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PUCILLO FAMILY PRACTICE P.A.
WELLNESS CENTER

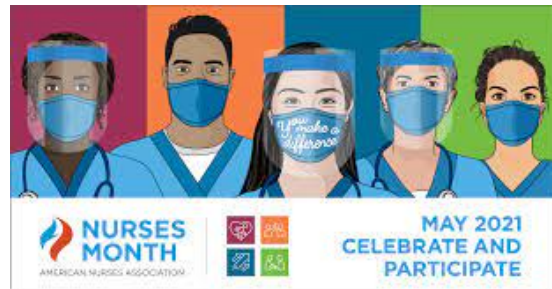


Family Medicine & Bariatrics

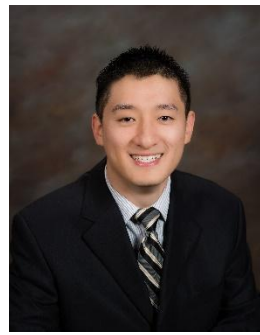
PFP May Newsletter: Children, Vaccine, Variants



Happy Maynurses month



Dr. Ron Pucillo, M.D.



Dr. Brian Tong, M.D.

Fun dates in May:

5th - Cinco de Mayo
9th - Mother's day

15th - Chocolate chip day
18th - No dirty dishes day

25th - National Wine day
28th - Hamburger day

Outline of this month's newsletter:

- Vaccine in children
- Vaccine updates
- COVID variant



Pfizer vaccine in children

1. FDA approval
 - May 10, 2021 - **FDA approved the use of Pfizer vaccine for adolescent 12 and older** under emergency use authorization (EUA)
2. How did Pfizer study the effectiveness of vaccines for children?
 - Clinical trials began in July 2020
 - ~3000 children from diverse backgrounds ages between 12-17 were in the clinic trial.
 - ½ received the vaccine and ½ received placebo. Safety and efficacy were followed for 2 month after the 2nd dose.
 - No cases were reported in those who received the vaccine. 1-2% tested positive for COVID in placebo group
 - Vaccine was determined to be **100% effective at preventing** COVID
3. What is the difference between adult dosage vs. adolescent dosage?
 - No difference - both are 0.3ml, 2 doses 21 days apart.
4. What are the common side effects?
 - fatigue, fever, headache, body ache, diarrhea, chills, joint pain, muscle pain

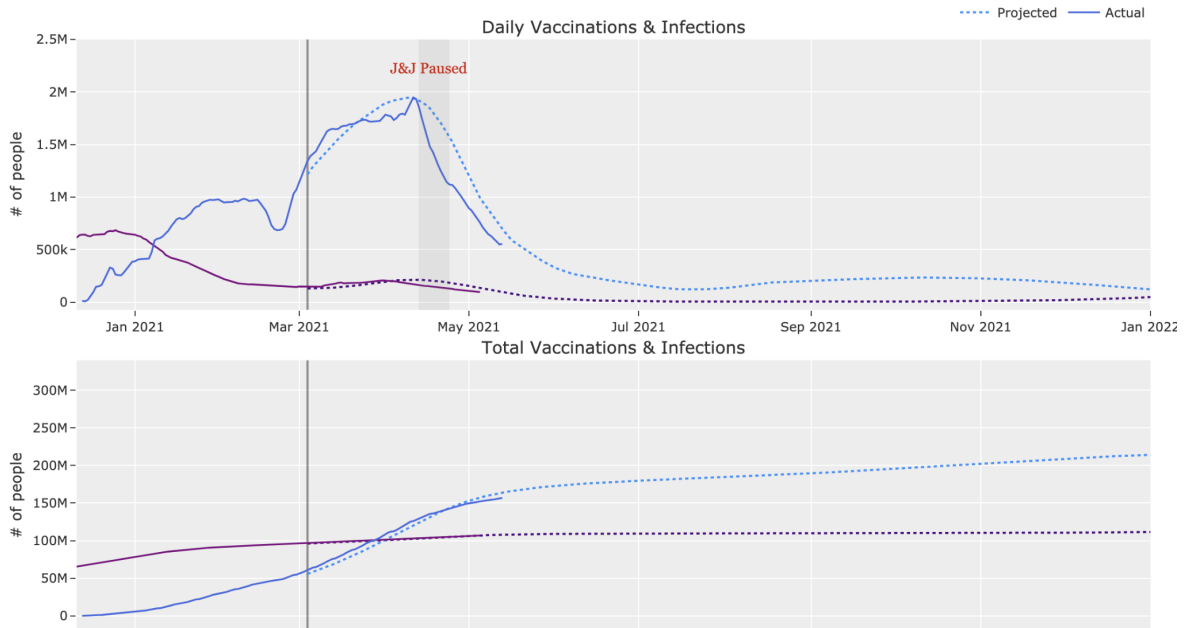
Vaccine Update

1. Johnson and Johnson vaccine

- As of May 18th, 2021, **28 in 9,000,000 (.00003%)** developed the rare clotting condition known as thrombosis with thrombocytopenia syndrome (TTS)
 - TTS - must meet all 4 criteria
 1. COVID vaccine - J&J & AstraZenica
 2. Venous or arterial thrombosis
 3. Thrombocytopenia (low platelets)
 4. Positive PF4 (platelet factor 4)
- After reviewing data, FDA and WHO has determined the **benefit outweigh the risk**
- Symptoms to be aware of after receiving the vaccine - **severe and persistent headache, severe abdominal pain**

2. By the numbers (as of May 21, 2021)

- World
 - Total population - ~7.8 billion
 - 5% - fully vaccinated
 - 9% - received at least 1 dose
- U.S.A.
 - Total population - 330 million
 - 39.3% - fully vaccinated
 - 49.5% - received at least 1 dose
- Current expected vaccine projection in the U.S.A.

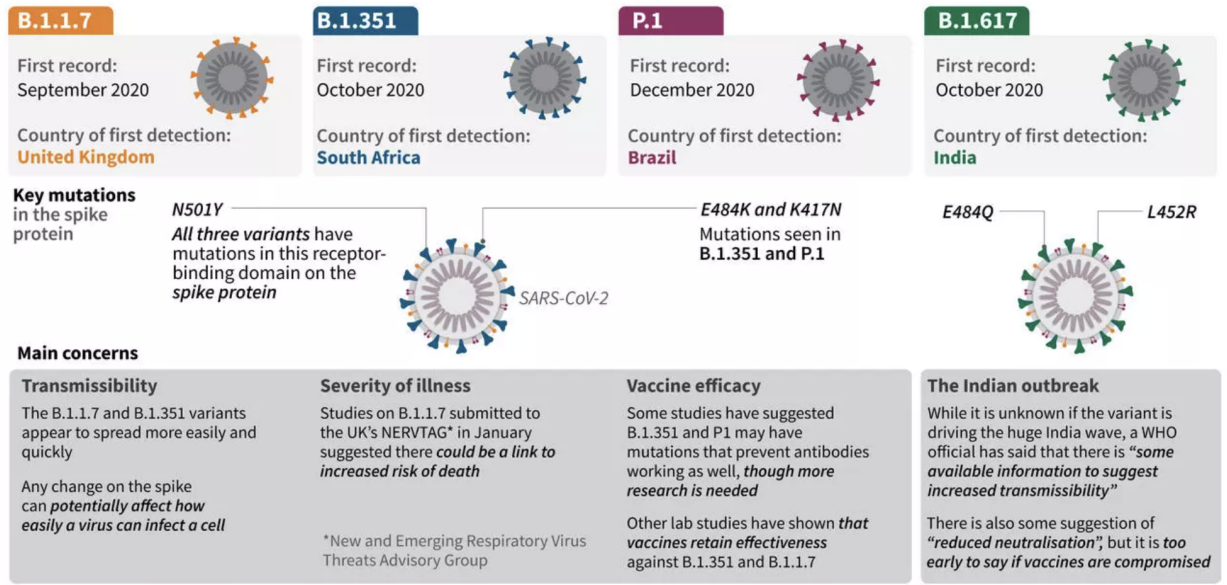


3. Vaccine and variants

- **Pfizer** - 2 doses of vaccine - **88% effective against Indian variants, 87% effective against UK variant, 72% effective against South Africa variant (nejm May 5th)**
- **Moderna** - effective, though no percentages were reported. Currently working on a booster shot that is specifically targeting COVID variants.

COVID Variants Update

1. Covid Variants around the world



Source: [cdc.gov/science/mediacentre.org/cidrap.umn.edu/WHO.int/sciencenews.org/Birmingham Uni Turnkey lab/ NERVTAG/Imperial College London/astrazeneca.com/New Scientist](https://www.cdc.gov/science/mediacentre.org/cidrap.umn.edu/WHO.int/sciencenews.org/Birmingham%20Uni%20Turnkey%20lab/NERVTAG/Imperial%20College%20London/astrazeneca.com/New%20Scientist)



- B.1.1.7 - United Kingdom
- B.1.351 - South Africa
- P.1 - Brazil
- B.1.617 - India

2. Characteristic of variants

- All variants are more transmissible, though not more fatal

We continue to wish you all the best. Please feel free to contact us if you have any questions.

Sincerely,
Staff at Pucillo Family Practice