## FAQ's on COVID-19 Vaccines, Variants and Boosters

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COVID-19 ECHO September 16, 2022





## FAQ's on COVID-19 Vaccines, Variants and Boosters

Friday, September 16th, 2022

Please don't forget to register attendance/claim credit using "CME Credit via TEXT"!

Activity Code:

\*If you have not already registered your e-mail address, please do so. See instructions below.

<u>Step 1</u>: Text your email address to **844-502-1338** to link your responses to your existing account in the UT Health SA - CME database

<u>Step 2</u>: Text Attend plus the 8-digit Activity Code to register your attendance (i.e. Attend 12345678)

\*If you have any issues or questions, please email the Office of CME at cme@uthscsa.edu for assistance.



#### **Disclosures**

- I receive funding from:
  - NIH/NIAID as a part of the COVID-19 Prevention Network, which funds COVID-19 vaccine trials
  - IAVI for a Phase 1 mRNA HIV Vaccine Trial

#### Also

 Gilead Sciences for observational research on HIV and hepatitis B coinfection (not relevant to this talk)



#### Objectives

- 1. Be familiar with current COVID-19 variants and likelihood of future variants
- 2. Be aware of current vaccine uptake and challenges with hesitancy
- 3. Understand current recommendations regarding COVID-19 vaccine boosters



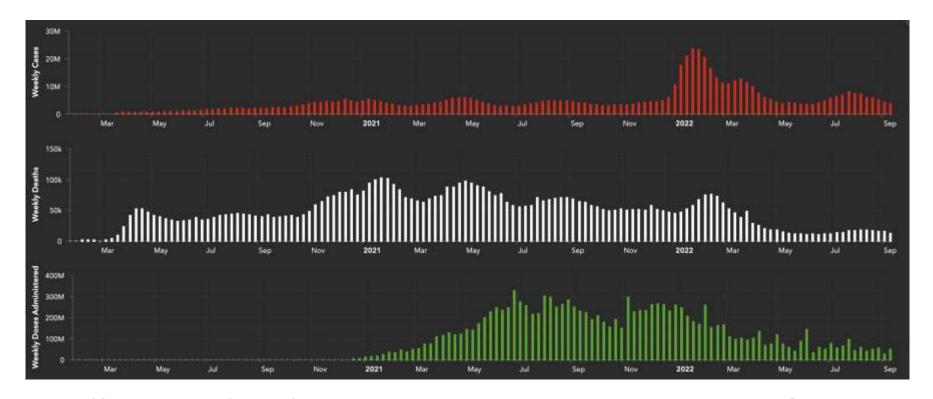
#### Global COVID Pandemic as of September 14, 2022



28-day cases

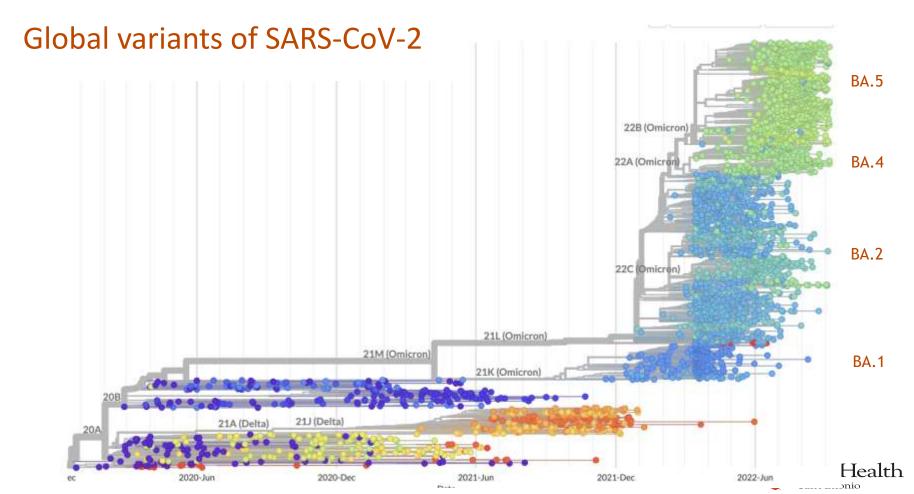


#### Global COVID Pandemic as of September 14, 2022

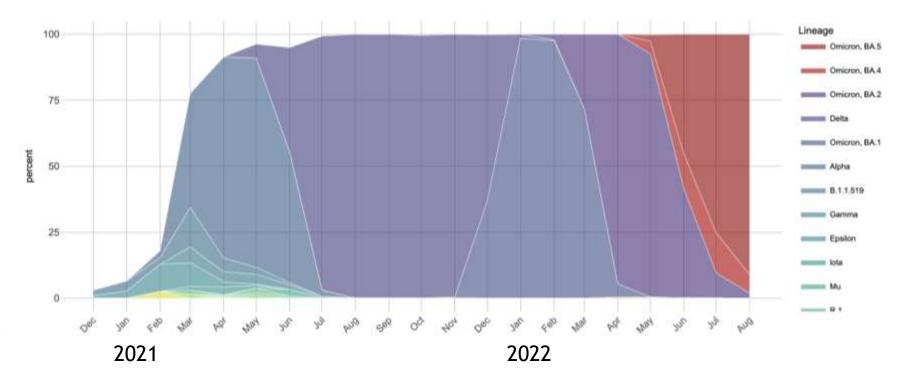


Weekly cases, mortality, and vaccinations over time



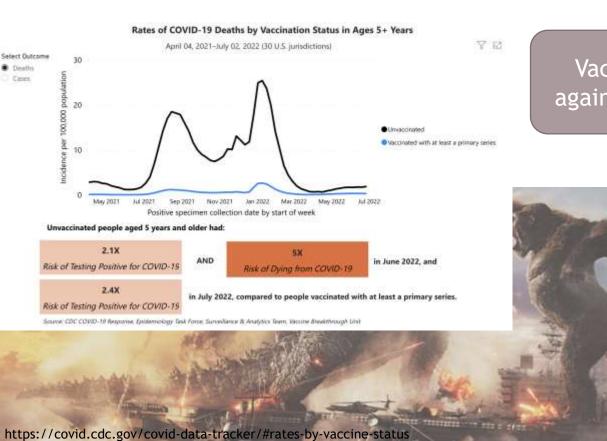


#### Variants of SARS-CoV-2 in Bexar County



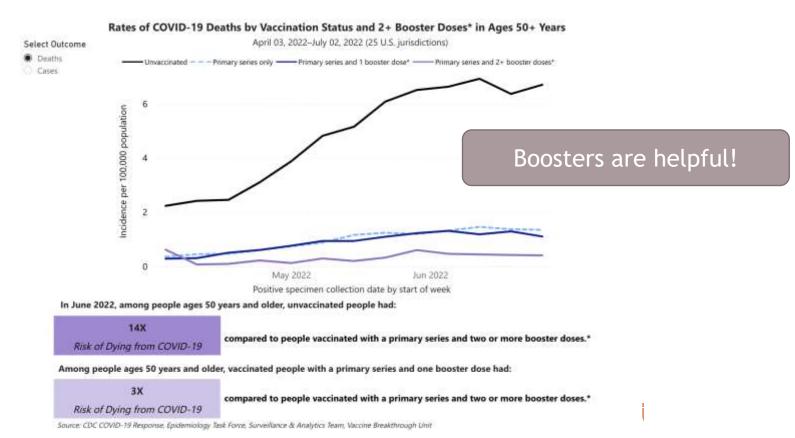


#### Vaccines vs variants



Vaccines remain protective against severe disease & death

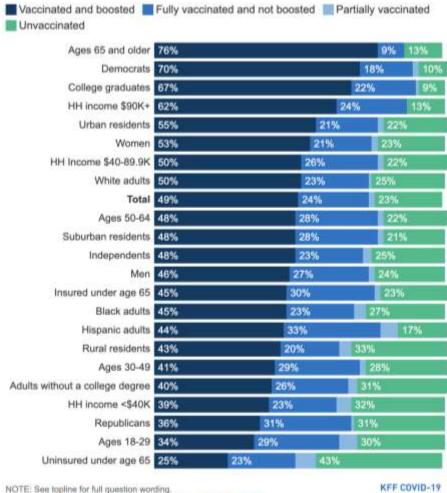
#### Boosters vs variants



#### **Current Vaccine Uptake - Globally**



Demographic predictors of unvaccinated status in adults in the US



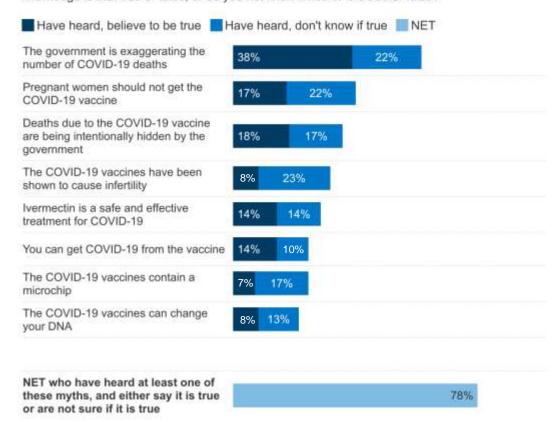
SOURCE: KFF COVID-19 Vaccine Monitor (July 7-17, 2022) • PNG





## Vaccine-related misinformation

Have you heard anyone say or have you read anywhere that...? IF YES: To the best of your knowledge is that true or false, or do you not know whether it is true or false?



NOTE: See topline for full question wording. SOURCE: KFF COVID-19 Vaccine Monitor (October 14-24, 2021) KFF COVID-19 Vaccine Monitor

#### Six Communication Skills



SETTING THE TONE



ACTIVE LISTENING



USE PLAIN LANGUAGE



ACKNOWLEDGE DIFFERENT PERSPECTIVES



BRIDGE RESPECTFULLY



USE TEACHBACK TO CHECK
FOR
UNDERSTANDING



#### Helpful tools...

#### **Nutrition Facts** Up to 6 doses per container Serving Size 2 doses % by weight\* Active Ingredients 0.2 - 0.3% mRNA (messenger RNA) Help the body to build antibodies against virus Inactive Ingredients 99.7 - 99.8% Lipids (cholesterol) Protect and deliver the mRNA to the cell Salts (table salt) Balance acidity/pH in your body Acids and acid stabilizers (found in vinegar) Help maintain pH and stability of vaccine Sugars (table sugar) Help maintain shape of molecules during freezing \* The % by weight is the mass of ingredient divided by the total mass of the solution multipled by 100.

# What's in my mRNA vaccine?







EGG FREE

Vanderbilt Institute for Infection, Immunology, and Inflammation

#### Revised booster recommendations!

Population	Vaccine status	Bivalent booster?
Under 12	Primary series done*	No booster recommended
12-17yo	Primary series done	Pfizer bivalent booster >2months after last shot
12-17yo	Primary series done and boosted	Pfizer bivalent booster >2months after last shot
18 and over	Primary series done	Any bivalent booster >2months after last shot
18 and over	Primary series done and any number of boosters	Any bivalent booster >2months after last shot

<sup>\*</sup> If primary series is *not* complete, do that first!

For individualized recommendations, go to: <a href="https://www.cdc.gov/coronavirus/2019-ncov/vaccines/stay-up-to-date.html">https://www.cdc.gov/coronavirus/2019-ncov/vaccines/stay-up-to-date.html</a>

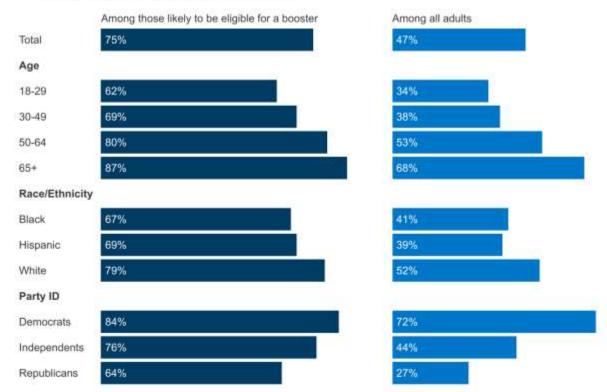


#### Revised booster recommendations – FAQ

- Simplest version of the recommendation:
  - Anyone 12yo or over who has received their first COVID vaccination series (1 or 2 shots) and is >2 months after their last shot should get a bivalent booster
    - Regardless of age, immunosuppression, etc...
- Can you get this along with the flu shot?
  - YES! Please encourage people to get both.
- Will these recommendations change?
  - Probably! We'll have more data on bivalent boosters soon in all age groups.
  - COVID is constantly changing, so we will continue to adapt recommendations as new vaccines become available and new variants circulate

## Disparities in boosters

Percent who report getting a COVID-19 booster shot:

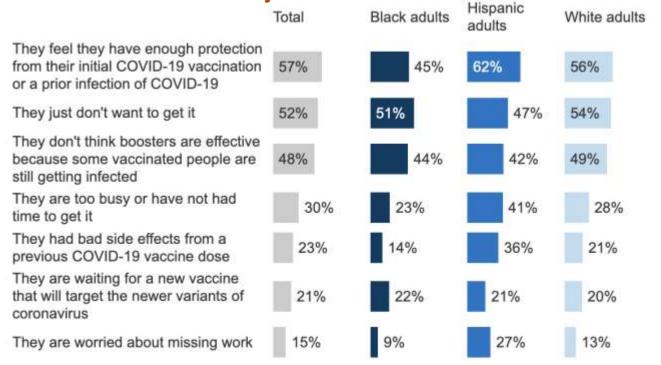


NOTE: Receiving a booster dose defined as receiving at least 3 shots or at least 2 shots if one was Johnson & Johnson. Likely to be eligible for a booster defined as having received a booster or completing full initial course of vaccination 6 months ago or longer. See topline for full question wording.

SOURCE: KFF COVID-19 Vaccine Monitor (February 9-21, 2022)

KFF COVID-19 Vaccine Monitor

### **Booster hesitancy**



NOTE: Asked of those who are fully vaccinated but have not received a booster. See topline for full question wording.

SOURCE: KFF COVID-19 Vaccine Monitor (July 7-17, 2022) • PNG





## **Practice Takeaways**



- Risk of COVID in our community remains high
  - <a href="https://covid19.sanantonio.gov/Home">https://covid19.sanantonio.gov/Home</a>
- Omicron transmission likely to continue through the fall and boosters can make a difference
- Expect misinformation, remember the six communication skills!
  - Set the tone, active listening
- Be honest about uncertainty



## Thank you!



#### 5 Key Messages on COVID-19 Vaccines



You can help stop the pandemic by getting the COVID-19 vaccine

COVID-19 vaccines are safe and effective

COVID-19 vaccines are free

COVID-19 vaccines may have some side effects and these are normal signs that your body is building protection

You still need to wear a mask and practice social distancing after getting vaccinated

