



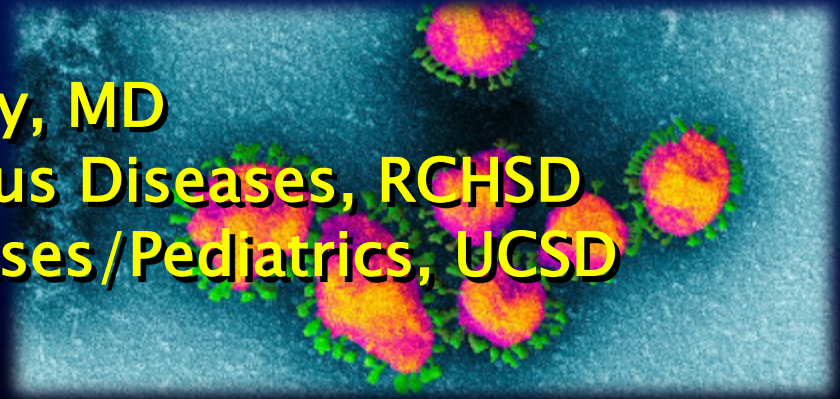
***Solana Beach School District:
Impact of Delta for Students and Teachers***

Board of Education Meeting

August 26, 2021

John Bradley, MD

**Medical Director, Infectious Diseases, RCHSD
Professor, Infectious Diseases/Pediatrics, UCSD**



Delta is the King of COVID Strains

- As you all know, it is much more contagious than the original Wuhan strain, and more contagious than the UK Variant (now Alpha)
- More contagious than our usual strains of flu
- Comes close to what we see with chickenpox
- This means that any susceptible child who is exposed “closely” to Delta, will be infected

What Does “Closely” Mean?

- Hard to define, particularly for children, since most are asymptomatic with infection; we may only know of school transmission when unvaccinated parents get infected and sick from their children
- Exposure of “15 minutes or greater, over 24 hours, at a distance of less than 6 feet” is admittedly conservative (based on indoor adult data)

What Does “Closely” Mean?

- Masks will prevent transmission in “close” situations in classrooms
 - The infected child (usually asymptomatic) will not be able to spread virus
 - The susceptible children will not inhale an infectious dose of virus
- Kids getting together OUTSIDE of a classroom is a concern for us all (esp for school-sponsored activities)
 - Coming to school, leaving school, recess, between classes in hallways, sports teams practice/locker rooms, and parties with friends at homes

School Policies for COVID

- CDC provides guidance, not mandates
- CA Public Health provides Mandates, through County Health Departments
- San Diego County Office of Education (Bob Mueller, lead) and SD County Public Health officers are working with school districts to inform, educate, and help implement policy that seems to keep changing frequently as we respond to COVID disease activity

Medical Priorities Balanced with Reality

- Back to school, safely
- Perhaps more stringent efforts are justified initially to demonstrate that we can get kids back in school without creating a health risk to other kids, teachers and staff, parents, grandparents, and other at-risk relatives
- We just moved to Level 1 Activation of Health Services Capacity... we can't afford to have school children add to our local COVID disease burden



County of San Diego

HERMAN REDDICK
DIRECTOR
(858) 467-9662
Fax (858) 467-9662

PUBLIC SAFETY GROUP
SAN DIEGO COUNTY FIRE
SAN DIEGO COUNTY EMERGENCY MEDICAL SERVICES OFFICE
5510 Overland Avenue, Suite 250, San Diego, CA 92123-1239
www.SanDiegoCountyEMS.com

ANDREW (ANDY) PARR
EMS ADMINISTRATOR
Deputy Director, Departmental Operations
(619) 285-6429

August 25, 2021

TO: Health Services Capacity Task Force Expanded Operational Group

FROM: Kristi L. Koenig, MD, FACEP, FIFEM, FAEMS
Marlena Montgomery, MSN, MBA, RN

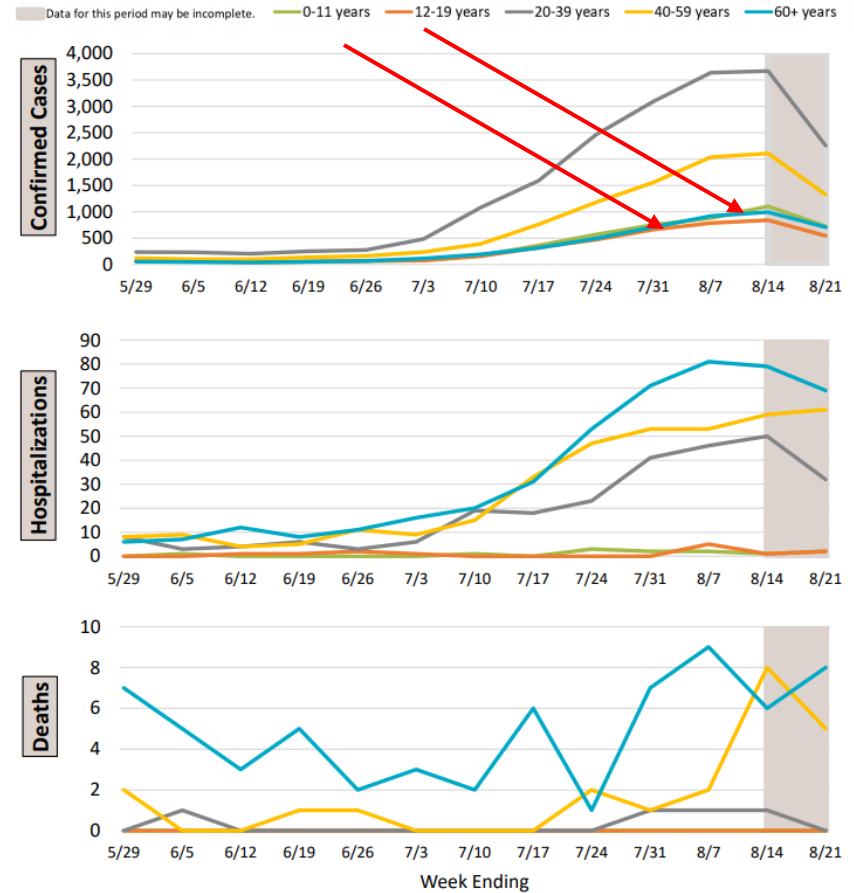
ALL-HAZARD HEALTH SERVICES CAPACITY MANAGEMENT PLAN LEVEL ESCALATION TO LEVEL 1 FULL ACTIVATION

Effective immediately, upon recommendation of the Health Services Capacity Task Force (HSCTF), the All-Hazard Health Services Capacity Management Plan activation level has elevated from Level 2 Enhanced Activation to **Level 1 Full Activation**. Over the last two weeks, an unprecedented increase in patient care demands, combined with reduced hospital capacity and prolonged EMS Transfer of Care times, have demonstrated significant strain throughout the entire healthcare delivery system.

COVID Cases, by Age, since May, SD County

- Our COVID spread in SD is NOT being driven by children, but by the 20–39 year-olds, unvaccinated

Figures 7-9. Weekly COVID-19 Counts by Age – Previous 3 Months



COVID-19 WATCH

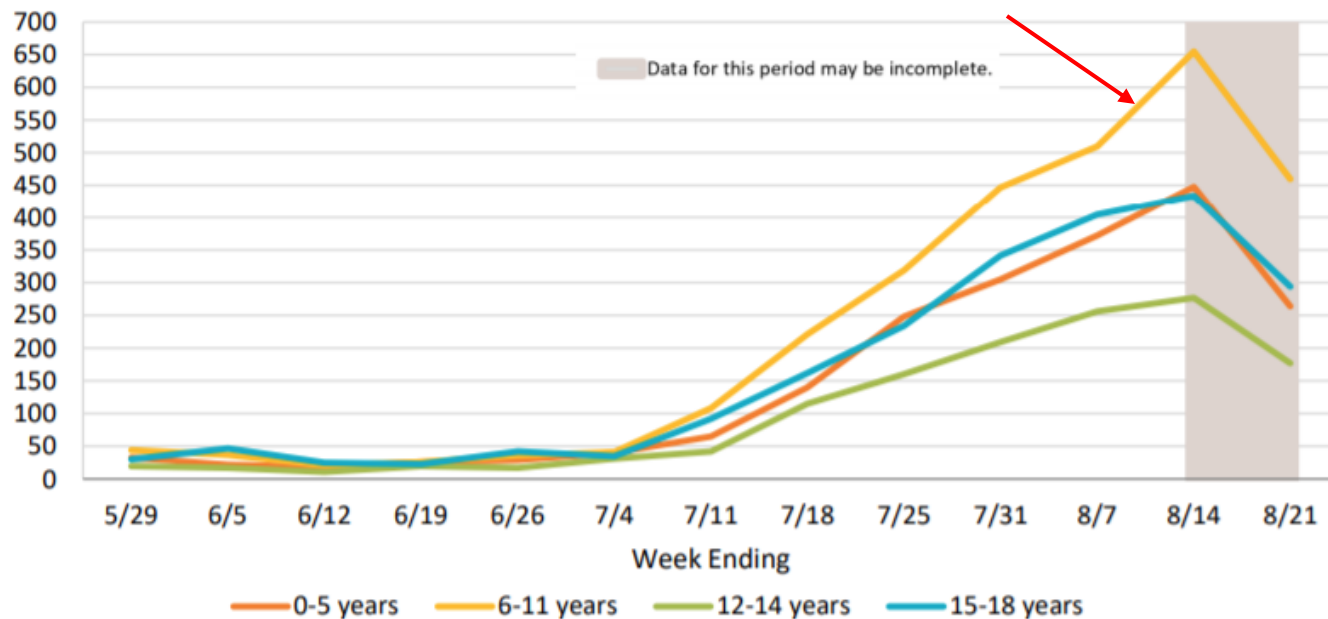
Weekly Coronavirus Disease 2019 (COVID-19) Surveillance Report



COVID Cases, by Age, since May, SD County:
6-11 yrs!

COVID-19 Cases in Children and Outbreaks in School Settings

Figure 22. COVID-19 Confirmed Cases for Ages 0-18 Years by Week of Illness Onset,* San Diego County Residents, N=8,450



*When onset date is unavailable, specimen collection date, date of death, or date reported is used instead.

COVID Cases Being Tracked in Schools

Public Information! Sign up for COVID-19 WATCH!

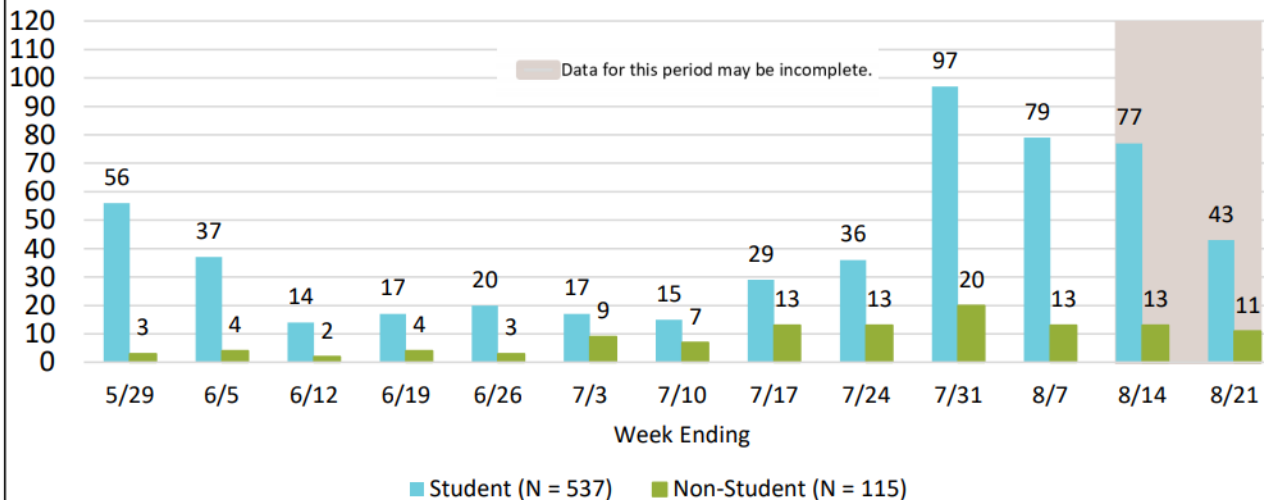
COVID-19 WATCH

Weekly Coronavirus Disease 2019 (COVID-19) Surveillance Report



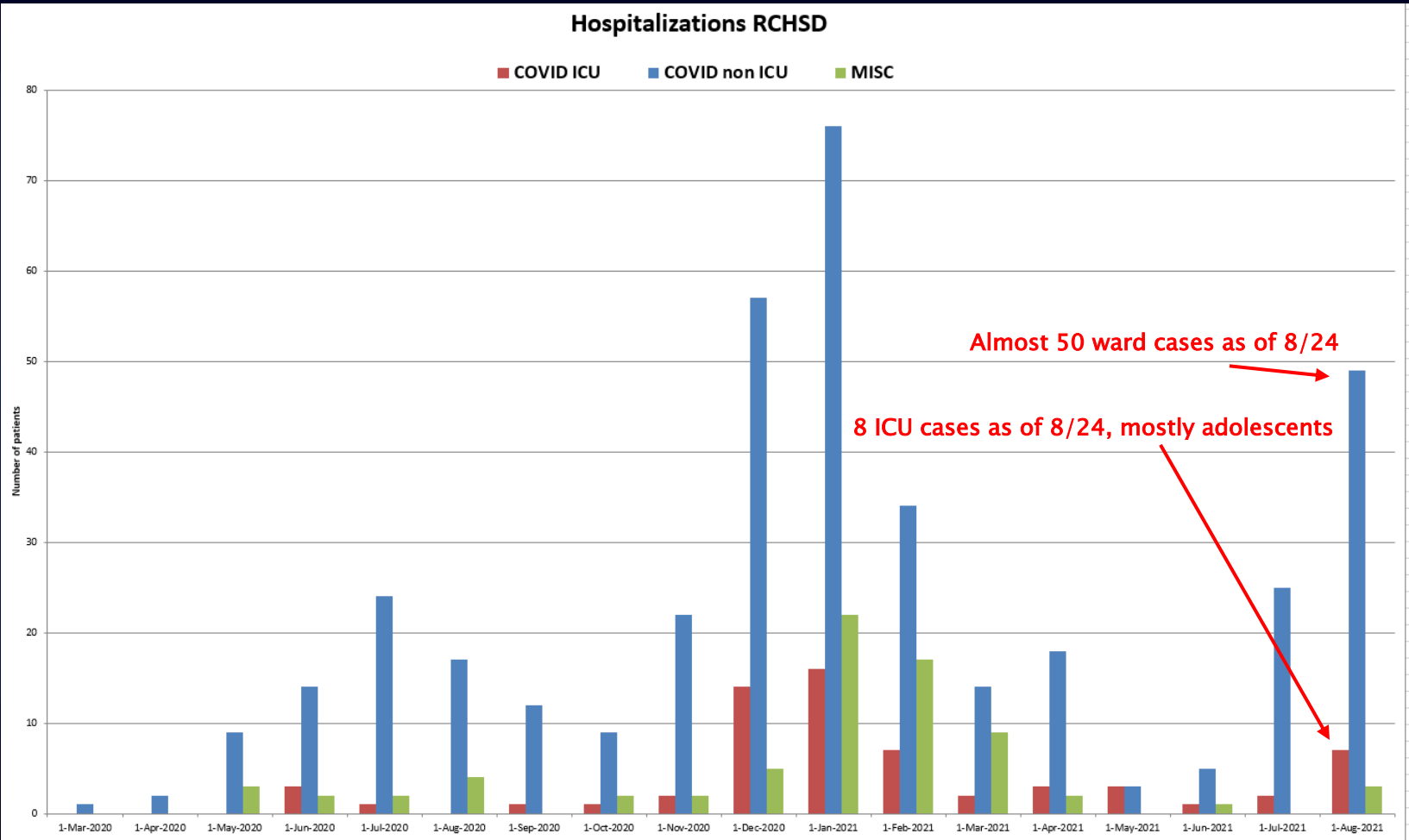
COVID-19 Cases in Schools

Figure 24. Confirmed Cases Physically Present at K-12 Schools During Exposure Period* by Week of Illness Onset**, San Diego County Residents, N=652



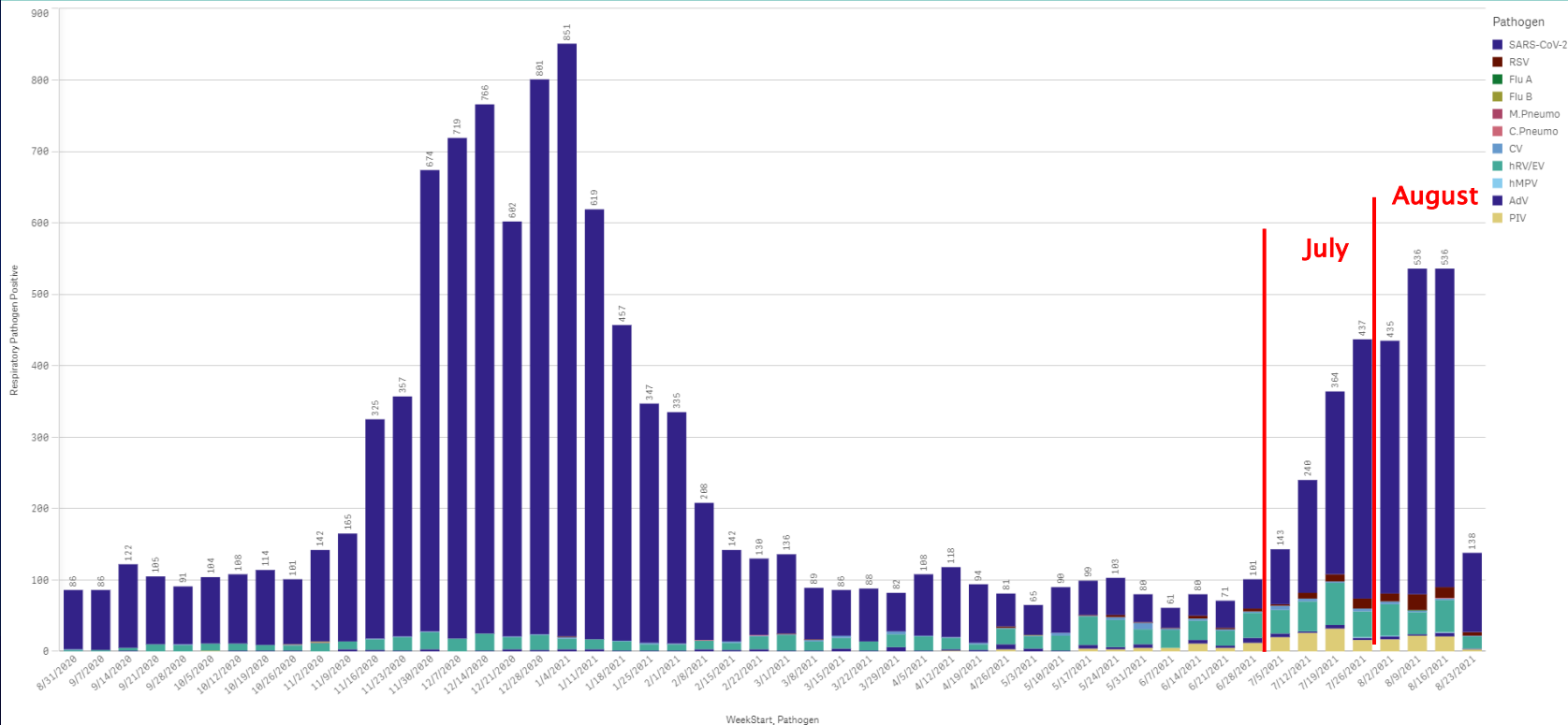
*Cases are among students and non-students physically present at a K-12 school 2-14 days prior to symptom onset (or lab collection date if asymptomatic) with COVID-19.

Hospitalizations at RCHSD, by Month



RCHSD Lab Report for Viral Pathogens, from RCHSD hospital, clinics, community (blue is COVID)

Positive Respiratory Pathogens by Week



What Can We All Do?

- Vaccinate all those who are eligible
- Masks for close contacts
 - Sitting in a classroom is relatively low risk for spread droplets/aerosols
 - Exertion increases droplets/aerosols!
- Maximize ventilation

- Hope that we get to “herd immunity” soon (which may require $>90\%$ immune)...
- Immunize for influenza!!

Immunization Rates in 12–17yo Tracked in Schools by SD County Public Health

COVID-19 Vaccinations Report - San Diego County Residents with At Least One Dose of COVID-19 Vaccine, Ages 12-17 Years Old
Data through 8/24/2021, updated 8/25/2021 8:00 AM
Data are preliminary and subject to change



San Diego County Residents Ages 12-17 Years Old Who Received at Least One Dose of COVID-19 Vaccine					
	12-17 Years Old Population	Total Vaccinated	Percentage of Total Vaccinated	Percentage of Population Vaccinated	Vaccination Rate per 1,000*
	239,401	157,588		65.8%	658.3
Selected Characteristics					
Gender					
Female	116,702 (48.7%)	79,818	50.6%	68.4%	683.9
Male	122,699 (51.3%)	77,169	49.0%	62.9%	628.9
Gender Unknown		601	0.4%		

Questions?

