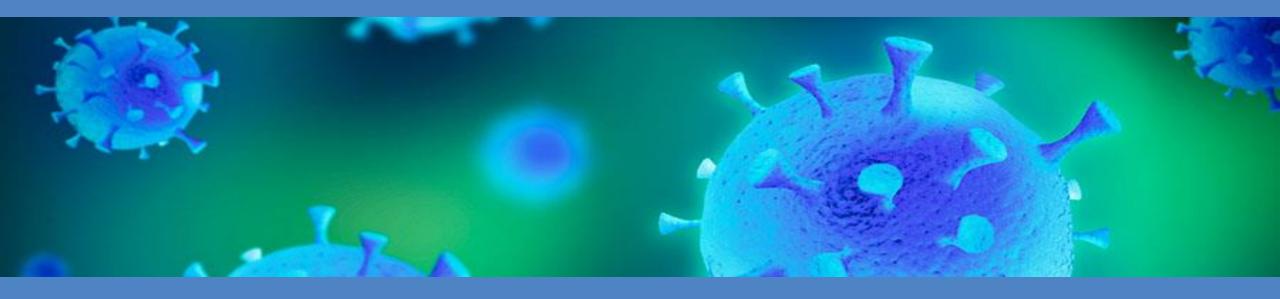
#### VCHIP / CHAMP / VDH COVID-19 UPDATES



Wendy Davis, MD FAAP - Vermont Child Health Improvement Program, UVM
Breena Holmes, MD FAAP – Director of Maternal & Child Health, Vermont Department of Health
April 30, 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.





#### Overview

- Situation update
  - Surveillance
  - Testing
- VDH and Other Updates
- □ Practice Issues:
  - Pediatric COVID-19 "inflammatory syndrome"
  - COVID-19 Testing in Vermont
- Question and Answer

[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 866 Currently Hospitalized Hospitalized Under Investigation Deaths 49 Total Tests 15,652 People Being Monitored 18 People Completed Monitoring 832 Last Updated (M/DD/YYYY): 4/30/2020,

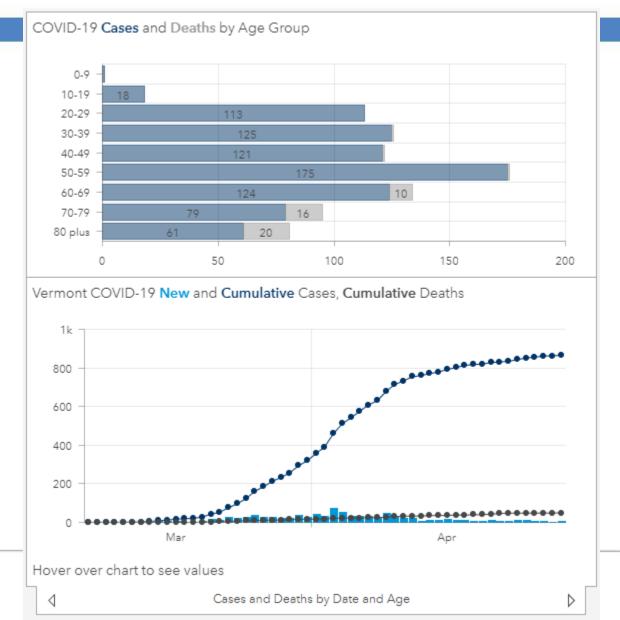
- VDH Public Health Lab: 351 tests
- □ UVMMC: 318 tests
- Rutland Regional Medical Center now doing in-house testing (up to 100/day)
- DHMC planning to increase testing (NH has expanded testing recommendations)
- Gifford planning to increase testing hours (possible new location)
- N. Country Hosp. tested all staff: all neg.
- Hospitalized patients: 3 patients in ICU,1 patient on ventilator



10:34 EDT



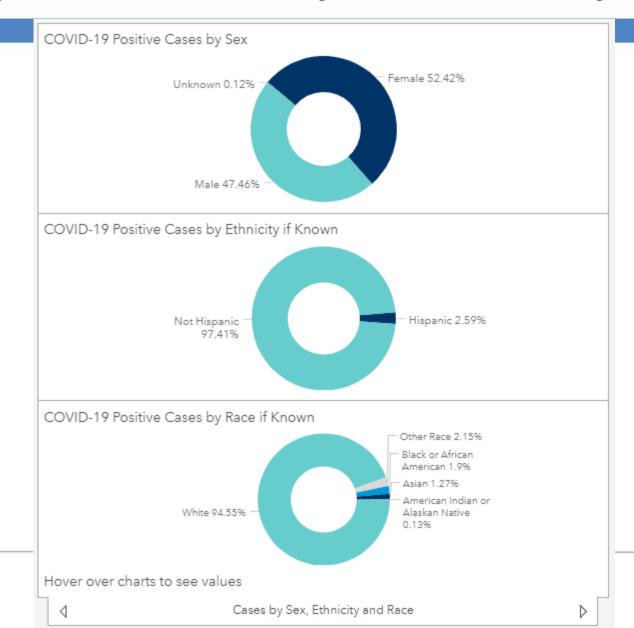
# Situation update (cont'd.)







# Situation update: Cases by sex/ethnicity/race







### Other Updates

- Breaking news: Vermont Principals' Association announces cancellation of Spring 2020 (HS) sports season
  - "No known expectation to return to in-person school for 2019-2020 school year" (first time VT w/o HS baseball season since before WWII)
  - "... 2020 seniors: your sacrifice is unparalleled in VT sports history, and is one that is quite literally saving lives."
  - Same decision: NH (4/16), MA & NY (within the last week)





## Practice Issues

#### Breaking News: Pediatric COVID-19 "inflammatory syndrome"

William Raszka, MD FAAP

#### COVID-19 Testing in Vermont

Benjamin Grebber, LCOM MD Candidate Class of 2021







#### COVID 19 and Severe Inflammation

- Background:
  - Some adults critically ill with COVID 19 have evidence of marked inflammation
  - Very high levels of cytokines, inflammatory markers
  - Presumed cytokine storm
  - Basis for IL-6 inhibitor therapy (e.g. tocilizumab)
- Sunday the UK NHS issued an alert:
  - Small increase in the number of patients who also seem to have multi-system inflammation
- Multiple other <u>European</u> countries also began reporting similar increase in children with features of severe inflammation
  - KD vs. Toxic Shock
  - Abdominal complaints

# COVID 19 and Severe Inflammation (4/30)

- Italy: increase number of cases of KD
  - 20 cases in Bergamo; a "few" tested positive for SARS-CoV2
- France: increased number of KD like illness
- Asia: no increase
- US: anecdotal reports
  - NYC, National Children's, maybe CHOP
  - None in LA or CO
- Summary: 50-100 cases as of yesterday
  - Some PCR or antibody positive but many not
  - No fatalities
  - One cases report
    - Hospital Pediatrics- looked like typical KD, diagnosed with COVID at discharge
  - No explanation

### Practice Issues

Breaking News: Pediatric COVID-19 "inflammatory syndrome"

William Raszka, MD FAAP

## **COVID-19 Testing in Vermont**

Benjamin Grebber, LCOM MD Candidate Class of 2021







# Pediatric HAN 4/21/2020

Priority for testing symptomatic children with mild to moderate disease should be given to children:

- a) of health care providers;
- b) with chronic underlying medical conditions;
- c) in congregate housing; and
- d) with exposure to a patient with COVID-19.

# Commissioner of Health: 4/29/2020

- Ramp up to 1,000 tests per day
- Residents in long-term care
- Correction facilities (and corrections staff)
- Childcare providers
- Individuals quarantined

Wave One	Wave Two	Wave Three
-Mildly symptomatic -Health care personnel	-Pre-procedure pts (outpt) -Home health & hospice	-Pre-procedure (inpatient) -Summer residents
<ul><li>-Long term care facilities</li><li>-DOC staff &amp; Inmates</li></ul>	-First Responders	-Childcare providers

# Current Testing Platforms

Testing Platform	Laboratory	Turn Around Time
MagMax (high throughput) **	VDHL	24 hours from receipt at lab
Qiagen (low throughput, manual ext)	VDHL	24 hours from receipt at lab
Panther	UVMMC	3.5 hours from receipt in lab
UVMMC LDT (Qiagen) **	UVMMC	24 hours from receipt in lab
Cepheid	UVMMC	1 hour from receipt in lab
Broad	External	24 hours from receipt in lab
Mayo	External	24 hours from receipt in lab

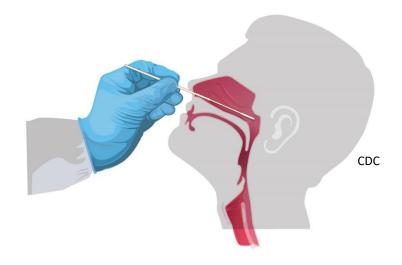
<sup>\*\*</sup> Approved for nasal testing

Currently nasopharyngeal testing only, but...

Approved for nasal swab testing in symptomatic pts

Abbott ID Now Nasal Testing:

Harrington et al. → 75% positive agreement and 99% negative agreement between ID Now Nasal swabs vs NP Standard





#### **COVID-19 Specimen Collection Sites**

#### A Resource for Health Care Professionals

The Department of Health continues to work to expand COVID-19 testing to more Vermonters – including those who have mild to moderate symptoms – to help increase contact tracing efforts and prevent the virus from spreading. The table below lists the COVID-19 specimen collection locations in Vermont and provides instructions for making patient referrals.

County	Collection Facility Name	Instructions to Refer Patient for Specimen Collection
Addison	Porter Hospital	Fax referral to (802) 388-8866 or call (802) 388-8865; Porter providers via Epic
Bennington	Southwestern Vermont Medical Center	Call (802) 440-8844
Caledonia	Northeastern Vermont Regional Hospital	Fax referral to (802) 748-7383 or call (802) 748-7401
Chittenden	University of Vermont Medical Center (Essex Fairgrounds)	Call (802) 847-1170 (UVMHN Fanny Allen)
Essex	Northern Counties Health Centers - Island Pond	Fax referral to (802) 723-4544 or call (802) 723-4300
Franklin	Northwestern Medical Center	Call (802) 527-3670
Grand Isle	Champlain Islands Health Center - South Hero	Call (802) 540-8940
Lamoille	Copley Hospital	Call (802) 847-1170 (UVMHN Fanny Allen)
Orange	Gifford Medical Center	Call (802) 728-7000
Orange	Little Rivers Health Care - Wells River	Call (802) 222-3000 ext. 329
Orleans	North Country Hospital	Fax referral to (802) 334-4163
Rutland	Rutland Regional Medical Center	Fax referral to (802) 747-6200
Washington	Central Vermont Medical Center	Call (802) 371-5310
Windham	Brattleboro Memorial Hospital	Call (802) 257-0341 ext. 8200
Windham	Grace Cottage Hospital	Call (802) 365-4331
Windsor	Springfield Hospital	Call (802) 885-7533
Windsor	VA Hospital - WRJ	Call (802) 295-9363 Currently only testing Veterans
Windsor	Mt. Ascutney Hospital	Call (802) 674-7300

Rev. 04/7/2020

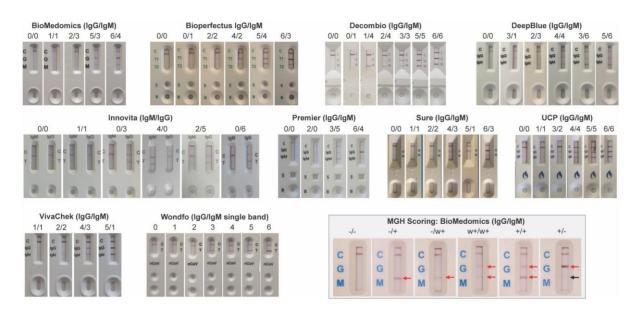
#### Future

#### Serology Work Group and WHO

- Presence of antibody does not confer "immunization passport"
- Does not guarantee safe return to work
- Variable sensitivities/specificities
- Possible sero-prevalance studies in Vermont to establish what percentage of the general population has been infected with SARS-CoV-2

Whitman et al. (4/24/20) Test performance evaluation of SARS-CoV-2 serological assays Studied lateral flow assays (also known as rapid serology tests) and ELISA immunoassays

https://covidtestingproject.org/



Supplementary Figure 1: Representative images of LFA scoring.

# **Upcoming Topics**

- Continue to follow telehealth/phone coverage
- Summer camps/other recreational activities
- OneCare Vermont all-payer model adjustments
- □ UVM MC and HN plans to resume necessary care
- School reentry; adolescent well care; IZ catch-up (flu)
- □ Tomorrow, May 1, 2020: Dr. Tim Lahey, UVMMC ethical considerations
- Continuing developments re: inflammatory syndrome,
   COVID-19 toes





#### 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
  - What do <u>you</u> 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
- Next CHAMP call: Friday, May 1, 12:15-12:45 (same webinar/call information invitation to follow)
- Please tune in to VMS call with Commissioner Levine:

Tuesday, May 5, 12:15-12:45

Phone: 1-802-552-8456

**Conference ID: 993815551** 







and Special Thanks to Wendy Davis for big efforts every day.

Today marks our **25<sup>th</sup>**VCHIP/CHAMP/VDH COVID-19 call!



