

IMMUNIZE. PREVENT WHAT'S PREVENTABLE

COVID-19 Vaccines Myths & Misinformation



THE
IMMUNIZATION
PARTNERSHIP

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THE IMMUNIZATION PARTNERSHIP

Vision

A community protected from vaccine preventable diseases

Mission

To eradicate vaccine-preventable diseases by educating the community, advocating for evidence-based public policy, and supporting immunization best practices



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DISCLOSURE AND DISCLAIMER

- The speakers and planning committee have disclosed no conflicts of interest
- This presentation is for educational use only and does not constitute medical or legal advice



AGENDA

COVID-19 Vaccine Myths and Facts

The Importance of Getting Vaccinated

How to Dispel Myths and Misinformation: General Tips

Helpful Resources



COVID-19 Vaccine Myths and Facts





moderna



- EUA authorized: Dec. 11, 2020
- 2 doses

- EUA authorized: Dec. 18, 2020
- 2 doses

- EUA authorized: Feb. 11, 2021
- 1 dose



Common Myth:

The COVID-19 vaccine is not safe because it was developed too quickly.



FACT:

The COVID-19 vaccines were determined to be both safe and effective prior to receiving Emergency Use Authorization.



Factors of Vaccine Development Speed

- 1. Global public health threat - #1 priority**
 - **Unprecedented number of vaccine candidates / public and private funding**
 - **Included "Operation Warp Speed"**
- 2. Decades of prior research**
 - **Other coronaviruses (SARS and MERS)**
 - **Previous vaccine research using mRNA technology for other viruses such as Zika, rabies, and influenza**



	PFIZER / BioNTech	MODERNA	JOHNSON & JOHNSON / Janssen
ELIGIBILITY	12 years and older	18 years and older	18 years and older
DOSES	2 shots 21 days between shots	2 shots 28 days between shots	1 shot
Overall efficacy against COVID-19	95% effective in preventing COVID-19 starting 7 days after the 2nd dose	94.1% effective in preventing COVID-19 starting 14 days after 2nd dose	72% effective in preventing COVID-19 starting 28 days post vaccination*
Efficacy against hospitalization & death	100% effective	100% effective	100% effective**
Common Vaccine Reactions	Pain at injection site, fatigue, headache, muscle pain, chills, joint pain, fever	Pain at injection site, fatigue, headache, muscle aches, joint aches, nausea, vomiting, swelling and tenderness in the armpit	Pain at injection site, headache, fatigue, muscle aches and nausea

***efficacy and associated timelines based on clinical trials.**

Per CDC, an individual is considered "fully vaccinated" 2 weeks following the last dose of their series.

* The difference in effectiveness between vaccines may be due to differences in the clinical trials, including timing of studies and presence of variants in the population.
 ** The Johnson & Johnson vaccine is 93% effective at preventing hospitalization and 100% effective at preventing death.
 Source: FDA. COVID-19 Vaccines



COVID-19 Vaccines in the United States

as of June 30th, 2021

Total doses administered:

326,521,526 doses administered

Fully vaccinated:

154,884,686 (46.7% of pop.)

At least one dose:

180,674,739 (54.4% of pop.)

Rare adverse event reports:

- **Anaphylaxis (severe allergic reaction)**
Occurred in approximately 2 to 5 people per million vaccinated.
- **Thrombosis with thrombocytopenia syndrome (TTS)**
38 confirmed reports as of June 28, 2021.
- **Myocarditis and pericarditis**
518 confirmed reports as of June 28, 2021.



J&J Pause & Ongoing Safety Monitoring

The CDC and FDA recommended a temporary pause of the J&J vaccine on April 13th following several reports of a **rare blood clot condition**, thrombosis with thrombocytopenia syndrome (TTS), 1-2 weeks following vaccination.

- As of June 28, 2021, **38 confirmed cases of TTS (submitted to VAERS)** have occurred among the more than 12.3 million doses of the J&J in the United States. Majority of cases occurred among women between 18 – 59 years.
- Pause was lifted on April 23rd after review of all available data showed that the J&J/Janssen COVID-19 Vaccine's known and **potential benefits outweigh its known and potential risks.**
- Women 50 and younger should be aware of this rare but adverse event risk.



Common Myth:

Some COVID-19 vaccines are "better" than others.



FACT:

All 3 COVID-19 vaccines are 100% effective at preventing death from COVID-19.



Common Myth:

The COVID-19 vaccine will alter an individual's DNA.



FACT:

mRNA only sends instructions to your cells before it is destroyed – it never enters the cell's nucleus and cannot alter your DNA.



Common Myth:

Receiving the vaccine will give you the virus.



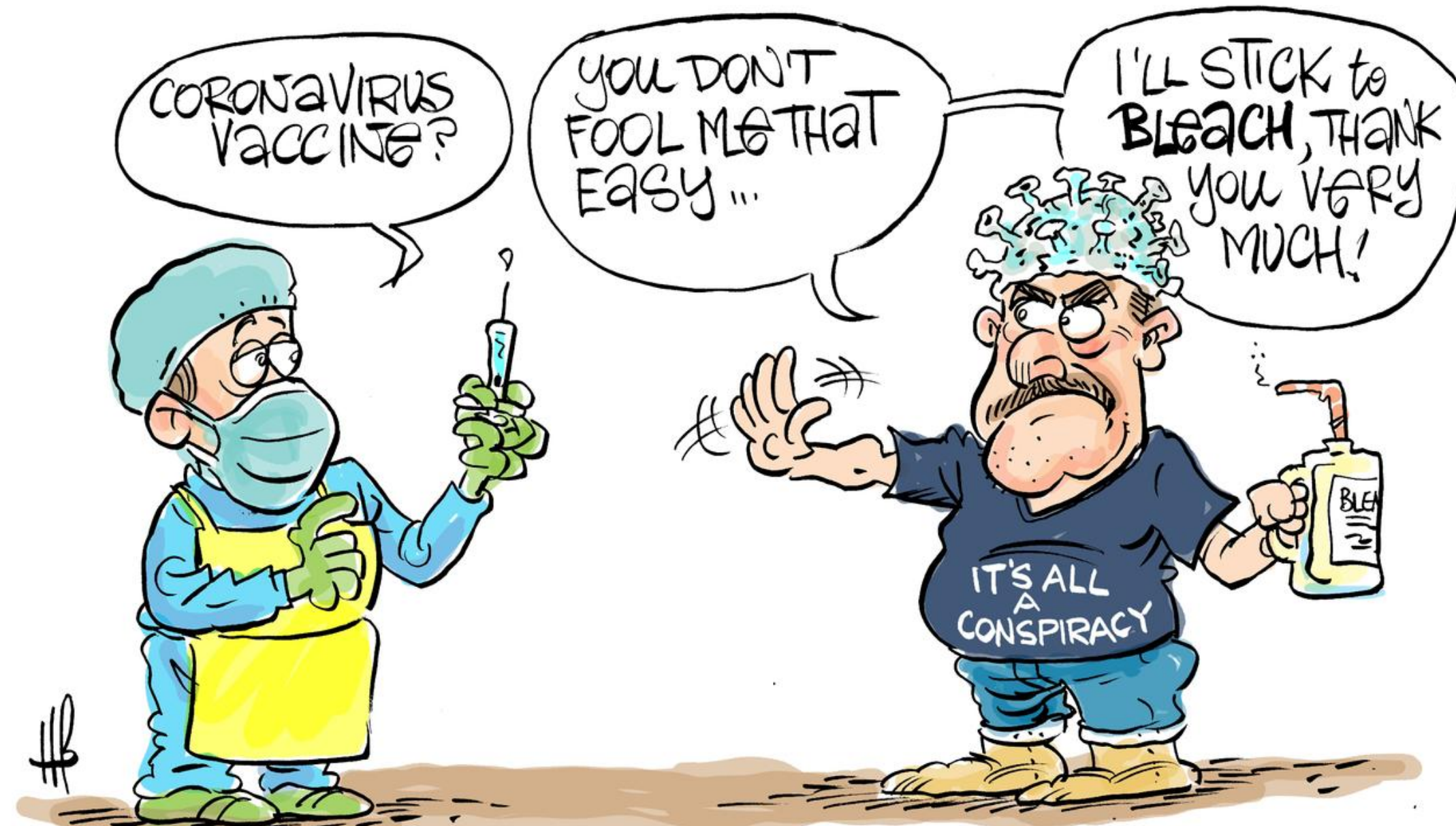
FACT:

None of the COVID-19 vaccines contain the actual SARS-Cov-2 virus and cannot give you COVID-19.



Common Myth:

People who have already had COVID-19 should not get the vaccine.



FACT:

The CDC recommends everyone, including individuals with a prior COVID-19 illness, get vaccinated.



Common Myth:

Immunocompromised individuals can't receive the COVID-19 vaccine, or it doesn't work for them.

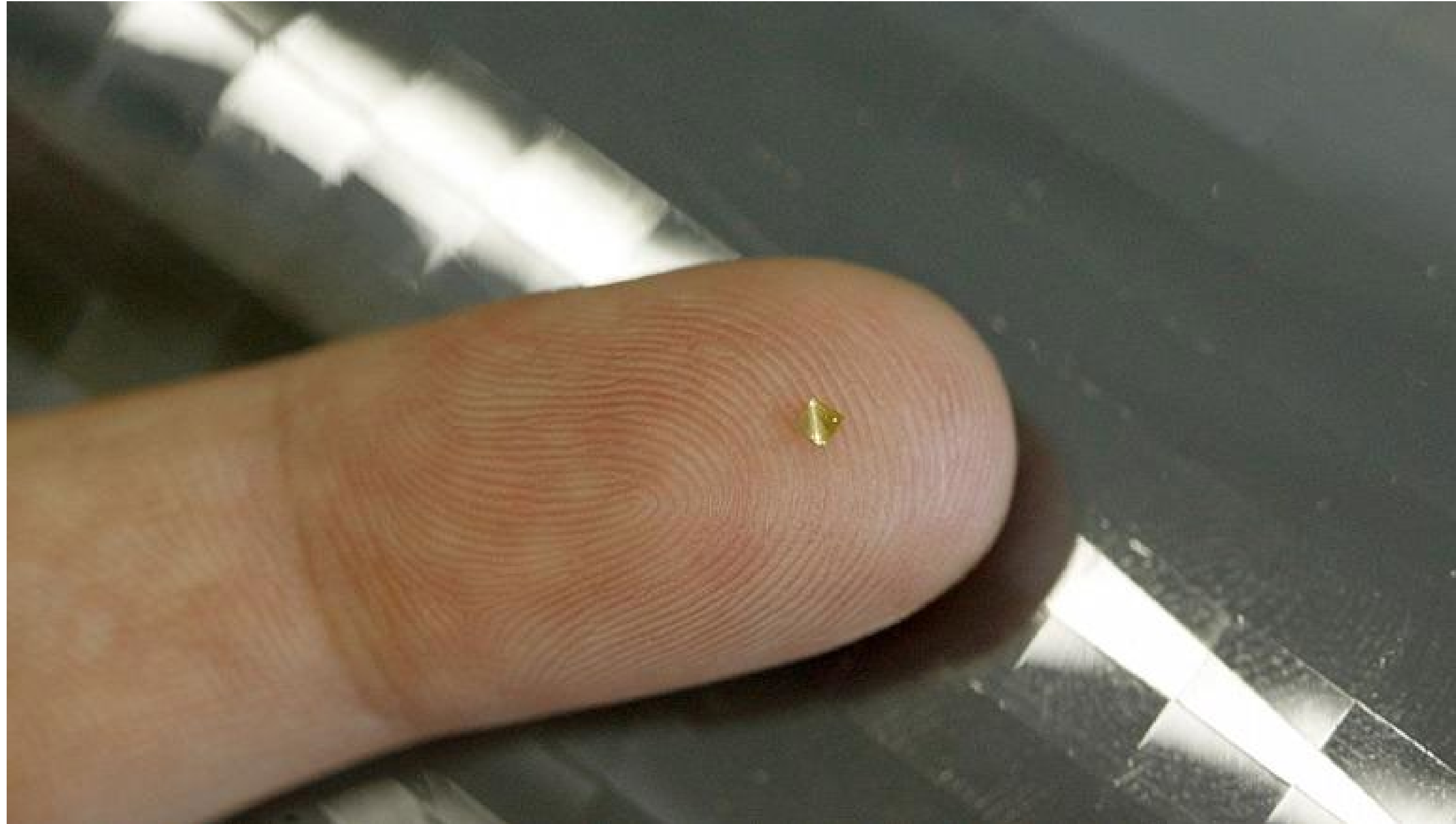


FACT:

People who are immunocompromised may receive the COVID-19 vaccine but are advised to speak with their provider first.



Common Myth: The COVID-19 vaccine contains a microchip.



FACT:

The COVID-19 vaccine does not contain a microchip or any type of tracking device – only essential vaccine ingredients.



Common Myth:

The COVID-19 vaccines contains fetal cells.



FACT:

The COVID-19 vaccines do not contain fetal cells. Instead, fetal cells from several decades-old terminations have been replicated to grow and test vaccines in laboratory settings.



Common Myth:

People who are pregnant or breastfeeding cannot receive the COVID-19 vaccine.



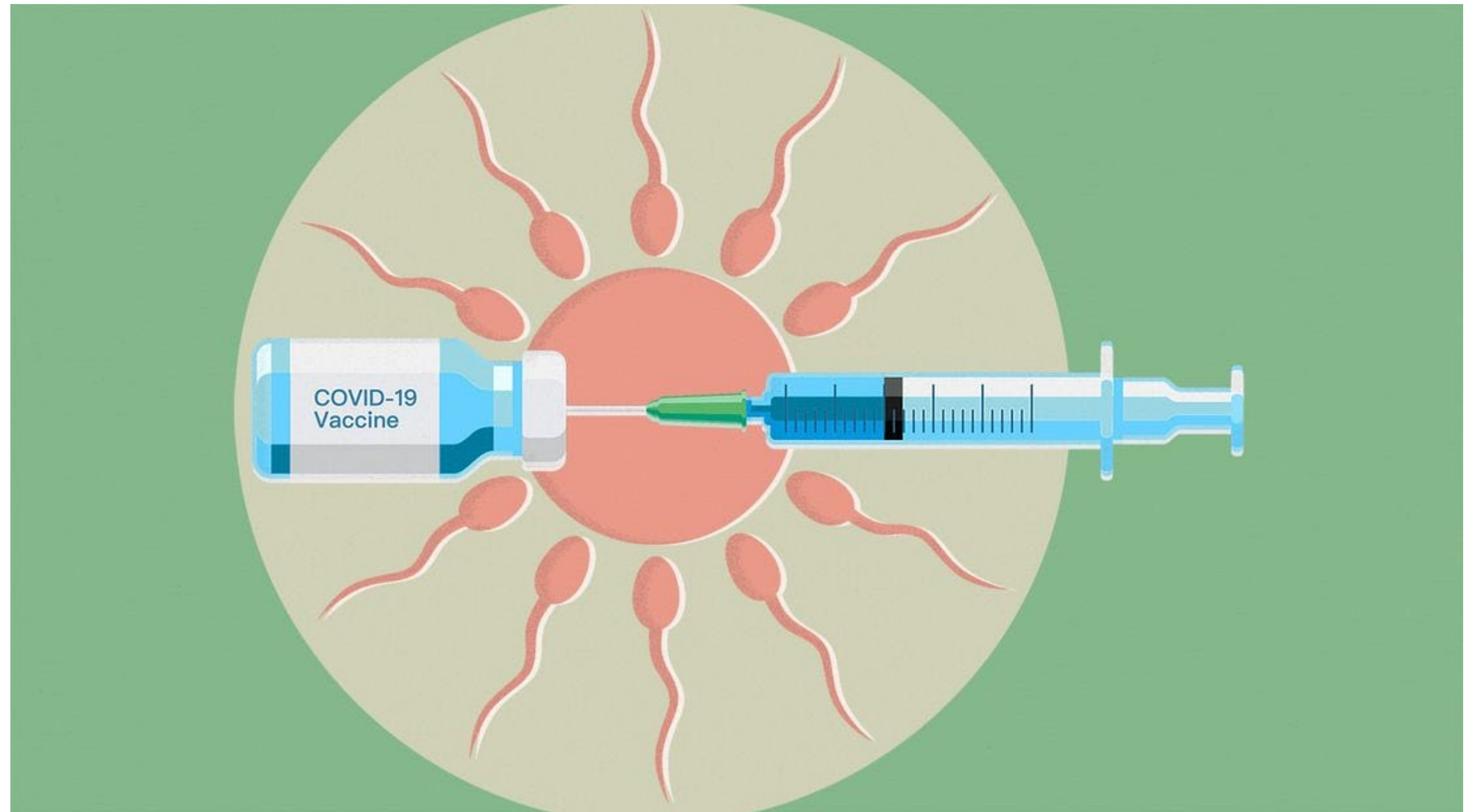
FACT:

Both the CDC and ACOG have stated that pregnant and breastfeeding people can receive the COVID-19 vaccine if they wish.



Common Myth:

The COVID-19 vaccine will make women infertile.



FACT:

There is no biologic evidence or safety data among vaccinated individuals to indicate the COVID-19 vaccines can impact a woman's fertility.



The Importance of Getting Vaccinated



take your
**BEST
SHOT!**

Protect yourself
and your loved ones.
Get vaccinated
against COVID-19.



Getting vaccinated against COVID-19 is the best form of protection for yourself, your loved ones, and your community.



New data continues to show vaccines are both effective and safe in real world settings

mRNA COVID-19 vaccines are highly effective in preventing infections in real-world conditions



Nearly 4,000* health care personnel, first responders, and essential workers were tested weekly for the virus that causes COVID-19



Those who were fully vaccinated[†] were **90% less likely** to get infected

* Effectiveness of Pfizer-BioNTech and Moderna mRNA vaccines among 3,950 study participants in eight U.S. locations from December 14, 2020, to March 13, 2021. Participants self-collected specimens weekly regardless of symptoms and collected additional specimens if they became sick.

[†] Fully vaccinated = 2 weeks after 2nd dose

CDC.GOV

bit.ly/MMWR32921

MMWR

CDC HEROES-RECOVER Study among healthcare workers showed mRNA COVID-19 vaccines to be 90% effective at preventing infection in real world settings.

Continued monitoring of clinical trial participants shows high efficacy and safety 6+ months following vaccination.

NEWS / Pfizer and BioNTech Confirm High Efficacy and No Serious Safety Concerns Through Up to Six Months Following Second Dose in Updated Topline Analysis of Landmark COVID-19 Vaccine Study

PFIZER AND BIONTECH CONFIRM HIGH EFFICACY AND NO SERIOUS SAFETY CONCERNS THROUGH UP TO SIX MONTHS FOLLOWING SECOND DOSE IN UPDATED TOPLINE ANALYSIS OF LANDMARK COVID-19 VACCINE STUDY

Thursday, April 01, 2021 - 06:45am



Herd Immunity – can we achieve it?



I'm vaccinated, now what?



People are considered **fully vaccinated 2 weeks after their last dose.**
(either 2nd dose for Pfizer/Moderna or 1st for J&J)



How to Dispel Myths & Misinformation



How to dispel myths & misinformation

- **Be knowledgeable about scientific evidence**
avoid repeating the myth (starve it of oxygen) and double down on evidence-based science in simple and straightforward formats.
- Be empathetic to a **parent's desire to protect their child** as well as **diverse cultural perspectives**.
- Clearly communicate evidence in a **tailored message** to be most effective the targeted community.



Motivational Interviewing

“Motivational interviewing is a counseling method that helps people resolve ambivalent feelings and insecurities to find the internal motivation they need to change their behavior.”³⁰

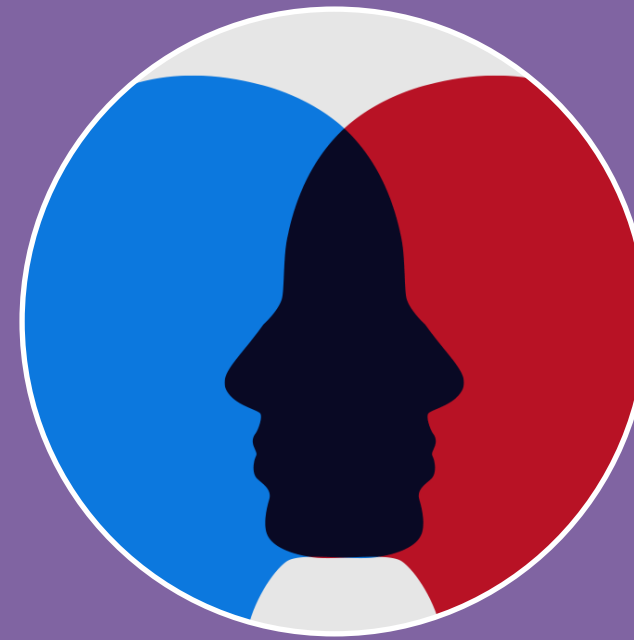




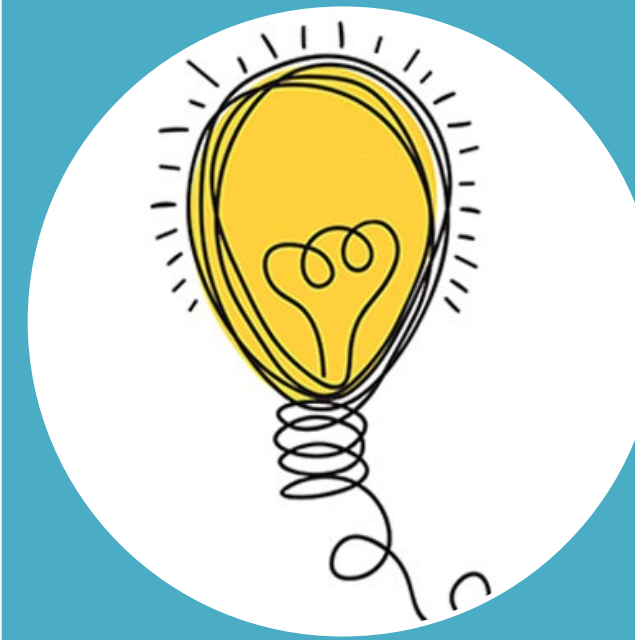
**Open-ended
Questions**



Affirmations



**Reflective
Listening**



Summarize

Essential Aspects of Motivational Interviewing (OARS)





Open-ended Questions

Open-ended question examples:

- “What brings you in the clinic today?”
- “Tell me more about why you are hesitant to vaccinate your child...”
- “Who have you talked to about vaccines?”
- “What questions do you have for me?”
- “Where do you feel comfortable getting information about vaccines?”





Affirmations

Affirmation examples:

- “You’re obviously really good at...”
- “You handled yourself really well in that situation.”
- “It sounds like you’ve been very thoughtful about your decision.”
- “I appreciate that you are willing to talk to me about vaccines.”



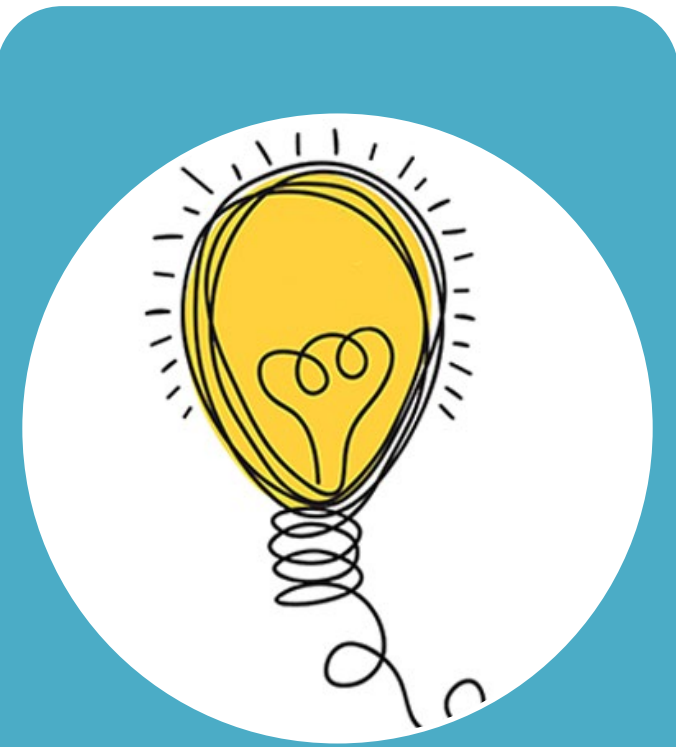


Reflective Listening

Reflective listening examples:

- “You seem frustrated when you talk about vaccines...”
- “I noticed you smiled when you said that...”
- “You mentioned that you won’t vaccinate your child because you aren’t sure of the ingredients. That seems to make these check-up appointments very stressful for you.”





Summarize

Summarizing examples:

- A collective summary – “So what I’m hearing is...”
- A linking summary – “When you first came in you said you wanted to talk to your wife about allowing your child to get vaccinated...would you like to talk more about how to do that?”
- A transitional summary – “We’ve just gone over the next time you and your child are scheduled for a booster. Remember, we’re always here to help if you have concerns. Do you have any other questions before you leave today?”

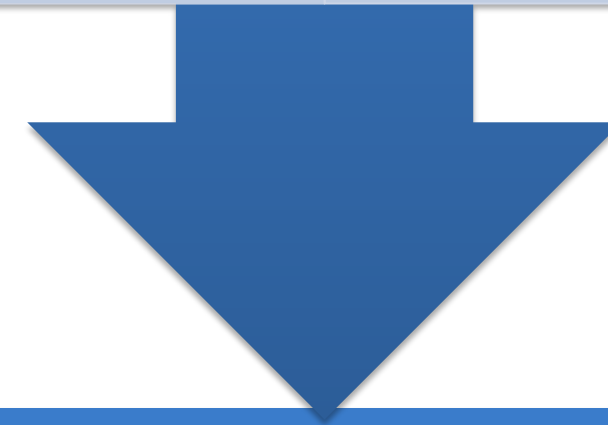


Motivational Interviewing Scenario

Open-ended Question

Nurse: How can I help you today?

Patient: I'm scheduled to get my COVID-19 vaccine today, but I really don't know if its safe. I saw on Facebook that it could change my DNA.



Affirmations

Nurse: It is clear that you care about what you put in your body and that is very important. However, I can assure you that the vaccine is safe and does not change your genetic make-up. According to the CDC, (explains why vaccines are safe)...

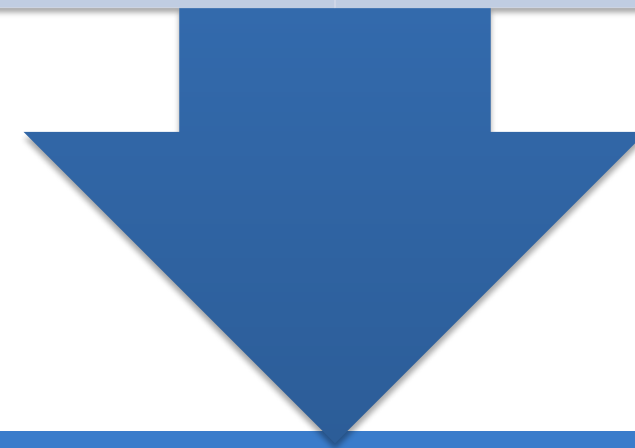
Patient: Okay, thanks for explaining why its safe. It's just really scary. *discusses fear of how the vaccine actually works*



Reflective Listening

Nurse: I noticed that your voice sounded shaky when you talked about your fear of how the vaccine actually works – and that's okay. Let me explain the process...

Patient: Thanks for explaining the process. That makes me feel much better.



Summarize

Nurse: We've just gone over why vaccines are safe and how the COVID-19 vaccine works in your body. Remember, we're always here to help if you have additional concerns. Do you have any other questions before we administer the vaccine?

Patient: No, I appreciate you breaking it down for me. I think I'm ready to take it. Thank you!



Helpful Resources





CDC, COVID-19:

<https://www.cdc.gov/coronavirus/2019-ncov/index.html>

CDC, Vaccines for COVID-19

<https://www.cdc.gov/coronavirus/2019-ncov/vaccines/index.html>



CDC, COVID Data Tracker – Vaccinations in the U.S.:

<https://covid.cdc.gov/covid-data-tracker/#vaccinations>

ACOG, COVID-19 Vaccination Considerations for Obstetric–Gynecologic Care:

<https://www.acog.org/clinical/clinical-guidance/practice-advisory/articles/2020/12/vaccinating-pregnant-and-lactating-patients-against-covid-19>

Children's Hospital of Philadelphia, Questions and Answers about COVID-19 Vaccines

<https://www.chop.edu/centers-programs/vaccine-education-center/making-vaccines/prevent-covid>



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THANK YOU!



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