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PUCILLO FAMILY PRACTICE P.A.



WELLNESS CENTER

Family Medicine & Bariatrics

PFP July 2022: COVID updates, Paxlovid Rebound, Hepatitis



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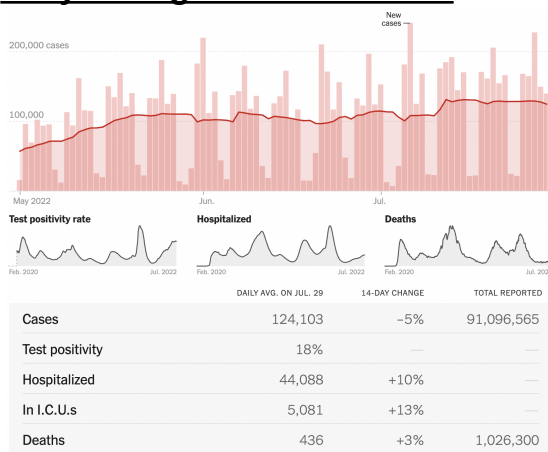
*Fun fact: July 1st national joke day. Share your jokes with friends and family =)
-What do you call a bear with no teeth? A gummy bear.
-Why was 6 afraid of 7? Because 7 ate 9!*

July 2022 newsletter:

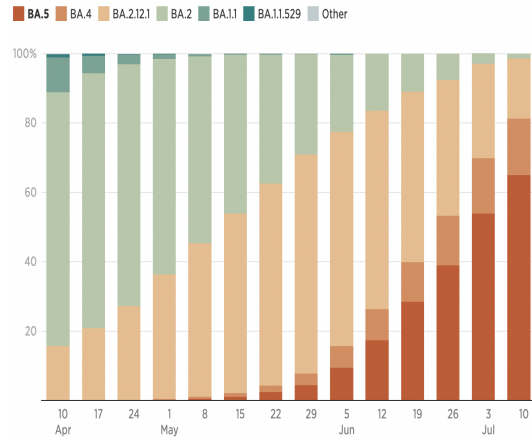
- COVID Updates
- Paxlovid Rebound
- Hepatitis

COVID Updates

- **Daily average of COVID cases**



- **Prevalence of COVID variants**



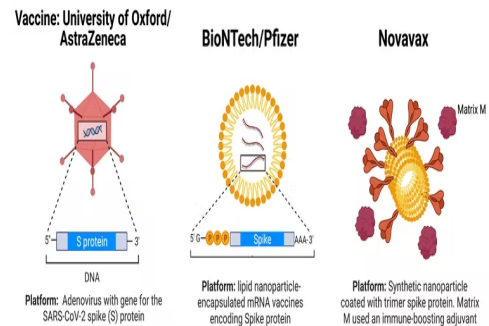
Variant Booster

- Moderna and Pfizer - expect updated vaccine to be available in Sept 2022.
- Biden administration has purchased 105 million Pfizer and 66 million Moderna vaccines. (*HHS.gov*)
- It is expected to be available for all individuals >5yo that have completed the initial vaccine series.



Novavax COVID Vaccine

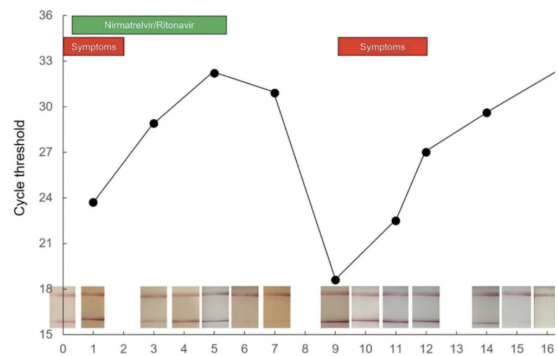
- On July 13th, 2022, FDA issued emergency use authorization for the Novavax COVID vaccine.
- It is a **protein based vaccine** given 2 doses 3 weeks apart
- The vaccine contains SARS-COV-2 spike protein and Matrix-M adjuvant. Matrix-M adjuvant helps to enhance immune response
- Vaccine was 90.4% effective in preventing mild, moderate or severe COVID-19. (*data was gathered prior to delta and omicron variants*)
- Side effects include injection site reaction, muscle pain, fever, myocarditis



Paxlovid COVID 19 Rebound

1. What is paxlovid rebound?
 - COVID-19 paxlovid rebound is characterized by a **recurrence of symptoms or a new positive viral test after having tested negative.**
 - It is recommended for individuals to isolate according to CDC guidelines of 5 days during the rebound phase.
2. How common is this?
 - Pfizer states 2% of the patients developed this during the clinical trial.
3. What will symptoms be during rebound?
 - Symptoms can be mild or worse than the initial onset.
4. What are the quarantine guidelines for Paxlovid rebound?
 - 5 days until symptoms improve and mask for 10 days after.
5. Why does this happen?
 - More studies are currently done. Working theory is likely related to inadequate exposure/duration to Paxlovid. (*NEJM*)

-Paxlovid prevents replication of COVID virus.
-In individuals that experience prolonged viral replication, the drug may not limit replication long enough, so it rebounds.

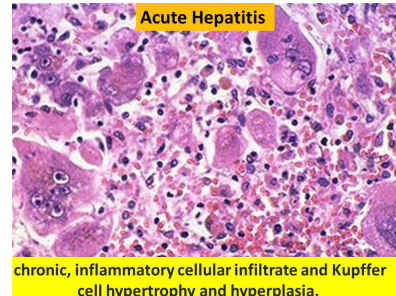


6. How can I treat rebound symptoms
 - In one study done by University of San Diego, the symptoms of the individual **improved or resolved within 3 days without additional anti-COVID-19 treatment.**
 - FDA is continuing to review data and clinical trial from paxlovid. At this time (07/2022), there is no evidence of benefit for a longer course of treatment or repeating Paxlovid treatment in patients with rebound symptoms.

July is Hepatitis Month

What is hepatitis?

- Hepatitis means inflammation of the liver.
- Types of hepatitis and cause
 - type A - food/water
 - type B - bodily fluid, needles, blood
 - type C - blood
 - type D - blood
 - type E - food/water
 - autoimmune - hereditary
 - alcoholic - excessive alcohol

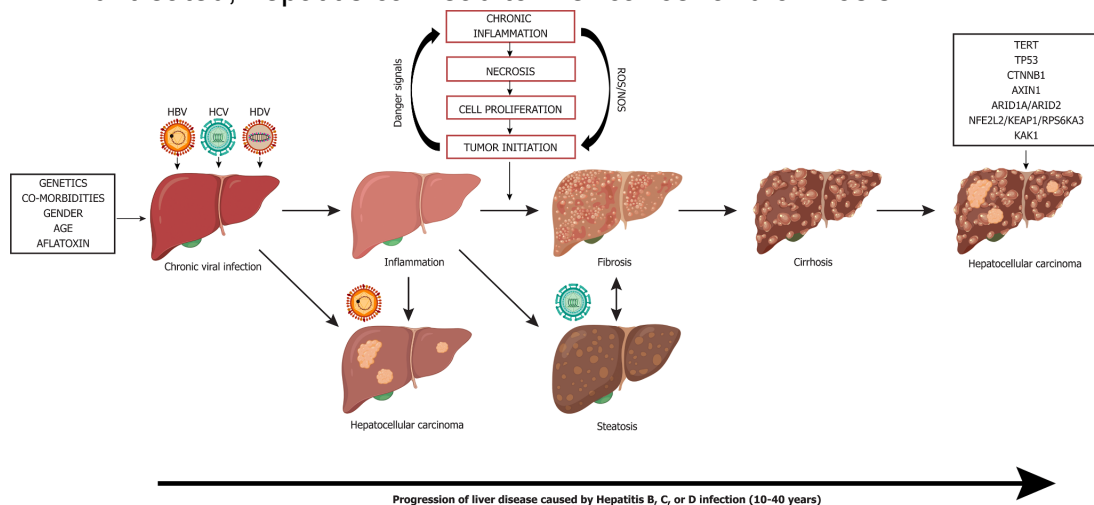


What are the Clinical presentations?

- Fever, fatigue, loss of appetite, nausea, vomiting, abdominal pain, dark urine, light-colored stools, joint pain, and jaundice.

Why is it important to identify hepatitis?

- If untreated, hepatitis can lead to liver cancer and cirrhosis



What are treatments?

- hepatitis A & E - *will resolve without treatment*
- hepatitis B & C - *antiviral medications and interferon therapy*
- hepatitis D - *no treatment, though interferon therapy can slow progression*
- autoimmune hepatitis - *treat the underlying autoimmune disease*
- alcoholic hepatitis - *decrease alcohol intake*

We thank you for allowing us to be part of your family in 2022. Please feel free to contact us if you have any questions.

Sincerely,
Staff at Pucillo Family Practice