

COVID-19

Vaccine Update



What we know today...

Today's Agenda

- About the vaccines
- Do they work?
- Are they safe?
- How and when to get vaccinated?



About the Vaccines

Vaccine Candidates

- Two manufacturers have filed for FDA emergency use authorization
- Pfizer/BioNTech
- Moderna
- Others to follow

Two Doses

- Both of the vaccines will require two doses (booster)
- Pfizer 21 days apart
- Moderna 28 days apart
- Minimum, can be longer



mRNA Vaccines

- Does not use live virus
- mRNA enters muscle cells and uses them to make the COVID-19 spike protein
- Immune system builds a response and memory to the protein

Emergency Use Authorization

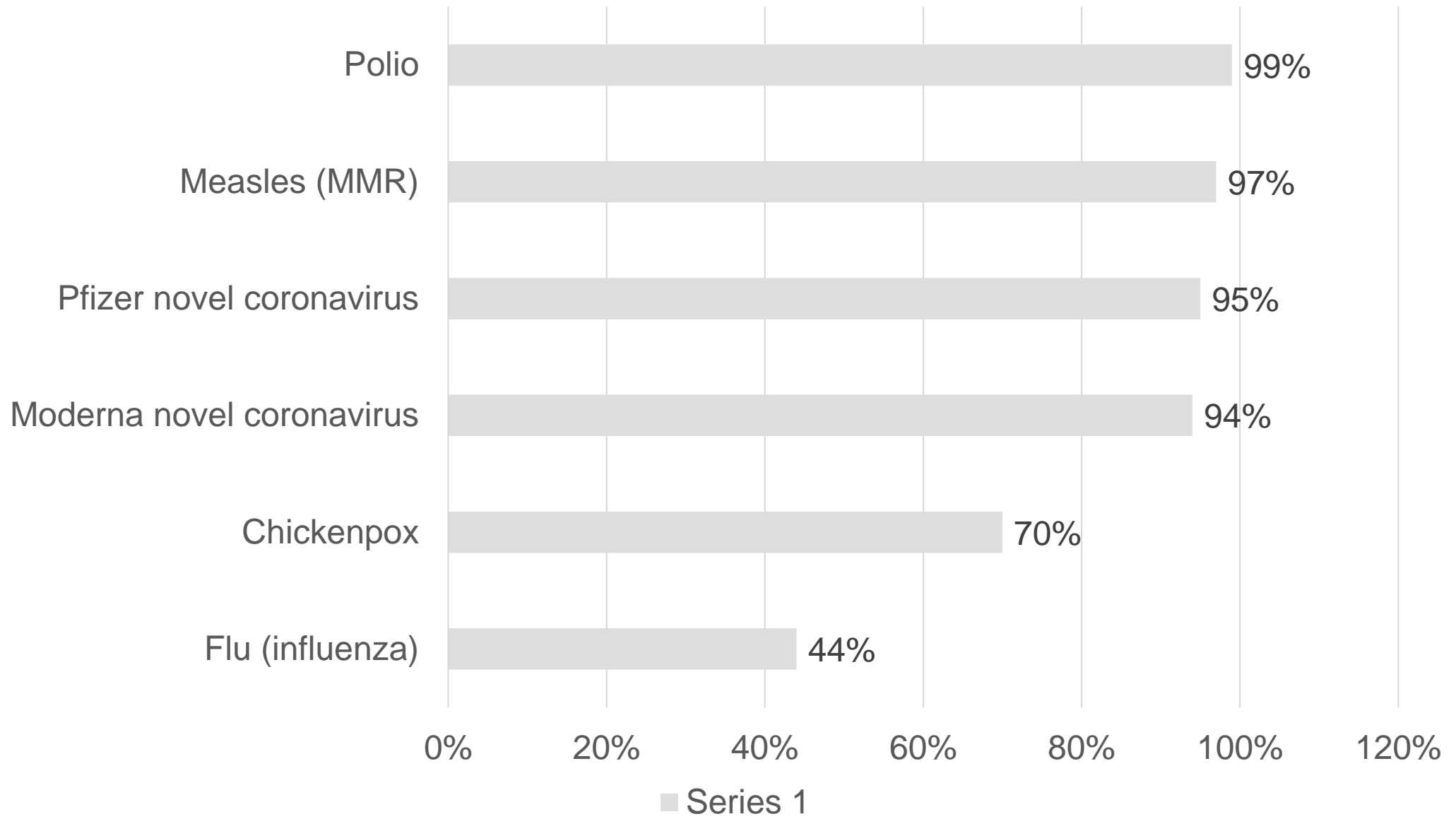
- Based on the need to use a vaccine quickly
- Pfizer being reviewed December 10
- Moderna being reviewed December 17
- We will learn more about the vaccines from the EUA

Do They Work?

Yes!

Efficacy

- 94-95% effective
- FDA only requires 50% efficacy



When Will it Work?

- After second dose



How Long Will it Work?

- It is likely that we will not know the answer to that question when a vaccine is released
- Will require more research
- Manufacturers and FDA continue to study
- May require boosters in the future

Are They Safe?

Safety

- Tested in over 70,000 people
- Side effects or reactions are possible
- Mostly mild/short term
- Should not deter being vaccinated

Side Effects

- Headache
- Muscle pain
- Fatigue
- Chills
- Fever
- Pain at injection site

Adults 18-55

Data from published Phase I/II trials

Adults 18–55 years of age

Moderna¹

100µg	Post-dose 1			Post-dose 2		
	Mild	Moderate	Severe	Mild	Moderate	Severe
N=15						
Fever	—	—	—	5 (33%)	1 (7%)	—
Headache	4 (27%)	—	—	5 (33%)	4 (27%)	—
Myalgia	1 (7%)	—	—	2 (13%)	6 (40%)	—

Pfizer²

30µg	Post-dose 1			Post-dose 2		
	Mild	Moderate	Severe	Mild	Moderate	Severe
N=12						
Fever	1 (8%)	1 (8%)	—	—	2 (17%)	—
Headache	3 (25%)	1 (8%)	2 (17%)	6 (50%)	2 (17%)	—
Myalgia	1 (8%)	1 (8%)	1 (8%)	4 (33%)	3 (25%)	—

Older Adults

Data from published Phase I/II trials Community-dwelling older adults

Moderna¹
≥71 years of age

100µg	Post-dose 1			Post-dose 2		
	Mild	Moderate	Severe	Mild	Moderate	Severe
N=10						
Any systemic symptom	3 (30%)	—	—	3 (30%)	3 (30%)	1 (10%)*

*Grade 3 fatigue

Pfizer²
65-85 years of age

30µg	Post-dose 1			Post-dose 2		
	Mild	Moderate	Severe	Mild	Moderate	Severe
N=12						
Fever	—	—	—	1 (8%)	—	—
Headache	—	—	—	2 (17%)	1 (8%)	—
Myalgia	—	—	—	2 (17%)	1 (8%)	—

Staggering Groups / Screening

- Side effects could cause people to fail screening
- Could create staffing challenges
- Still evaluating recommendations

How and When?

We Are a Priority!

Phase 1a

Health care personnel
Long term care residents

Phase 1b

Essential workers (education sector, food and agriculture, police, etc.)

Phase 1c

Adults with high-risk medical conditions
Adults 65+

We Are a Priority!

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Phase 1a

Healthcare Personnel (~21 million)	Long Term Care Facility Residents (~3 million)
Hospitals Long-term care facilities Outpatient clinics Home health care Pharmacies Emergency medical services Public health	Skilled nursing Assisted living Other residential care

Each State Will Be Different

- Initial doses may be limited
- 5-10 million doses per week
- 40 million doses expected by the end of December
- Enough to vaccinate 20 million people

Two Options

**County/state run
vaccine sites**

Staff

**Onsite vaccine clinics
with CVS, Walgreens, or
other pharmacy
provider**

Residents and Staff

Onsite Clinics

- CVS, Walgreens, other
- May begin in next few weeks
- 3 clinics approximately 30 days apart

Next Steps

- Watch for communication from CVS/Walgreens
- Prepare releases/vaccine records
- Coordinate dates/times
- Identify space and plan for COVID precautions



Other Considerations

Documentation

- Track vaccination status
- Resident record
- Employee record



v-safe
after vaccination
health checker



**Get vaccinated.
Get your smartphone.
Get started with v-safe.**

V-safe is a smartphone-based tool that checks in on you after your COVID-19 vaccination. Your participation helps keep COVID-19 vaccines safe — for you and for everyone.

If you got vaccinated in the last 6 weeks, you can participate in v-safe!

It takes just a few minutes to register and get started. All you need is your smartphone and information about the COVID-19 vaccine you received. This information can be found on your vaccination record card. If you cannot find your card, please contact your healthcare provider.

- 1 Register for v-safe**
Enter basic information about yourself and follow the prompts to set up your account.
- 2 Enter your vaccine information**
Tell us which COVID-19 vaccine you received and when you got it.
- 3 Start your health check-ins!**
You will receive text reminders when it is time to complete your health check-ins.

What if I Already Had COVID

- Still get vaccinated
- EUA should clarify if any waiting period is recommended

Testing

- The vaccine will not cause you to test positive on viral tests
- May cause positive **antibody** tests

Pregnancy or Breastfeeding

- 75% of health care workforce are women
- Approximately 330,000 personnel could be pregnant or recently postpartum
- No data on use of mRNA vaccines
- Await emergency use authorization



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