

COVID19 VACCINE DISCUSSION

TARIKA JAMES, MD
CHIEF MEDICAL OFFICER
LONG ISLAND FQHC, INC.



JUST THE FACTS

- 29.1 million have been infected in the US
 - 421,052 Healthcare personnel has been infected with COVID 19 virus, and 1,391 have died.
- As of 3/8/2021
 - 92.1 million vaccines given (NY State 5.42 million)
 - 31.5 million people received 2 doses (NY State 1.75 million)
 - 9.59% of the US population have been vaccinated



COVID19 VACCINE FACTS

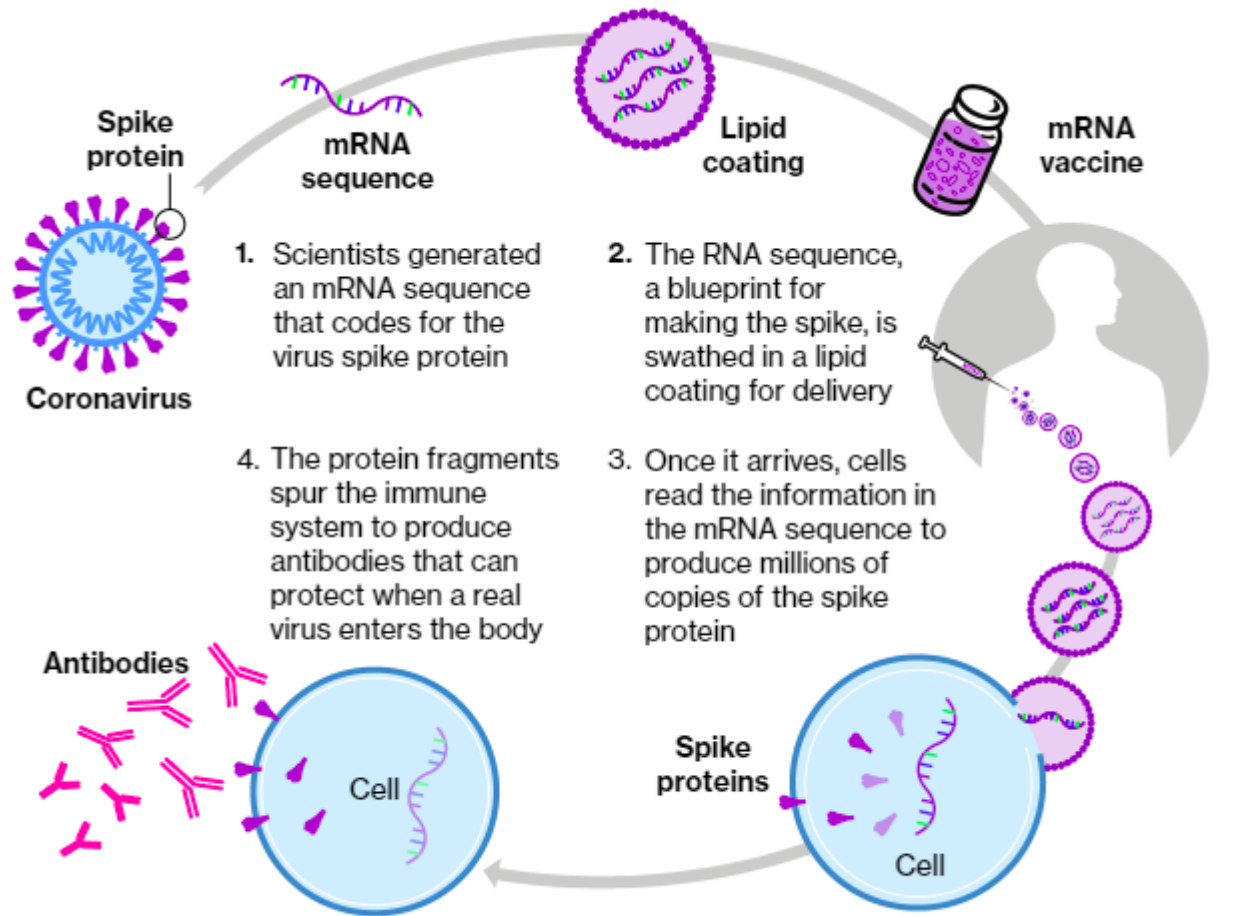
	PFIZER/BIONTECH	MODERNA	Johnson & Johnson/Janssen
TYPE	Nucleic Acid messenger RNA (mRNA)	Nucleic Acid messenger RNA (mRNA)	Adenovirus based (human)
DOSING/INTERVAL	2 shots, 21 days apart	2 shots, 28 days apart	1 dose
AGES	16+	18+	18+
EUA	12/11/2020	12/18/2020	
EFFICACY	95%	94.5%	~66-72%*
STORAGE	-94 degrees F ?	36-46 degrees F	35-46 degrees F for at least 3 months
SIDE EFFECTS	Pain at the injection site, tiredness, headache, muscle pain, chills, joint pain, and fever	pain at the injection site, tiredness, headache, muscle pain, chills, joint pain, swollen lymph nodes in the same arm as the injection, nausea and vomiting, and fever.	Pain at injection site, fatigue, headache, muscle pain, and joint pain, fever

WHAT IS AN MRNA VACCINE?

Get the Facts About mRNA Vaccines

Did you know?

- mRNA stands for **messenger RNA**.
- These vaccines **deliver instructions** (mRNA) to muscle cells to make a protein (or just a piece of protein).
- This **protein is what triggers** an immune response in the body.
- After the protein is made, your cells break it down and **get rid of it**.
- mRNA vaccines **do not** put a weakened, inactivated or dead germ into your body.
- mRNA **won't change your DNA**. It never enters the nucleus of cells where your DNA is located.
- mRNA vaccines are new, but they've been in **development for decades** for viruses, like flu and Zika.
- Cancer researchers have even used mRNA to **target specific cancer cells**.



Sources: Pfizer, Bloomberg research

COVID-19 mRNA vaccines do not change or interact with your DNA in any way.

Clinical trials for the J&J/Janssen vaccine included people from the following racial and ethnic categories:

- 58.7% White
- 45.3% Hispanic or Latino
- 19.4% Black or African American
- 9.5% American Indian or Alaska Native
- 5.6% Multiple races
- 3.3% Asian
- 0.2% Native Hawaiian or other Pacific Islander

Sex breakdown:

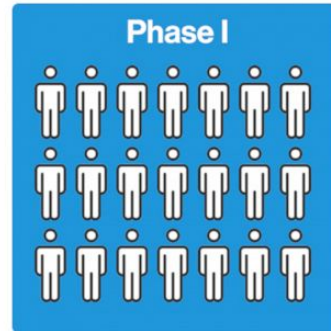
- 54.9% Male
- 45.0% Female
- <0.1% Undifferentiated or unknown sex

Age breakdown:

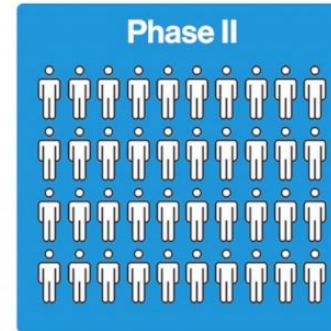
- 66.5% 18–59 years
- 33.5% 60 years and older
 - 19.6% 65 years and older
 - 3.5% 75 years and older

Covid-19 Vaccine Watch

VACCINE HUMAN TRIAL PHASES



Usually less than 100 people, and monitors for safety at multiple doses.



Slightly larger and looks for safety and early effectiveness.



Large scale, normally 30,000 patients, and is the test of effectiveness and long term safety in multiple populations.

SAFE AND EFFECTIVE VACCINE IN 12-18 MONTHS:
Reasons for rapid distribution of a safe and effective vaccine without cutting corners include: 1) Previous experience with coronaviruses like MERS and SARS. 2) Running trial phases simultaneously. 3) Government financing allowing development, trials, manufacturing and distribution without a financial risk to the companies. Any vaccine will require FDA authorization before being made available to the US population.

SOURCE: WHO

abc NEWS

Family Health Centers
LONG ISLAND FQHC, INC.

10TH ANNIVERSARY

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WHO IS ELIGIBLE TO GET THE COVID VACCINE?

- **Eligible New Yorkers in Phase 1a and 1b**
 - Health Care Workers
 - Essential Workers
- February 15: 1c Persons with chronic conditions
- Beginning March 10 New Yorkers 60 years of age and older will be eligible to receive the vaccine,
- As of March 17,
 - Public-facing government and public employees
 - Not-for-profit workers who provide public-facing services to New Yorkers in need
 - Essential in-person public-facing building service workers



PROS AND CONS OF VACCINATION

Benefits

- Health care workers are at higher risk of exposure than the general population therefore can benefit from the added protection
- All COVID-19 vaccines that are in development are being carefully evaluated in clinical trials and will be authorized or approved only if they make it substantially less likely you'll get COVID-19.
- Good safety profile -Although few people in the clinical trials were admitted to the hospital, this happened less often in the people who got the COVID vaccine compared to people who got the saline placebo.
- Over time and with many people receiving the vaccine, we will see the herd immunity phenomenon.

Risks

- Post vaccination effects
 - Local and systemic reactions especially after the second dose (most are mild to moderate)
Anaphylaxis occurs on 0.63% of the population
 - Flu-like Symptoms within 24hrs:
 - Fever/chills
 - Pain/swelling at injection site
 - Headaches
 - Fatigue
- Contraindications to vaccination



COMMON REASONS FOR VACCINE HESITANCY

Reasons	Things to consider....
People of color have a deep-rooted historic distrust of the healthcare system	Demographic information from clinical trials Clinical trials for the vaccines have been more and more racially and ethnically diverse that in the past
The speed of development and the lack of longitudinal studies	<ul style="list-style-type: none"> • Researchers used existing networks to conduct COVID-19 vaccine trials. • Manufacturing began while clinical trials are still underway. Normally, manufacturing doesn't begin until after completion of the trials. • mRNA vaccines are faster to produce than traditional vaccines. • FDA and CDC are prioritizing review and authorization of COVID-19 vaccines.
The belief that the COVID19 Vaccine will make you sick with COVID19 Virus	<p>COVID-19 vaccines are being held to the same safety standards as other routine vaccines. Several expert and independent groups evaluate the safety of vaccines being given to people in the United States.</p> <p>Before ANY vaccines receive authorization or approval, FDA carefully reviews all the safety data from clinical trials. And the Advisory Committee on Immunization Practices, or ACIP, which is an independent body of experts, reviews all safety data before recommending use. FDA and ACIP have qualified scientific and clinical experts with minimal conflicts of interest reviewing all of the data.</p> <p>After ANY vaccines are authorized and in use, both FDA and CDC continue to monitor the safety of vaccines.</p>
Once you've had the virus, you don't need the vaccine	You should be vaccinated regardless of whether you already had COVID-19. That's because experts do not yet know how long you are protected from getting sick again after recovering from COVID-19

VACCINES AND MASKS?

- Here is what the new [CDC guidelines](#) lay out:
- Fully vaccinated people can visit other fully vaccinated people indoors without masking or physical distancing.
- Fully vaccinated people can visit one unvaccinated household where the people there are at a low risk of contracting a serious coronavirus illness.
- Fully vaccinated people do not need to quarantine after exposure to someone infected with COVID-19 if they do not have any symptoms of the disease.
- Unvaccinated people from different households should continue to wear masks, avoid indoor gatherings, and physically distance from others who have not yet been vaccinated.

HOW DO I GET THE VACCINE?

- **LIFQHC 516-296-3742 www.lifqhc.com**
- Go to: <https://www.nassaucountyny.gov/vaccine>
- To make an appointment at Jones Beach and other vaccination sites, call the New York State hotline at: **1-833-NYS-4-VAX**
- In addition to vaccination centers run by the County's Department of Health, listed below, vaccines are available at New York State sites which can be accessed through the "Am I eligible" site <https://am-i-eligible.covid19vaccine.health.ny.gov/>

THANK YOU

- Comments, Questions?

