminds the vaccinator to be sure to use a smaller needle.*



Helpful Links

- [COVID-19 Vaccination | CDC](#)
- [COVID-19 Vaccine | Novel Coronavirus \(COVID-19\) \(idaho.gov\)](#)
- [COVID Vaccine Information - St. Luke's](#)



Thank You

