

# AAP-OC Chapter Chat

## RETURN TO SCHOOL

Wednesday, July 15, 2020

6:30 – 7:30 PM



# Welcome

Kate Williamson, MD  
*President, AAP-OC Chapter*



# AAP-OC Chapter Chat - Housekeeping

- Participants will be muted upon entering the call and will remain muted during the chat
- Use the Q and A to ask questions of the panelists or for any technical assistance
- This webinar will be recorded and posted on the AAP-OC Chapter website



# Who Are We & What Do We Do?

## National, Chapter, & District Overview

Chapter: AAP-OC (California Chapter 4)

### Who are We?

- ▶ Geographically smallest chapter of national AAP
- ▶ Youngest chapter of national AAP (1982)
- ▶ Collaboration with 3 other chapters to create AAP-CA







# What Do We Do?

Our Mission: To achieve optimal health for all Orange County children by promoting pediatric excellence.

We accomplish this through:

- ✓ Excellence in Education
- ✓ Community Health Advocacy
- ✓ Legislative Advocacy



# RETURN TO SCHOOL IN COVID19

Dr. Dan Cooper, UCI  
Pamela Kahn, R.N., OCDE  
Dr. Michael Weiss, CHOC





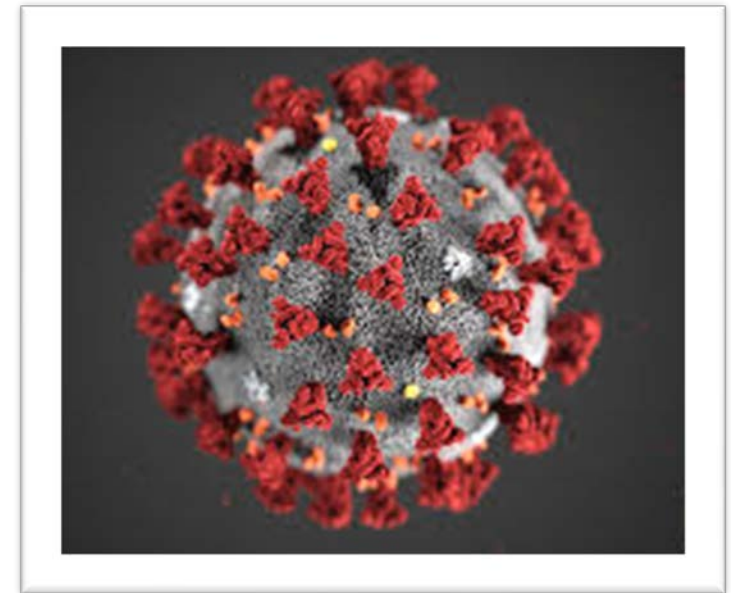
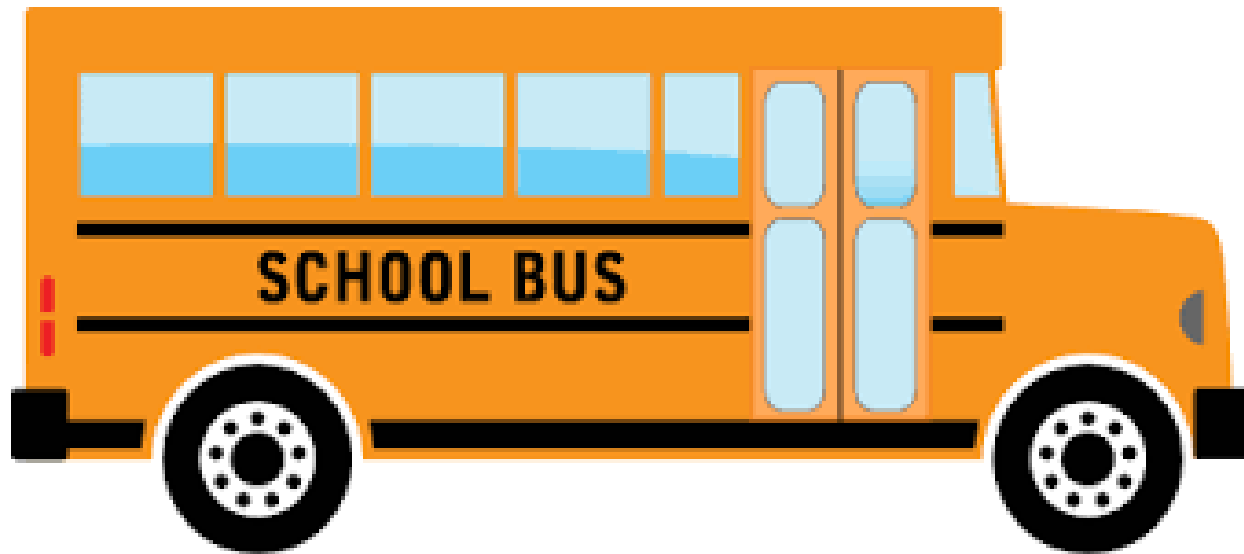
# OC RETURN TO SCHOOL

- Who is the OCDE & OCDE Task Force?
- Why is it important for kids to go back to school?
- What:
  - Guidelines: OCDE Task Force
  - UCI Research Study
- Q&A



# O.C. Back To School Update 7/15/20

Dr. Dan Cooper, UCI  
Pamela Kahn, R.N., OCDE  
Dr. Michael Weiss, CHOC



# Evidence-Based Recommendations

- Aligned Input
  - AAP
  - CA Dept. of Public Health
  - CDC
  - CA Department of Education
  - UCI
  - CHOC Children's
  - O.C. Health Care Agency

# O.C. Together Recommendations

- [OCDEinstructure.com/courses/669](https://ocdeinstructure.com/courses/669)
- Gating Item: Awareness of individual community disease prevalence
- Domains
  - Hygiene
    - Hand Washing, Masks
  - Healthy Environment
    - Frequent Cleaning/Disinfection, Reduce Sharing of Objects/Drinking Fountains
  - Healthy Operations
    - Classroom 6 foot spacing, Cohort Students, Outside Classrooms, No Cafeteria
  - Preparation if Someone Becomes Ill
    - Temperature Checks, Visual Checks, Defined Protocols if Positive Findings
- Checklist and Attestation Process

# Specifics

- Masks (“to the extent feasible”)
  - Highly recommended, especially when 6-foot spacing is not possible
  - Considerations for those in pre-K to 3<sup>rd</sup> grade
  - All staff
- Hand Washing
  - Education
  - Soap, 20 seconds, sanitizer as alternative
- Spacing
  - AAP: 3-6 feet
  - Others: 6 ft
  - Cohort students, when possible
  - Stagger drop-off/pick-up
- Recess/Meals/Personal Items
  - Minimize Sharing
  - Meals in the Classroom, individually packaged

# Attestation Process

- On behalf of the \_\_\_\_\_ School District, I attest that I have
- taken the steps necessary to reopen school in a safe and responsible manner and
- completed the following measures in accordance with the industry-specific
- guidelines from the California Department of Public Health and the requirements of
- the Orange County Health Care Agency:
  - 1. Develop a Written Worksite Specific Plan
  - 2. Provide Relevant Training for Employees and Students
  - 3. Plan Individual Control Measures and Screening
  - 4. Implement Thorough Cleaning and Disinfecting Protocols
  - 5. Promote Physical Distancing Guidelines

# It's Not That Easy

- Social/Political Divides
- Decisions Live at the Individual District Level
- Reality of Varying Developmental Capabilities
- Inequities
  - Technology
  - Socioeconomics
- Children with Special Needs
  - IEP's
  - Therapies
- Teachers/Staff Protection

# Longer Term

- Psychosocial Effects
  - ACE's
  - Overall Development
- “Lost” Students
- Food Insecurity
- Parental Workforce Issues
- School/District Economics and Resources (PPE, etc.)



The logo features a central white starburst shape with a soft blue gradient, set against a solid blue background. The text is centered within the starburst.

# UCI CHOC Healthy School Restart

Dan Cooper, MD  
Erlinda “Chulie” Ulloa, MD, MSc  
Diana Stephens, MBA

Today....

The National Academies of SCIENCES ENGINEERING MEDICINE THE NATIONAL ACADEMIES PRESS

This PDF is available at <http://nap.edu/25858>

SHARE   



Reopening K-12 Schools During the COVID-19 Pandemic: Prioritizing Health, Equity, and Communities (2020)

**DETAILS**

124 pages | 6 x 9 | PAPERBACK  
ISBN 978-0-309-68007-3 | DOI 10.17226/25858

**Recommendation 9: Urgent Research.** The research community should immediately conduct research that will provide the evidence needed to make informed decisions about school reopening and safe operation.

**The most urgent areas for inquiry are:**

- Children and transmission of COVID-19
- The role of reopening schools in contributing to the spread of COVID-19 in communities
- The role of airborne transmission of COVID-19
- The effectiveness of different mitigation strategies.

## Background

- Schools closed in most countries at the start of the pandemic
- Decision was made on scant data
- Economy is dependent on children attending in-person classes
- Behavioral, learning, and physical health is deteriorating in many children as a result of school closures
- AAP recommends school reopening even during the pandemic

## Background

- Disease severity in school-aged children appears to be much less than in adults
- Minimal child-to-adult COVID-19 transmission during “shelter in place”
  - ✓ Little or no data on this issue since children returned to schools
- Data in other countries do support severe school-related COVID-19 outbreaks
  - ✓ But there have been outbreaks
  - ✓ Schools **did not** return to “status quo ante”

## **PROBLEM**

There is an urgent need to investigate SARS-CoV-2 transmission in children as K-12 schools reopen to assess the effectiveness of COVID-19 mitigation procedures across demographically diverse populations.

## Team



Dan Cooper, MD  
Pediatrics, Pulmonologist  
UC Irvine, CHOC  
Associate Vice Chancellor Research



E.R. Chulie Ulloa, MD, MSc  
Pediatrics, Infectious Disease  
UC Irvine, CHOC



Diana Stephens, MBA  
Project Director  
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Jessica Ardo, MSW, BA  
Clinical Research Coordinator  
CHOC



Kirsten Kasper  
Clinical Research Coordinator  
CHOC

## Partners



## Our Experience in School-based Research

- NIH Project HEALTHY
- Mitigate obesity and type 2 diabetes in lower SES middle schools
- PE and nutrition
- Enrolled 3,000 6<sup>th</sup> graders nationally with OGTT performed at school
- Results published in NEJM
- Recent asthma training in elementary school in Santa Ana (Dr. Kim Lu PI)





# Natural Experiment: Impact of SES on School-site Mitigation Effectiveness (examples)

Table 1. Examples of SES and Other Factors Likely to Influence State Guidelines for Safe Reopening of Schools	
California Department of Education guidelines (selected)	Possible impact of SES and challenges of special needs students
Purchase a sufficient number of no-touch thermal scan thermometers for symptom screenings.	<ul style="list-style-type: none"> <li>• Absent state support, many lower SES schools cannot afford the equipment or manpower to rapidly screen all students upon entry.</li> <li>• In contrast, one private school in our region raised \$60K to purchase thermal scanners such as used at airports and amusement parks.</li> </ul>
Limit number of students physically reporting to school.	Square footage per student is much smaller in typical K-12 schools in lower SES neighborhoods.
Physical education (PE) should be limited to activities that do not involve physical contact with other students or equipment until advised otherwise by state/local public health officials.	In the best of times, finding skilled PE teachers, space for activities, and equipment are challenging for lower SES public schools. Private schools in our region have plans in place to hire additional PE personnel and equipment.

## HYPOTHESIS

The effectiveness of the mitigation efforts may be reduced in Orange County's lower socioeconomic status (SES) schools which by and large consist of Latinx and new immigrant students and in schools that reach out to children with special needs.

To test this hypothesis, we have selected **4 representative schools** that highlight the challenges faced across the country as we reopen schools.

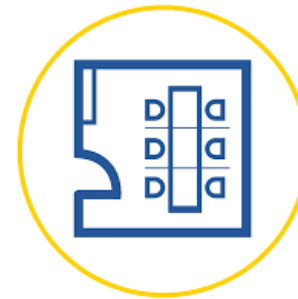
# Research Goals

Our objective is to begin research on COVID-19 transmission in children and adolescents as K-12 schools reopen across the country.



## Aim 1

Evaluate the prevalence of SARS-CoV-2 in students and school personnel.



## Aim 2

Assess the fidelity and feasibility of COVID-19 mitigation procedures designed for the school settings.

# Evaluating Disease Spread

Deploy trained healthcare professionals to measure COVID-19 related symptoms, viral shedding, serology and contact tracing as indicated by the county public health agency.

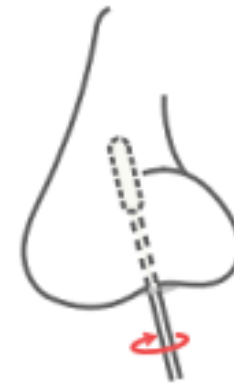
## Ancillary studies

Molecular epidemiology, phylogenetic analyses and additional testing of more common respiratory-disease viral pathogens will be used to quantify viral transmission in the school setting.

Neutralizing antibodies, adaptive/innate immune responses.

# Evaluating Disease Spread

- 2 Visits to the site
  - Beginning and end of the semester
  - Research team with additional CHOC support
- Anterior Nasal Swab
  - Tests for COVID-19
  - Tests for other respiratory diseases
- Phlebotomy



# Assessing mitigation

To assess the fidelity of mitigation procedures, we will employ novel, direct observation, approaches of the implementation of physical distancing in the classroom, hallways, and physical education.



# Assessing mitigation

- 3 Visits to the site
  - Beginning, middle and end of the semester
  - 2 trained Observers
- Specialized observation develop from **System for Observing Play and Leisure Activity in Youth (SOPLAY)**
- 



# Enrolling Students

The success of this project is dependent on enrolling students. All information for the study will be available in **English and Spanish**. All information sessions, consenting sessions and testing will have access to Spanish speaking research team members.

- Information sessions Presenting to families (English and Spanish)
- IRB pending (English and Spanish)
- Virtual Consenting (English and Spanish)

*This study is entirely voluntary and all participants can withdraw at anytime*



## Reporting Back

Throughout the study we will be in contact with the School personnel, OC Health Care Agency and Families.

**All positive tests will be**

- 1) reported to the families
- 2) reported to OCHCA by the testing lab for contact tracing

Final report will be provided to the school

**Thank You**  
**Questions?**

# *Questions and Answers*



# Take Home

- Volunteer to help schools with return to-school plans
- OCDE Task Force website  
<https://ocde.instructure.com/courses/669>
- AAP-OC: your community resource  
[www.aap-oc.org](http://www.aap-oc.org)





Visit our Website  
[www.aap-oc.org](http://www.aap-oc.org)

And join us on social media



@ocaap



@AAPOCChapter4



@OCAAP

# Become a Member!

- Free/reduced-price CME events for members
- Practice Support
- Networking
- Community Engagement
- Advocacy

Membership Dues: \$225/year

Chapter Affiliate: \$145/year

(Allied Health, Nurse, Parent/Family, Professional Staff, Non-healthcare)



[www.aap-oc.org/membership](http://www.aap-oc.org/membership)

## How You Can Help



By making a donation to AAP-OC today, you will directly help children and families participating in our community programs that address pressing and current health issues facing Orange County's children.

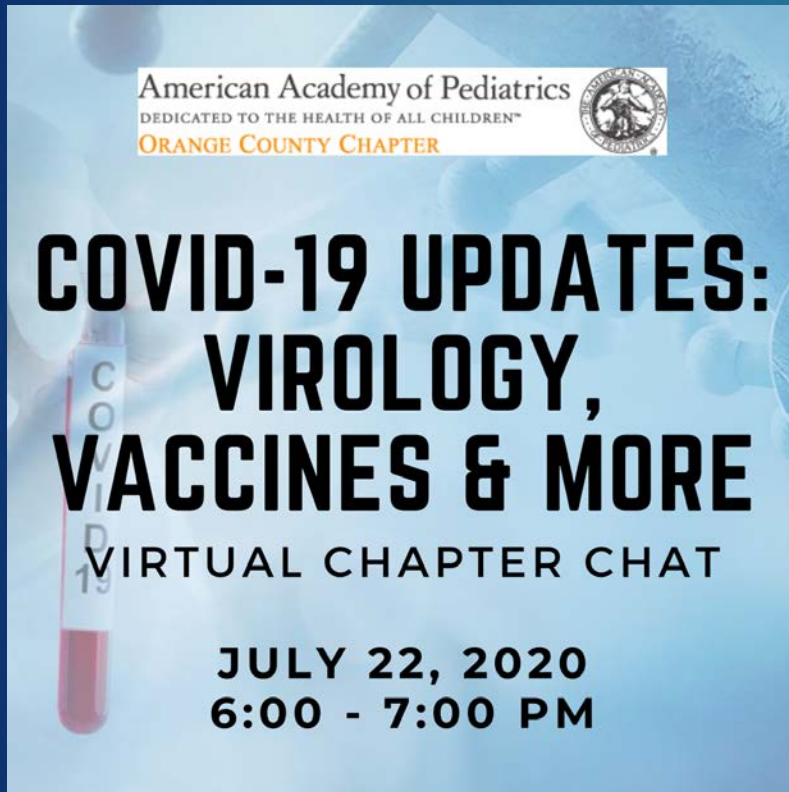
## Donate to the Chapter

- Provides support to our strategic priorities
- To be a "We Care for Kids" donor:
  - Go to <https://www.aap-oc.org/support-us/>
  - Click the "Donate" button on the Main Page

American Academy of Pediatrics  
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ORANGE COUNTY CHAPTER



# SAVE THE DATE



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ORANGE COUNTY CHAPTER

**COVID-19 UPDATES:  
VIROLOGY,  
VACCINES & MORE**

VIRTUAL CHAPTER CHAT

**JULY 22, 2020  
6:00 - 7:00 PM**

The poster features a background of a person wearing a face mask and a hand holding a test tube labeled 'COVID-19'. The American Academy of Pediatrics logo is in the top right corner.

- Save the Date! Next AAP-OC Chapter Chat:
  - ▶ Wednesday, July 22, 2020  
6:00pm – 7:00pm (NOTE Earlier Time)
  - ▶ Registration link on our webpage:  
[www.aap-oc.org/covid-19](http://www.aap-oc.org/covid-19)

*If not us, who? If not now, when?*