



12/03/2021

***New Information from Your CPMG Medical Directors...
... always interesting to us – hopefully useful to you!***

From: Morris, Kenneth MD <kmorris@rchsd.org>

Sent: Friday, December 3, 2021 3:26 PM

Subject: CPCMG/RCPMS COVID CHRONICLES 12/3/21 (edition #194)

These are weekly updates for all CPCMG and RCPMS staff. Other valued community members which include all CPMG affiliates and Radys Executives, as asked, have been included for the sake of collaboration. Please note that the information included herein is geared towards CPCMG & RCPMS staff and while generally useful to the broad community, all aspects may not always be applicable to your respective organizations.

Quick Hitter

- I hope everyone had a Happy and Safe A Thanksgiving break.
- Despite all of the traveling and gathering, we managed not to have any new Covid cases in staff or clinicians since the pre-Thanksgiving Chronicles were last published. Good job everyone!

New Covid Mutation Identified-Omicron

In news that dominated the Thanksgiving weekend and the news since, scientists have identified a new mutation B.1.1.529 in South Africa, which has about 50 more mutations overall compared with the original strain, 30 mutations in the spike protein and more than 10 mutations on the ACE2 receptor (the protein that helps the SARS-CoV-2 virus infect human cells). In comparison, the Delta variant only has 2 and the Beta variant had 3. Please see the expansive section below dedicated to what we know about Omicron.

The Quest for Immunity

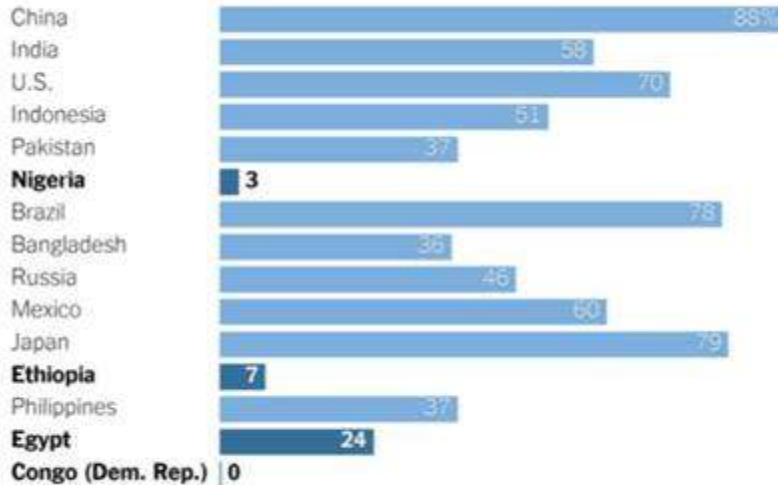
- **Covid Vaccine in 5-11 y/o**
 - As of 12/2/21, CPCMG offices have administered more than 3,400 Covid vaccine doses.
- **Boosters Doses**
 - The CDC changed its recommendation on boosters such that all people 18 y/o and above “**should**” get a booster (previously said “**may**” get a booster dose).
 - Pfizer has asked the FDA for an EUA to extend their booster dose age down to 16 y/o to match the current ages of their fully authorized vaccine.

It is expected that a decision may come quickly within the next week or so.

- It should go without saying, but I continue to get lots of questions on the topic of boosters and teens. Booster shots are not currently authorized for teens < 18 y/o even if it has been ≥ 6 months since their 2nd dose.
- **Vaccination Rates in Populous Countries**
 - As much as the US has struggled with its vaccination rates due to vaccine skepticism partially driven by our polarizing politics, Africa as a whole is significantly behind the rest of the world (see chart below of Covid vaccination rates in the 15 most populous countries).
 - Worldwide, the % of people having received 1 dose of vaccine is running at 56%. Africa as a continent is running at 10% with South Africa alone running at 29%.
 - Africa's skepticism is driven by distrust in experts and government leadership much of which is related to past exploitation with experimentation. Additionally, look no further than the HIV epidemic and the failure to direct attention and sufficient resources and you have a recipe for failure.
 - While vaccine supply played an initial role in lower rates, many countries in Africa have more than they can stockpile and are unwilling to accept more.
 - Lack of public health infrastructure is also playing a vital role in that there are not enough people to administer the vaccine and governments have not played a strong enough role in promoting and educating about the vaccine necessity. It has been noted that some officials have had this myopic expectation that you can air drop vaccine at the airports of the countries in question and that the vaccine would magically make its way into arms.
 - Unfortunately, the art of misinformation may be worse in many African countries. The NY Times reported on a survey conducted late last year by the African Union CDC.
 - 49% of respondents believed rumors that Covid was planned by a "foreign actor."
 - 45% believed that Africans were being used as guinea pigs in vaccine research trials.
 - The end result: misinformation and low vaccine rates are costing lives and potentially providing enhanced opportunities for the SARS-CoV-2 virus to mutate.

Covid vaccination rates in the 15 most populous countries

Share of residents with at least one dose



By The New York Times

Anti-Viral Covid Pills

- After Merck released new data that their Covid pill was only 30% effective against reducing hospitalization (instead of the initially released 50% results), an FDA panel narrowly voted (13-10) to recommend that the drug's benefits outweigh its risk. This clears the pathway for the FDA to issue an EUA.
- The Pfizer pill which may not be reviewed until February's meeting is said to reduce hospitalization or death by 85%.
- With all of the talk about mutations and vaccines potentially being less effective against the variants, neither pill targets the spike protein (the area of the virus changing the most) and it is expected that the antivirals will work even after the virus evolves (the same way that Oseltamivir continues to work against the influenza virus even though the virus changes from year to year).

Cases & Numbers (as of 12/2/2021)

- National
 - Hawaii and Florida are the only two states in the "Moderate Transmission" (Yellow) Tier
 - [CDC Level of Community Transmission by State](#)
- State
 - At the state level, average daily case numbers dropped over the past 8 days (4,301 vs 4,755) compared to the previous report.
 - CA as a state remains in the "Substantial Transmission" (Orange) tier
- Local
 - In San Diego, average daily case rates slightly dropped over the past 8 days (450 vs 456) compared to the previous reporting period.
 - San Diego has advanced to the "Substantial Transmission" (Orange) tier.

- In Riverside, average daily case rates increased over the past 8 days (446 vs 399) compared to the previous reporting period.
 - Riverside has regressed back to the “High Transmission” (Red) tier.

My Words of Wisdom message:

- **Don’t Wait—It’s not too late—Please Vaccinate-And Get Your Booster Too!**

CDC & Public Health Words of Wisdom:

- **Avoid Crowds, wear masks if crowds cannot be avoided**
- **Do NOT come to work with any symptoms**
- **If unvaccinated, don’t travel**
 - **Test Upon Return from Travel**

In today’s edition, we have some updates on new and existing topics for the following:

- Vaccimeter
- Covid Cases
- Omicron Variant Synopsis
- White House COVID-19 Winter Surge Plan
- School Covid Vaccine Mandates & Courts (San Diego)
- Schools & Indoor Athletics (CA)
- School Decision Tree (last updated 11/5/21)
- Rady Town Hall News-No Town Hall This Week
 - Do Travel Controls Make a Difference in Delaying Outbreaks?
- Covid Testing Options
- SARS Co-V-2 Strain Mutations (updated)
- The Quest for Immunity-Vaccination Information (repeated)
- Monoclonal Antibody Regional Centers (MARC)s

RISK LEVEL-INCIDENT COMMAND

- Risk Level: 4
- Updates:
 1. Indoor Masking: mandatory regardless of vaccination status.
 2. High Volume Scheduling: now effective

COUNTY COVID-19 TRIGGERS

- Please click the Triggers [Scorecard \(SD County\)](#) to see how San Diego is doing with all 13 of the criteria metrics across the 3 categories. As of **12/1/21** (now updated weekly), San Diego is failing 3 metrics.
 - **Community Outbreaks**: >7 new outbreaks in community settings in a 7-day period: **17 (down from 25 last week)**
 - **Case Rate**: >1.9 per 100,000 for the 7-day average case rate: **12.7 (down from 13.1 last week)**
 - **Influenza Like Illness**: Upward trajectory of influenza-like illnesses (ILI) reported within a 14-day period: **3.6% (up from 3.4% last week)**
 - **Increasing Hospitalizations (NEW)**: >10% increase in the number of confirmed COVID-19 patients currently hospitalized, measured as an

average of the past 3 days and compared to the average of the 3 days prior: **11.4%**

- **Testing Positivity:** Greater than 8% of positive tests as a percent of total tests, measured using specimen collection date in a 7-day period with a 7-day lag: **3.2% (no change from 3.2% last week)**

VACCIMETER (as of 12/3/2021)

	% ≥5 y/o 1 or More Doses	% ≥5 y/o Fully Vaccinated	% ≥18 y/o w/ Booster Dose	Comments
National CDC Vaccine Tracker	75.0%	63.4%	23.3%	
California CA Vaccine Tracker	76.5%	67.9%	30.7%	
San Diego SD Vaccine Rate	84.7%	75.1%	-----	460,110 have received a booster dose
Riverside RS Vaccine Rate	63.1%	56.4%	14.5%	

COVID CASES (as of 12/3/21)

- **CPCMG (Provider) COVID Positive cases (confirmed): 24**
 - 0 NEW Provider Cases:
- **RCPMS (Staff) COVID Positive Cases (confirmed): 130**
 - 0 NEW Staff Cases:
 - 4 of 130 positive cases that are possibly work-related exposure (worker to worker). Two cases in question have identified breaks in PPE or social distancing protocols and a third is yet to be determined but is suspected to be a brief break in PPE.
- **CPCMG Patient COVID Positives & Interesting Cases**
 - As of 11/29/2021: >6,303 (↑38 in the past week). This number does not include patients testing positive at County sites or hospital labs outside of the Rady, Quest or Lab Corp network.

Riverside County Weekly Update Total Covid Cases: 377,626 (as of 12/2/21)

Riverside County Total Pediatric (0-17 y/o) Cases: 58,091 (15.4% of cases)

average # of new daily cases over the previous report	399
average # of new daily cases over the past 8 days	446↑

7 Day Test Positivity Rate: 4.4% (↑from 5.2%)

San Diego County Total Covid Cases: 386,050 (as of 12/2/21)

San Diego County Total Pediatric (0-19 y/o) Cases: 71,698 (18.6% of cases)

average # of new daily cases over the previous report	456
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average # of new daily cases over the past 8 days 450↓

7 Day Test Positivity Rate: 4.1% (↑ from 3.1%)

Statewide Total Covid Cases: 4,815,277 (as of 12/2/21)

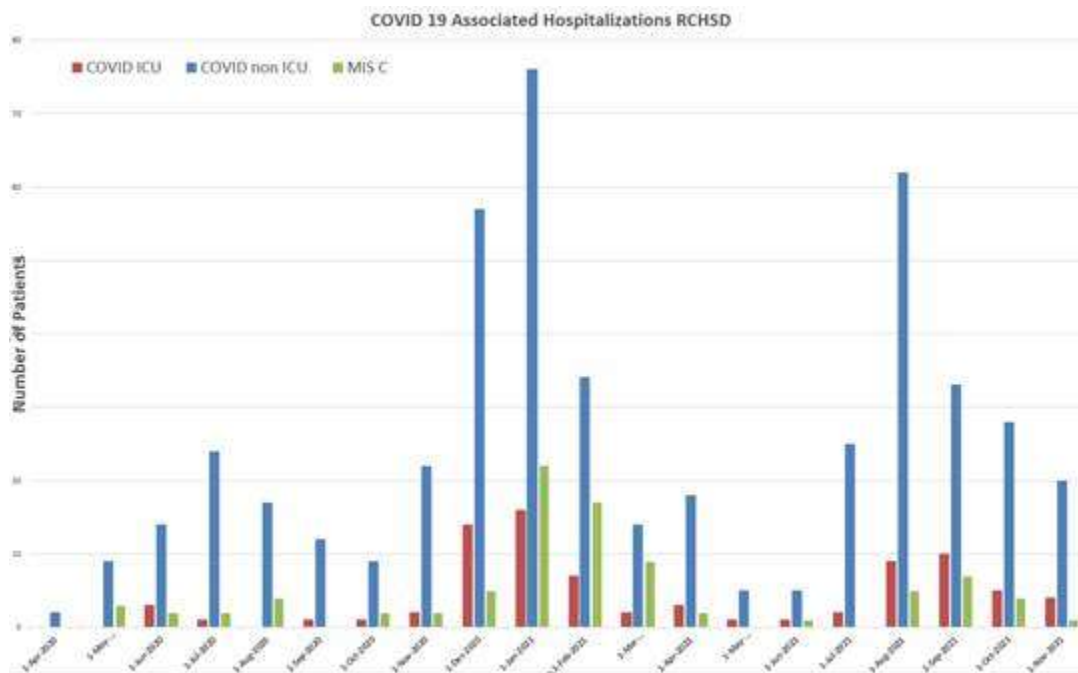
Statewide Total Pediatric (0-17 y/o) Cases: 726,253 (15.1% of cases)

average # of new daily cases over the previous report 4,755

average # of new daily cases over the past 8 days 4,301↓

7 Day Test Positivity Rate: 3.6% (↑ from 1.9%)

MIS-C: 723 (↑5) total cases as of 11/29/2021



As of 11/30/21

OMICRON VARIANT SYNOPSIS

Overview

- Omicron has since been labeled as a variant of concern by the WHO and CDC. Some that are up on their Greek were wondering why it wasn't labeled with the next letter in line in the Greek alphabet, Nu? Apparently, it was felt that it would be too easily confused with being the "New" virus so they skipped a letter.
- With the dramatic spike in cases in South Africa, there are concerns that this new variant could potentially be more transmissible and driving numbers upwards. The variant has since been identified in a growing number of countries and just this week was identified first in San Francisco, CA and has been identified in 5 US states. Many countries have begun shuttering their borders once again to foreign travelers. This may be a "too little-too late" scenario or may at least slow the inevitable.

- The US imposed new travel restrictions for those coming from 8 African countries including South Africa and began weighing further restrictions for all international travelers
 - Beginning Monday, regardless of nationality or vaccination status, you will need proof of a negative Covid test within **24 hours** before flying. Note: this was previously 72 hours.
- As a reminder, it is important to ask about recent international travel history
- It is becoming clearer each day that Omicron likely has increased transmissibility. It is too early to tell whether the Covid vaccines have diminished effectiveness against this variant or if this variant could cause more severe cases. To date, none of the variants have been demonstrated to cause an increased severity of illness. Why?
 - Scientists continue to emphasize that viruses evolve in ways to help them flourish. If a virus is more contagious, this allows the virus to spread. If the virus becomes so severe such that the viral hosts die before they can infect others, this does not promote survival of the virus.
 - It will probably be another 2-4 weeks before we have preliminary data about severity, contagiousness and vaccine effectiveness.
- What about immunity evasion? Up until the emergence of Omicron, we have already seen data suggesting that vaccination provides more protection than a natural infection.

Natural Immunity

- In South Africa, during the month of November, scientists reported (pre-published) a very large spike in cases among people who had already been infected.
- The authors noted that there was no such upswing when both the Beta and Delta variants emerged.
- It is not known yet how many of these infections were due to Omicron. Of note, genetic sequencing on a sample of Covid PCR positive cases seems to be indicating that nearly 75% were due to the new variant.
- Take Home: South African scientists (pre-published) do not believe that past infection provides protection from Omicron.

Vaccine Immunity

- Some are speculating (most notably Covid vaccine manufacturers) that the existing coronavirus vaccines would be much less effective at combating Omicron compared to previous Covid variants.
- It is still too early to know, although most of the reported cases having traveled from South Africa were vaccinated.
 - 70% were asymptomatic
 - 30% with mild symptoms

How/Why Did Omicron Mutate So Significantly?

- This past June, researchers chronicled the emergence of significant changes in SARS-CoV-2 specimens taken from a single South African woman with advanced uncontrolled HIV. The mutations they saw including several that could

erode vaccine protection and boost disease transmission appeared over a period of six months.

- In sub-Saharan Africa, a region with millions of people having unrecognized, undertreated and poorly controlled HIV, it is being speculated that Omicron was likely born from someone with a debilitated immune system whether that be HIV or some other cause.
 - Having a poor response to the virus likely allowed “additional mutations to evolve and avoid host immunity as the virus continued to replicate and survive in that person” (as explained by our Radys ID experts).

Laboratory Diagnosis of the Omicron Variant

- One of the mutations in the Omicron variant results in something called S gene target failure (SCTF) and if this is identified during PCR testing (can only be done using the ThermoFisher PCR assay), it may mean that the Omicron variant is the cause of the Covid positive test (this still requires follow up genomic sequencing). I have reached out to our colleagues connected with the Radys Lab and can report the following:
 - There are currently (4) different PCR platforms used at the Radys Lab, although none are the ThermoFisher platform.
 - All platform vendors have confirmed that they can detect the COVID Omicron variant using the respective PCR platforms (no current concern regarding detection evasion)
 - None of the PCR platforms can distinguish between one of the other variants such as Delta or the Omicron variant (if and when it arrives) when a positive sample is identified
 - The Radys Lab currently sends all PCR positive wet swab collections to the Public Health Department laboratory for sequencing.
 - Currently, the vast majority of outpatient PCR testing is being done using “dry” swabs and Whole Genomic Sequencing (WGS) cannot be done from dry swab samples.
 - If there are strong concerns regarding a potential positive or a confirmed positive being tied to the Omicron variant, a sample should be obtained/reobtained using viral transport medium (VTM) also known as a wet swab.
 - Please note, because Radys is already participating in the surveillance program with wet swab collections, the need to perform/reperform testing on our outpatient samples to identify Omicron should be on a case by case basis and is not being suggested routinely at this time.

What can we do?

- First and foremost, remain calm. We have been to this rodeo before and unfortunately Omicron is not the last letter in the Greek alphabet and nor will this be the last new variant that will raise concern.
- Continue our tried and true infection control measures regardless of vaccination status such as indoor masking, hand washing and distancing when appropriate.

- Get your booster doses. While it may come to pass that the vaccines will not fully protect you against the Omicron variant, to date they continue to protect against severe cases of COVID-19 and you want to boost your immunity before exposure.
 - If Omicron turns out that it can significantly evade vaccine driven immunity, Pfizer and Moderna are well positioned to reformulate their vaccine with the new genetic sequence of Omicron and are said to be able to adapt their vaccine within 6 weeks and ship within 100 days.

WHITE HOUSE COVID-19 WINTER SURGE PLAN

President Biden [announced new actions](#) yesterday aimed to “*Get Americans Boosted for Even Greater Protection Against the Delta and Omicron Variants, Keep Schools and Businesses Open, and Help Quickly Respond to Surges if Needed During the Colder Months.*” The plan includes:

1. *Boosters for All Adults*
2. *Vaccinations to Protect Our Kids and Keep Our Schools Open*
3. *Expanding Free At-Home Testing for Americans*
4. *Stronger Public Health Protocols for Safe International Travel*
5. *Protections in Workplaces to Keep Our Economy Open*
6. *Rapid Response Teams to Help Battle Rising Cases*
7. *Supplying Treatment Pills to Help Prevent Hospitalizations and Death*
8. *Continued Commitment to Global Vaccination Efforts*
9. *Steps to Ensure We Are Prepared for All Scenarios*

SCHOOL COVID VACCINE MANDATES & COURTS (SAN DIEGO)

Scripps Ranch HS Student Lawsuit

- SDUSD’s Covid vaccine mandate was blocked by the 9th US Circuit Court of Appeals this past Sunday, one day before the 1st dose mandate was to go into effect.
 - Most experts feel that the mandate will be restored soon
 - The mandate currently allows medical exemptions (which included exemptions for those teens that are pregnant), but does not allow religious exemptions
 - The court felt that by allowing those with secular reasons (such as pregnant teens) to not get the vaccine that it was discriminatory by not allowing another group (those with religious reasons) an exemption. The court did not feel that being pregnant had medical justification
 - SDUSD discontinued the pregnant teen allowance earlier this week and is awaiting a decision to allow their mandate to come back into play.

“Let Them Breathe” Lawsuit

- Its request for an emergency injunction against the SDUSD Covid Vaccine mandate was denied by a San Diego County Judge
 - The LTB movement has been focusing their efforts on the claim that Covid vaccine mandates violate student rights to an in-person education and that a Personal Belief Exemption must be allowed for any required school vaccine (note: the State law on required school vaccines no longer permits PBE’s).

- The case is expected to be heard on December 20th.

SCHOOLS & INDOOR ATHLETICS (CA)

In last week's Chronicles, I noted the following: *As of last week in San Diego County, children who play competitive sports indoors are no longer required to wear a mask while playing, but they are required to be tested twice weekly (including within 24-48 hours prior to competition).*

CDPH has since published revised [K-12 Guidance 2021-22 School Year \(ca.gov\)](#) that is not quite as restrictive with regards to indoor athletics as the San Diego County Policy was (now 'retired').

Activities may be performed outdoors without masks. Indoor mask use remains a critical layer in protecting against COVID-19 infection and transmission, including during sports, music, and related activities. Accordingly:

- *Masks are required indoors at all times for teachers, referees, officials, coaches, and other support staff.*
- *Masks are required indoors for all spectators and observers.*
- *Masks are required indoors at all times when participants are not actively practicing, conditioning, competing, or performing. Masks are also required indoors while on the sidelines, in team meetings, and within locker rooms and weight rooms.*
- *When actively practicing, conditioning, or competing in indoor sports, masks are required by participants even during heavy exertion, **as practicable**. If masks are not worn due to heavy exertion, it is strongly recommended that individuals undergo screening testing at least **once weekly**. An FDA-approved antigen test, PCR test, or pooled PCR test is acceptable for evaluation of an individual's COVID-19 status.*
- *Individuals using instruments indoors that cannot be played with a mask (e.g., wind instruments) may perform if bell coverings are used when playing wind instruments AND a minimum of 3 feet of physical distancing is maintained between participants. Modified masking may be considered in addition to, but not in place of, bell covers. If bell covers are not used, it is strongly recommended that individuals undergo screening testing at least once weekly. An FDA-approved antigen test, PCR test, or pooled PCR test is acceptable for evaluation of an individual's COVID-19 status.*

SCHOOL DECISION TREE (last updated 11/5/21)

The school decision tree is linked as follows: See [COVID-19 > Health Practices > Guidelines for Schools \(sdcoe.net\)](#). It has been last updated November 5th.

RADYS TOWN HALL NEWS (courtesy of Dr. Bradley/Dr. Pong/Chris Abe)

The Town Hall was held this week with some information integrated into the Omicron synopsis.

Do Travel Controls Make a Difference in Delaying Outbreaks?

- The operative word here is “delaying” not “preventing” outbreaks
- In Looking at **Graph C**, the average time to detection of the first case was 1.22x (36 days) later if any restrictions were in place versus no restrictions in place
- In looking at **Graph D**, the average time to detection of the first case was 1.31x (57 days) later if the strongest travel restrictions were in place

Figure

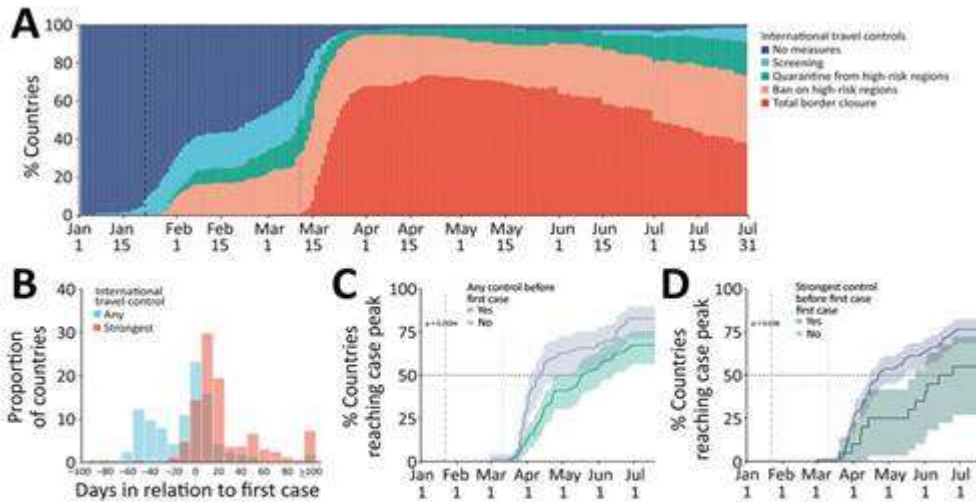


Figure. Association between international travel controls and local coronavirus disease (COVID-19) outbreaks in 165 countries, January 1–July 31, 2020. A) Temporal distribution of the international travel controls enacted by the studied countries. Data from (7). B) Distribution of the time between a country’s first COVID-19 case and its enactment of any or of the strongest international travel controls. C, D) Probability of reaching first local peak of COVID-19 cases by the time of implementing any (C) or the strongest (D) international travel controls, estimated by using the Kaplan-Meier survival function. Vertical dashed lines in panels B, C, and D indicate the date that Wuhan, China, underwent lockdown; vertical dotted lines indicate the date that the pandemic was declared.

Yang B, Sullivan SG, Du Z, Tsang TK, Cowling BJ. Effectiveness of International Travel Controls for Delaying Local Outbreaks of COVID-19. *Emerg Infect Dis*. 2022;28(1). <https://doi.org/10.3201/eid2801.211944>

SARS CO-V-2 STRAIN MUTATIONS (updated)

There is now a new variant classification from the CDC:

- [Variants Being Monitored \(VBM\)](#) –Includes: Alpha, Beta, Gamma, Eta, Iota, Kappa, Epsilon, Zeta and Mu
- [Variant of Interest \(VOI\)](#) – Currently-None
- [Variant of Concern \(VOC\)](#) – Includes the Delta variant (B.1.617.2 & sub lineages) & Omicron variant (B.1.1.529)
- [Variant of High Consequence \(VOHM\)](#) – Currently-None

Origin/Lineage Name: Variants Being Monitored (VBM)	Name
British-B.1.1.7	Alpha
South Africa-B.1.351	Beta
Brazil-P.1	Gamma
CA-B.1.427/B.1.429	Epsilon
Brazil-P.2	Zeta
Multiple-B.1.525	Eta
Philippines-P.3	Theta

NY-B.1.526	Iota
India-B.1617.1	Kappa
Peru-C.37	Lambda
Colombia-B.1621	Mu

CA Variant [Tracker](#) & [Outbreak.info](#) & [CDC CA Breakdown](#)

CA Variants as of 12/2/21	AY.103 (Delta+)	AY.100 (Delta+)	AY.119 (Delta+)	AY.44 (Delta+)	AY.3 (Delta+)	AY.20 (Delta+)	AY.25 (Delta+)	AY.26 (Delta+)	B.1.617.2 (Delta)	(Other Lineages)
Lineage % (over 30 days)	24%	3%	3%	22%	7%	3%	12%	3%	7%	16%

COVID TESTING OPTIONS

[State of CA COVID-19 Testing Sites](#)

[San Diego County Testing Sites](#)

[Riverside County Public Health Testing Sites](#)

[County of Riverside Funded Testing Locations](#)

Rady Children's:

- **COVID Drive Through Testing**
 - 8001 Frost Street (parking lot near the vaccine clinic)
 - Hours are 7 a.m. to 3 p.m., seven days a week
 - Complete an order for your patients in Epic OR have your patient self-order: <https://redcap.rchsd.org/surveys/?s=XXPXJTT9MD>
 - Call 858-966-8399 Monday-Friday 8:30am-5pm for a drive through appointment
- **Walk in Testing at the MOB**
 - 3030 Children's Way; San Diego, CA 92126
 - Hours are 7:30-5:00 M-F, 9-1 on Saturday
 - Wait times have been as long as 2-3 hours
- Fill out the testing request form first then call 858-966-8399 Monday-Friday 8:30am-5pm
- Patient filled out request: <https://redcap.rchsd.org/surveys/?s=XXPXJTT9MD>

We also learned that the Private Covid Clinic: www.covidclinic.org is offering no-cost testing for people that have been exposed and cannot easily get an appointment with CPCMG or one of the State/County offerings. Some CPCMG providers have gone themselves and there has not been a charge for PCR testing.

THE QUEST FOR IMMUNITY-VACCINATION INFORMATION

San Diego County COVID-19 Vaccine Web Page: [San Diego County Public Health COVID-19 Vaccines](#)

CA COVID-19 Vaccine Web Page: <https://covid19.ca.gov/vaccines/>

CDC COVID-19 Vaccine Web Page: <https://www.cdc.gov/vaccines/covid-19/index.html>

CDC V-Safe Registration: <https://vsafe.cdc.gov/>

CDC COVID-19 Vaccine Special Considerations: [CDC Interim Clinical Considerations](#)

CA My Turn: <https://myturn.ca.gov/> (use google)

CA Digital COVID-19 Vaccine Record: <https://myvaccinerecord.cdph.ca.gov/>

CDC COVID-19 Vaccine Errors/Deviations: [CDC Covid Vaccine Errors/Deviations](#)

CDC COVID-19 Vaccine Info for Parents of Children &

Teens: <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/recommendations/adolescents.html>

CDC Pediatric Professional COVID-19 Vaccine Tool

Kit: <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/toolkits/pediatrician.html>

Regional Covid Clinic Clinical

Direction: <https://cpcmg.knowledgeowl.com/help/covid-vaccine-administration-guidelines>

MONOCLONAL ANTIBODY REGIONAL CENTERS (MARC'S)

Refer COVID-19 patients at high-risk for disease progression for monoclonal antibody treatment **as early as possible in their disease, for greatest effectiveness while their symptoms are still mild or moderate.**

- **San Diego:** To access, have you or your patients call: **619-685-2500.**
 - Of note, the MARC in Escondido closed 10/22/21.
- **Riverside:** No MARC's, but Riverside University Health System, phone number 951-486-6520 has been able to accommodate.

THE FOLLOWING TOPICS HAVE REPEATED GUIDANCE FROM PREVIOUS COVID CHRONICLES EDITIONS (thanks to Dr. Jacobson, they are now hyperlinked)

- **School Covid Decision Tree:** [COVID-19 > Health Practices > Guidelines for Schools \(sdcoe.net\)](#)
- [TESTING-FALSE POSITIVE EVALUATION \(last 12/11/2020\)](#)
- [NEWBORNS & COVID-19 POSITIVE MOTHERS \(last 7/31/2020\)](#)
- [IN CLINIC ALBUTEROL & NEBULIZER GUIDANCE \(last 9/4/2000\)](#)

Knowledge Base

Please visit the [CPCMG Knowledge Base](#) for all sign-ups, knowledge articles, and tip sheets.

Thanks,

-KM

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