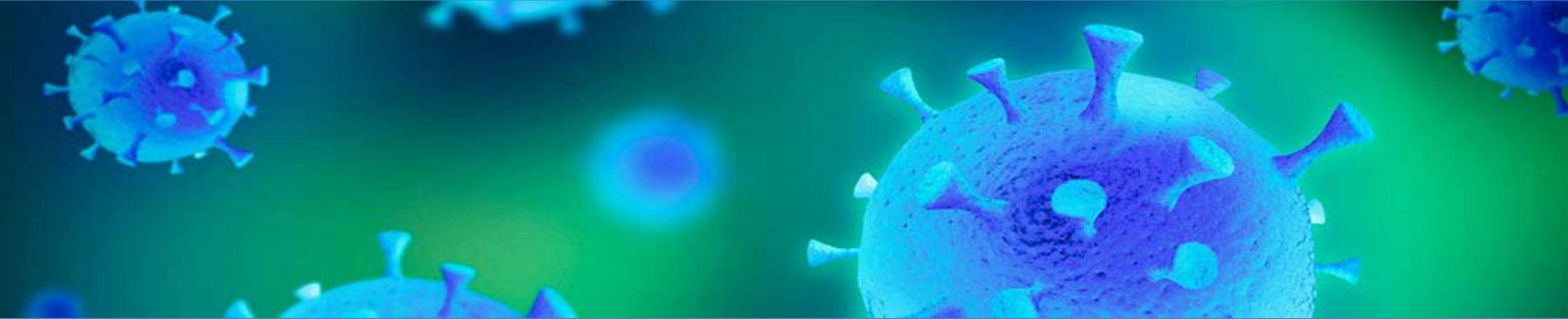


# VCHIP / CHAMP / VDH COVID-19 UPDATES



*Wendy Davis, MD FAAP - Vermont Child Health Improvement Program, UVM*

*Breena Holmes, MD FAAP – Director of Maternal & Child Health, Vermont Department of Health*

*June 4, 2020*



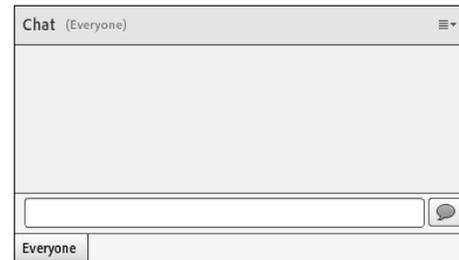
# Technology Notes

**1) All participants will be muted upon joining the call.**

**If you dialed in or out, unmute by pressing #6 to ask a question (and press \*6 to mute).**

Presenters: Please avoid the use of speakerphone and make sure your computer speaker is muted if you dialed in via phone.

**2) To ask or respond to a question using the *Chat* box, type your question and click the  icon or press Enter to send.**



# New Schedule of COVID-19 Update Calls

- Starting **this** week: 3 days/week
  - ▣ **Monday (6/1), Wednesday (6/3), Thursday (6/4) – *no call Friday (tomorrow)***
  
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# Overview

- Today is Audacity to Hope Day
- Situation update
  - ▣ Surveillance
- Other updates
- Practice Issues: Updates on Transmission, Masking, and Serology
- Q & A, Discussion



*[Please note: the COVID-19 situation continues to evolve very rapidly – so the information we’re providing today may change quickly]*

# Situation update

Total Cases	<b>1,026</b>
Currently Hospitalized	<b>0</b>
Hospitalized Under Investigation	<b>13</b>
Total People Recovered	<b>881</b>
Deaths	<b>55</b>
People Tested	<b>37,834</b>
People Being Monitored	<b>46</b>
People Completed Monitoring	<b>907</b>
Last Updated: 6/04/2020, 10:34 EDT	

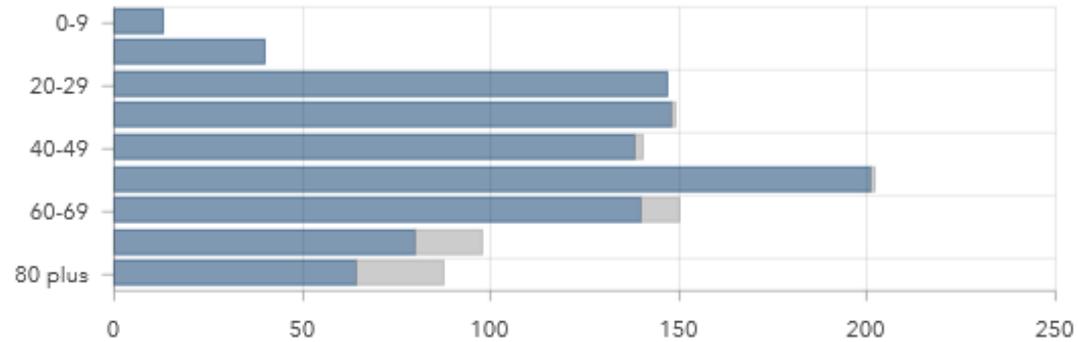
- ❑ **Zero patients in hospital!**
- ❑ Total tests from special testing in Winooski this week (6/1 – 6/3/20) > 200
- ❑ Ongoing opportunities for testing of asymptomatic persons at pop-up sites – find times/locations & register at:  
<https://humanresources.vermont.gov/popups>

As of May 16, the total testing numbers decreased by about 1,000 due to a change in reporting data. The “total tests” number no longer includes serology tests (also known as antibody tests) that were being reported by some labs. The “total test” number now only reflects people who were tested for a current COVID-19 infection.

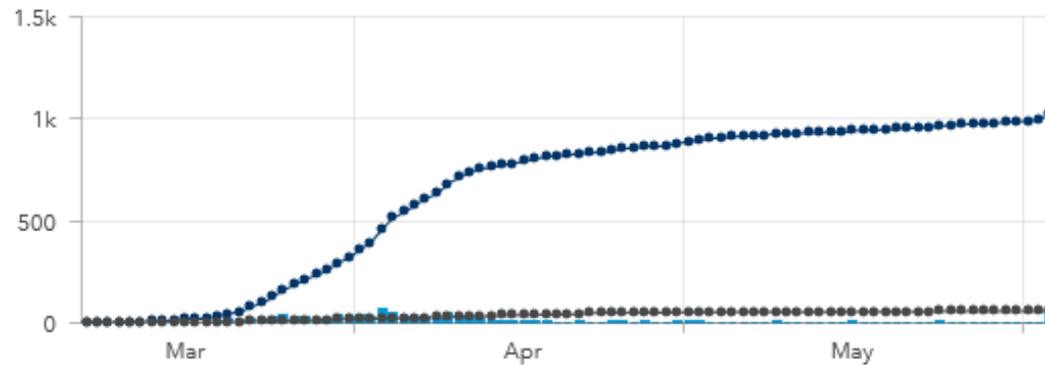
Reminder: “Total People Recovered” based on the number of confirmed positive cases (VT residents & non-VT residents who tested positive in VT; does not include deaths or patients currently hospitalized).

# Situation update (cont'd.)

COVID-19 **Cases** and Deaths by Age Group



Vermont COVID-19 **New** and **Cumulative** Cases, **Cumulative** Deaths



Hover over chart to see values

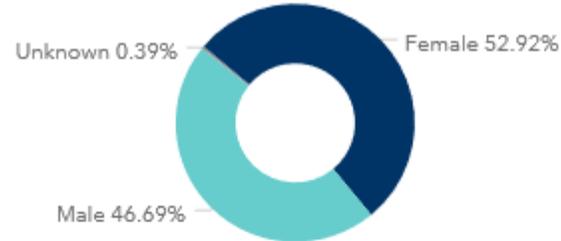


Cases and Deaths by Date and Age



# Situation update (cont'd.)

COVID-19 Positive Cases by Sex



COVID-19 Positive Cases by Ethnicity if Known



COVID-19 Positive Cases by Race if Known



Hover over charts to see values



Cases by Sex, Ethnicity and Race



# Webinar Reminder

- ***Next PMI –PCC Webinar:*** The Business Impact of COVID-19 on Pediatric Practices
  - *Tonight, Thursday, June 4 at 7 p.m. Eastern*

# Updates from UVM Medical Center

- Email from Dr. Mike D'Amico, Medical Staff President (6/3/20)
- UVM MC plans to “re-emerge and re-open”
- Helpful links:
  - ▣ General COVID-19 information/current policies:  
<https://www.uvmhealth.org/Pages/Coronavirus/For-Medical-Professionals>
  - ▣ Pre-procedural COVID19 testing policy (and exceptions):  
[https://www.uvmhealth.org/Documents/COVID19/UVMHN\\_POLICY\\_COVID\\_Testing](https://www.uvmhealth.org/Documents/COVID19/UVMHN_POLICY_COVID_Testing)
  - ▣ <https://www.uvmhealth.org/Documents/COVID19/Ordering%20and%20Use%20of%20COVID-19%20Serology%20Testing>

# Wednesday Media Briefing (6/3/20)



## Commissioner Levine

- Winooski case cluster: expanded testing (200 residents on 6/1 and 6/2) revealed new cases in range of 10 – 20 (not unexpected).
- VDH Epi Team in process of verifying/validating data; details will be forthcoming as possible.
  - ▣ Contact tracers are working with those involved (using standard public health approach)
  - ▣ Cases indicate that virus is still active in Vermont.
  - ▣ VDH continues to collaborate with city of Winooski and community partners; assure all are taking steps to stop the spread.

# Practice Issues

## Updates on Transmission, Masking & Serology

*Reed Hausser, MD Candidate, LCOM Class of 2021*

*Ben Lee, MD FAAP; William Raszka, MD FAAP*



The University of Vermont  
LARNER COLLEGE OF MEDICINE

THE  
University of Vermont  
Children's Hospital

# Updates on Transmission, Masking, and Serology

Reed Hausser

Ben Lee

William Raszka

# Transmission

- Children continue to make up a very small percentage of COVID cases
  - Children 0-10 are ~1% of cases, and children 11-18 are 2-5%.<sup>1</sup>
- Most children exposed at home, with few community exposures.
  - CDC reports 91% in the US due to household exposure.<sup>1,2</sup>
- Children also less likely to become infected after household contacts (HHC) than adults
  - Secondary attack rates of 4% and 17.1% respectively.<sup>3</sup>
- Children are infrequently transmit infection to adult HHC
  - Only 8% of pediatric cases had children developed symptoms prior to adult HHC.<sup>4</sup>
  - In two studies totaling 485 households with COVID, zero index cases identified <15 years old.<sup>5</sup>

1. CDC "MMWR, Feb 12-Apr 2,2020."

2. Wu, Qin, et al. "Co-infection and other clinical characteristics of COVID-19 in children."

3. Li, Wei, et al. "The characteristics of household transmission of COVID-19."

4. Posfay-Barbe, Klara M., et al. "COVID-19 in Children and the Dynamics of Infection in Families."

5. Ludvigsson, Jonas F. "Children are unlikely to be the main drivers of the COVID-19 pandemic—a systematic review."

# COVID-19 Transmission In Schools

- One symptomatic COVID+ child in France visited three schools causing 86 school exposures and 112 total exposures.
  - No new cases of COVID<sup>1</sup>
  - Extensive influenza transmission at the time.
- New South Wales (Australia) had 18 COVID patients across 15 schools with 863 contacts
  - Only two new cases identified<sup>2</sup>

1. Danis, Kostas, et al. "Cluster of coronavirus disease 2019 (Covid-19) in the French Alps, 2020."

2. NSW Government, "Report: COVID-19 in Schools and the Experience in NSW." *NSW Government*, 6 May 2020

# International School Experience

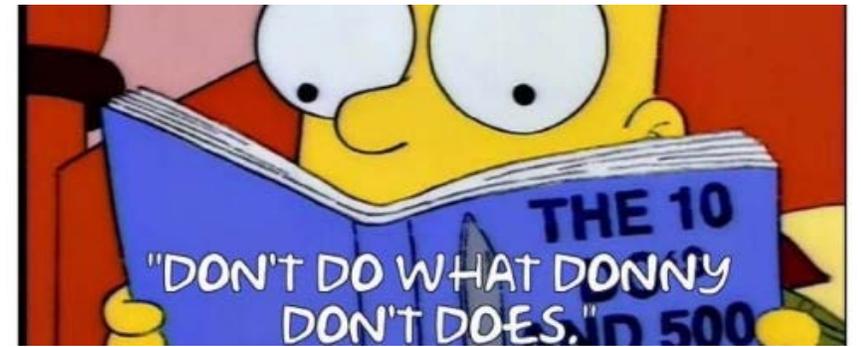
- Sweden and Taiwan never closed primary schools
  - Neither country has seen significant education based clusters
    - 1 HS in Sweden closed
- Most countries in Europe have been reopening schools since April
  - No nationwide increase in cases
  - Few new clusters
    - Israel appears to be having some increased activity associated with schools, but it is still too early to say exactly what's happening.

# Summary:

- To date children seem:
  - Less commonly infected (or diagnosed)
  - Less likely to transmit
  - Unlikely to be the key drivers of the pandemic

# WHO mask policy: mixed messages

- Recent confusion regarding statements on masks (“WHO says healthy people should not wear masks”)
- Type of mask:
  - Medical
  - Homemade
- Purpose:
  - Protecting the wearer?
  - Protecting others?



## When and how to wear medical masks to protect against coronavirus?



<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public/when-and-how-to-use-masks>

# What WHO actually says:

- “If you do not have any respiratory symptoms... you do not need to wear a medical mask.”
- “Caregivers or those sharing living space with [a COVID-19 patient] should wear a medical mask when in the same room as the affected person”

**WHO stresses that it is critical that medical masks and respirators be prioritized for health care workers.**

The use of masks made of other materials (e.g., cotton fabric), also known as nonmedical masks, in the community setting has not been well evaluated. There is no current evidence to make a recommendation for or against their use in this setting.

# Antibody testing for COVID-19

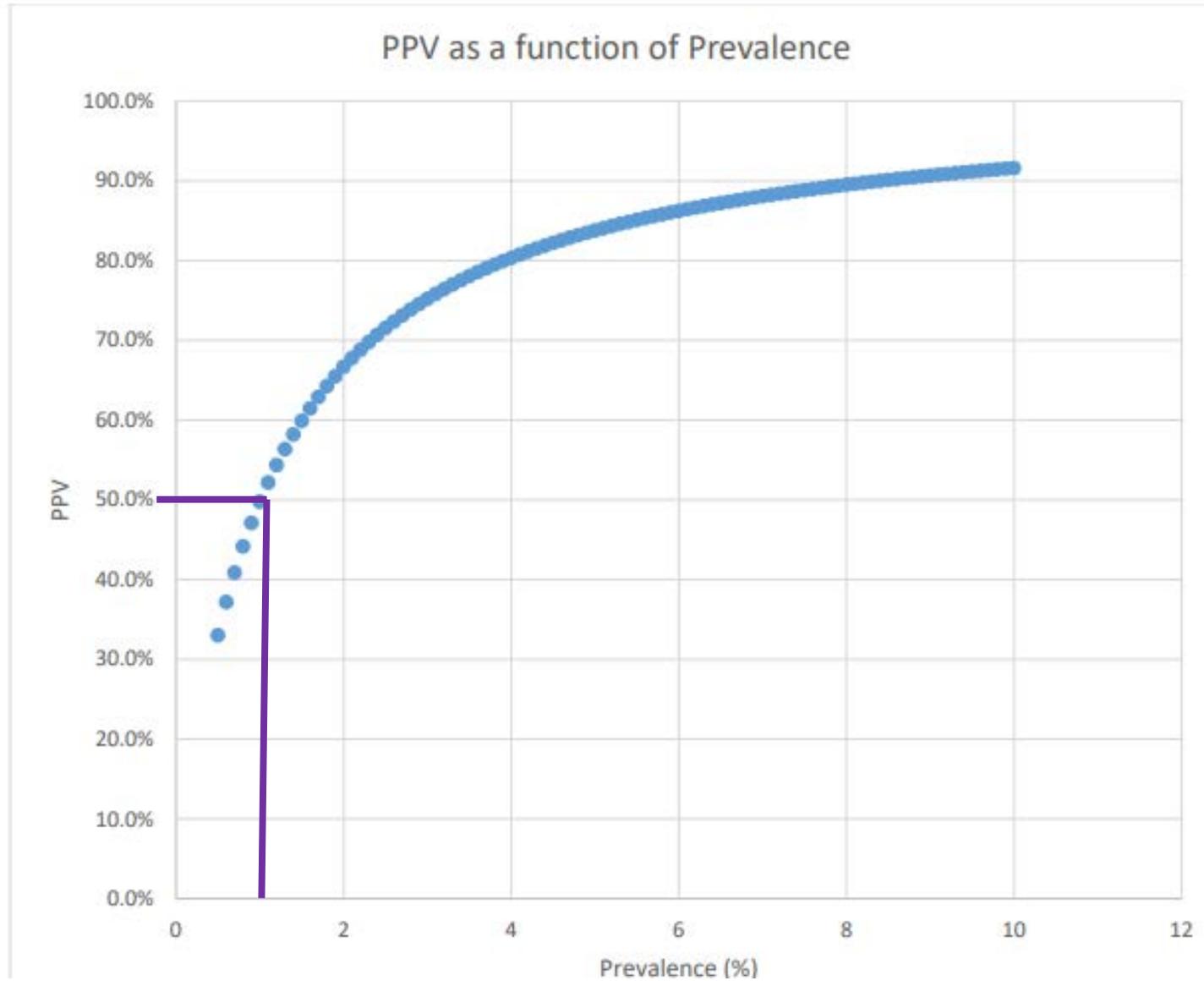
- Antibody testing:
  - Wide variability in platforms, antibodies tested, and characteristics
  - A positive result indicates past infection\*
  - Has not been correlated with immunity or duration of immunity



# Antibody testing for COVID-19

- Appropriate uses:
  - Learning how many in a population have been infected
    - epidemiology not clinical application
  - Identifying children with MIS-C associated with COVID-19
  - Assessing COVID-19+ convalescent plasma donors
- Inappropriate uses:
  - Diagnose acute COVID-19 infection
  - Determining immunity to COVID-19
  - Making “return-to-work”, use of masks or other PPE, or risk stratification decisions
- Need to be interpreted in the context of local prevalence

# A test with 98% sensitivity and 99% specificity



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# *AAP-VT CHAPTER TASK FORCE ON MINORITY HEALTH, EQUITY AND INCLUSION*

Child health and mental health providers, trainees, family advisors, youth, representing diverse geographic and clinical practice areas throughout Vermont

## Objectives:

Guidance and resources for practices working towards creating a culturally safe medical home

Resources for families experiencing racism and screening tools and guidance for pediatricians

Guidance and resources for families to promote anti-racism

# Upcoming Topics

- Emerging guidance for school re-opening, fall 2020
- Immunization strategies/policy: catch-up, flu, COVID-19
- Refining guidance re: testing of HCWs in practices
- MIS-C (Multi-System Inflammatory Syndrome in Children)
- AAP-VT Task Force
- Continue to follow developments in telehealth/telephone coverage
- Health care “restart” details
- Summer camps/other recreational activities
- OneCare Vermont all-payer model adjustments

# Questions/Discussion

- Q & A Goal: monitor/respond in real time – record/disseminate later as needed (and/or revisit next day).
- **For additional questions, please e-mail:**
  - [vchip.champ@med.uvm.edu](mailto:vchip.champ@med.uvm.edu)
  - **What do you need** – how can we be helpful (specific guidance)?
- **VCHIP CHAMP VDH COVID-19 website:**  
[https://www.med.uvm.edu/vchip/projects/vchip\\_champ\\_vdh\\_covid-19\\_updates](https://www.med.uvm.edu/vchip/projects/vchip_champ_vdh_covid-19_updates)
- Next CHAMP call: **Monday, June 8, 12:15-12:45** (same webinar/call information – invitation to follow) – ***last call for this week.***
- Please tune in to VMS call with Commissioner Levine:  
**Tuesday, June 9, 12:15-12:45**  
**Phone: 1-802-552-8456**  
**Conference ID: 993815551**