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



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### **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 *p* icon or press Enter to send.

(Everyone)	≣∗
	(Everyone)



2



## Overview

#### Celebrating the Winter Solstice

- The days begin to lengthen...
- □ *Reminder:* weekly event schedule
  - VCHIP/CHAMP/VDH calls: Mon/Wed/Fridays; Gov. Media Briefings Tues/Fri; NO VMS call with Comm. Levine this week!
  - **THIS** week (for 2 weeks ONLY): Mon/Wed only (12/21, 23, 28, 30)
- □ Situation, VDH, CDC, vaccine updates
- Practice Issues: Return to Play after COVID-19 Infection in Pediatric Patients: AAP Updated Interim Guidance

### Q & A, Discussion

[Please note: the COVID-19 situation continues to evolve very rapidly – so the

information we're providing today may change quickly]













So the shortest day came, and the year died,

And everywhere down the centuries of the snow-white world

- Came people singing, dancing, to drive the dark away.
- They lighted candles in the winter trees;
- They hung their homes with evergreen;
- They burned beseeching fires all night long

To keep the year alive,

And when the new year's sunshine blazed awake

They shouted, revelling.

VERMON

DEPARTMENT OF HEALTH

Through all the frosty ages you can hear them Echoing behind us – Listen!! All the long echoes sing the same delight, *This shortest day,* 

As promise wakens in the sleeping land:

They carol, fest, give thanks,

And dearly love their friends,

And hope for peace.

And so do we, here, now,

This year and every year.

Welcome Yule!! December 21, 2020

VCHIF

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# What to Expect this Week

- Technology: Wendy and Breena are in charge please bear with us!
- □ We WILL send an email to listserv this evening.
- We will NOT post call recordings and documents until the week of January 4, 2021.
- □ We WILL monitor the CHAMP mailbox.

vchip.champ@med.uvm.edu







# Situation update

Sep

Nov

VT New Cases, Probables, Deaths





#### □ U.S. 17.8 million+ cases; **317,800 deaths**

- https://www.nytimes.com/interactive/2020/us/coronavirusus-cases.html (updated 12/21/20)
- **12/20/20: 179,803 new cases; 1,422 d.; 113,663 hosp.**
- Past week: average 216,070 cases/day (increase of 10% from average 2 weeks ago)
- **1.6 million+ deaths worldwide** (76.9 million+ cases)
- □ VDH Weekly Data Summary(12/18/20)
  - Weekly Spotlight Topic: Percent Positivity by County
- □ Find previous summaries at:
  - <u>https://www.healthvermont.gov/covid-19/current-activity/weekly-data-summary</u>



6

December 21, 2020

# Situation update



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### COVID-19 Cases in VT K-12 Learning Communities (While Infectious)

- COVID-19 Cases in Vermont K-12 Learning Communities While Infectious (dashboard)
  - https://www.healthvermont.gov/sites/default/files/documents/pdf/COVID19-Transmission-Schools.pdf
  - Table updated Tuesday w/data through previous Sunday. As posted 12/15/20: 195 total cases; 34 cases reported in preceding 7 days (up from 20 reported previous week).

December 13, 2020

#### **Cases in Vermont K-12 Learning Communities While Infectious**

Learning Community Schools with less than 25 students are reported in the "Total for all Suppressed Schools" row at the end of the table.	Cases Reported In the Past 7 Days	Total Cases
TOTAL FOR ALL SCHOOLS	34	195

- □ VT College & University dashboards:
  - Now on break from on-campus learning: <u>https://dfr.vermont.gov/about-us/covid-19/school-reopening</u>



December 21, 2020



**Cases in Vermont K-12 Learning Communities While Infectious** 

<b>Learning Community</b> Schools with less than 25 students are reported in the "Total for all Suppressed Schools" row at the end of the table.	Cases Reported in the Past 7 Days	Total Cases
TOTAL FOR ALL SCHOOLS	20	158

Schools continue to alter post-holiday schedules – new examples emerging:

- Burlington School District
  - "Allow staff to regain their footing"

VTDigger: "After Christmas break, a patchwork of school reopening plans"

https://vtdigger.org/2020/12/20/after-christmas-break-a-patchwork-ofschool-reopening-plans/

Others: Orchard Valley Waldorf School (East Montpelier); Rutland;
White River Valley Supervisory Union; St Johnsbury

What are YOU hearing?



December 21, 2020



9

# **COVID-19 Vaccine Updates**

- FDA (12/18/20): issued EUA for (2<sup>nd</sup>) Moderna COVID-19 vaccine (2<sup>nd</sup> vaccine); allows distribution in U.S. for use in individuals 18 years of age and older.
- CDC COCA Call (12/18/20): What Clinicians Need to Know About the Pfizer-BioNTech and Moderna COVID-19 Vaccines
  - Overview of Pfizer-BioNTech & Moderna vaccines: vaccine characteristics & administration, vaccinating special populations, contraindications & Q & A.
- VDH HAN (12/18/20): Initial Pfizer-BioNTech COVID-19 Vaccine Recommendations
- CDC MMWR (early release 12/20/20): The ACIP Interim Recommendation for Use of Moderna COVID-19 Vaccine — United States, December 2020







# **COVID-19 Vaccine Updates**

#### **ACIP Latest Recommendations:**

- □ Based on Itd. supply & higher death rate among older population
- "Providing a framework for governors/health officials supported by evidence & informed by limited supply" (Chair Dr. Jose Romero)
- Phase 1b: people >74 yo, "frontline" essential workers "whose jobs put them at substantially higher risk of exposure" to virus.
- Phase 1c: 65-74 yo (32m.), 16-64 yo w/high-risk conditions (>110m.), & all other essential workers (restaurants, construction, law, transportation, other public transit, water treatment)
- □ Expect review/possible approval by CDC Director Redfield today.





11



# Vermont Vaccine Update

- VDH guidelines (issued 12/8) call for community healthcare workers (cHCW) to start the process of vaccination in week 3; very few doses currently allocated for week 3. UVM HN is seeking clarification and prioritization and has yet to receive information beyond week 3.
- Goal: cHCW will receive a first dose by the end of January depending on vaccine supply received; likely UVM HN will reach out to Chittenden Co. offices and ask them to prioritize their staff and we will schedule them to receive a vaccine at the Fairgrounds.
- Why some non-public facing staff receiving vaccine now? Staggering critical staff & timing nursing vaccines with people's days off so spreading vaccination of patient facing clinicians over a longer period & going "deeper in the employee prioritization matrix."
- Unfortunately, the broader "Medical Staff" definition was not accounted for in the vaccine attribution count to UVMMC ie: employed vs non-employed, vs active privileges or not trying to address the issue of community clinicians who regularly provide care in the hospital to high risk patients - while not being "employees". That is a problem we are trying to address.





# Vermont Vaccine Update (cont'd.)

- VDH has allocated community clinician vaccines through the Community Providers' process (per Dr. Isabelle Desjardins, CMO UVM MC, 12/18/20)
- This is true for all of you who are located in the Burlington hospital service area, regardless of the type of privileges you hold at the hospital. When we receive guidance from the State, we will reach out to you to schedule vaccinations at the Champlain Valley Expo.
- If you practice at the hospital in particularly high risk areas, let Isabelle Desjardins know; in the meantime, please begin prioritizing your own practice.
- We will be looking for employee name (including middle name), date of birth, address, and phone number when scheduling vaccinations.
- There will not be enough vaccine for every employee at every clinic or practice, so it is important to have a prioritization list ready, when we reach out to schedule vaccination appointments.



- □ This American Life: Boulder vs. Hill, Part 2
- MERS coronavirus vaccine researchers (including at DHMC)
- Structural biology (how to fight a virus) how to manufacture copies of the spike
- https://www.thisamericanlife.org/727/boulder-v-hill/act-two-7





# **VDH Updates: Testing**

#### **Testing capacity:**

- MANY sites (most CIC on-demand & some pop-ups) posted 12/21/20 1/17/21
  - Same-day testing slots now posted all day.
- NOTE: VDH posted testing sites are intended for asymptomatic pts.; prefer symptomatic pts. to seek connection to PCP/medical home. provider. However: all sites are prepared to take people who arrive and are experiencing symptoms.
- □ Majority = **on-demand CIC sites**, including:
- Bennington, Berlin, Brattleboro Mem. Hosp, Burlington, Fairlee, Hardwick, Island Pond, Middlebury, Morrisville, N. Country Hosp, Northfield, Springfield, RRMC, St. J, Stratton, Waitsfield, Waterbury, Williamstown, Williston, Winooski

Stories we are following:

- Testing turnaround times please continue to send feedback to breena.holmes@vermont.gov or CHAMP mailbox
  - We are seeing a variety of issues in your questions/feedback: e.g., variable across different laboratories; courier issues, etc.

□ Home COVID-19 tests





# VCHIP-CHAMP Email Update

- LCOM Information Systems (COMIS) removed the (automatic) block due to large percentage of messages marked as spam by many recipients originating from our VCHIP-CHAMP mailbox
- Created a UVM LISTSERV & minimized spam triggers in email content to hopefully resolve the issue. Replies to the LISTSERV will still go to vchip.champ@med.uvm.edu.
- If you do NOT receive tonight's email from the listserv, follow these steps:
  - 1) Check your junk/spam folders
  - 2) Reach out to your IT department or email server support and ask for emails from VCHIPCHAMPVDHCOVID19UPDATES@list.uvm.edu to be white listed.
  - 3) Email VCHIP.CHAMP@med.uvm.edu to let us know if steps 1&2 do not resolve the issue.





# **Practice Issues**

## Return to Play after COVID-19 Infection in Pediatric Patients

AAP Updated Interim Guidance

Jonathan Flyer, MD – Pediatric Cardiology

University of Vermont Children's Hospital







December 21, 2020

### Return to Play after COVID-19 Infection in Pediatric Patients

- <u>Significance</u>: <u>Myocarditis evaluation</u>
  - Cause of sudden cardiac death during exercise in young athletes
- Athletic participation: 35-45 million youth (6-18yrs)
- Disclaimer:
  - Long-term data not yet known
  - There are "gray" areas
    - Moderate symptoms
    - Age of child
    - Intensity of sport

#### Return to Play after COVID-19 Infection in Pediatric Patients

Figure 1



### Return to Play after COVID-19 Infection in Pediatric Patients

Children with COVID-19...

- May be less symptomatic/milder cases
- Much variation in youth sports & levels of high school competition
- Pediatric population is less reliant on standard adult cardiac testing (EKG/ECHO/Stress Test/Troponin)



# AAP: Wait... what about *clearance* now?

- Limited data/recommendations (expert opinion)
- Asympomatic/ Mild: + COVID-19 test
  - Primary care: 14 pt pre-participation screen
  - NEW ONSET: Chest pain, Shortness of breath, palpitations, syncope
  - Physical exam
  - IF NORMAL: Return to play AFTER 10days (+test) and 24hr asymptomatic
  - IF ABNORMAL: EKG + CARDIOLOGY referral
- This is similar to the ACC recommendations

### Return to Play after COVID-19 Infection in Pediatric Patients

**3 IMPORTANT QUESTIONS** 

- How recent was the infection?
- How serious was it?
- What is the physical activity/sport being considered?

- \* Depending on the patient and situation, it may also be reasonable to follow the recent adult recommendations for return-to-play (+echo/troponin)
- + BJ Maron et al J Am Coll 2015



# Wait... what about *moderate* now?

#### • AAP

- Moderate symptoms: AAP recommends cardiology consult
- Minimum of 10days after + test result
- Cardiologist to consider additional testing (echo, holter, troponin)
- Gradual return to activity
  - 10days after + test result
  - 10days asymptomatic (off antipyretics)

• This is only <u>slightly</u> different from the ACC recommendation

# Graduated return-to-play

- Physician clearance
- Asymptomatic (daily activities)
- Suggested progression...

The following progression was adapted from Elliott N, et al, infographic, British Journal of Sports Medicine, 2020:

**Stage 1: Day 1 and Day 2 - (2 Days Minimum) - 15 minutes or less:** Light activity (walking, jogging, stationary bike), intensity no greater than 70% of maximum heart rate. NO resistance training.

**Stage 2: Day 3 - (1 Day Minimum) - 30 minutes or less:** Add simple movement activities (eg. running drills) - intensity no greater than 80% of maximum heart rate.

**Stage 3: Day 4 - (1 Day Minimum) - 45 minutes or less-** Progress to more complex training - intensity no greater than 80% maximum heart rate. May add light resistance training.

**Stage 4: Day 5 and Day 6 - (2 Days Minimum) - 60 minutes -**Normal training activity - intensity no greater than 80% maximum heart rate.

Stage 5: Day 7 - Return to full activity/participation (ie, - Contests/competitions).

### Return to Play after COVID-19 Infection in Pediatric Patients

#### **Quick Takes**

- Returning to sports participation after a COVID infection will be a significant question posed to pediatric providers in the coming months
- The approach to sports participation clearance in pediatric patients should differ from the approach in adult patients
- Most pediatric patients will be able to be easily cleared for participation without extensive cardiac testing, but pediatric providers should ensure patients have fully recovered and have no evidence of myocardial injury

- Following infection, children should be asymptomatic for 10-14 days before clearance.
  - Refrain from sports during illness / recovery
  - If cardiac testing during the acute infection (mild cases) was not required, then it is unlikely necessary for clearance.
  - Moderate is a "gray" area feel free to call us
    - We've already helped handle this question in a number of ways...

Myocarditis concern(s) ?  $\rightarrow$  REFER !

Reference

Dean PN, Jackson LB, Paridon SM. Returning to play after coronavirus infection: pediatric cardiologists' perspective. ACC Expert Analysis

https://www.acc.org/latest-incardiology/articles/2020/07/13/13/37/returni ng-to-play-after-coronavirus-infection

AAP

https://services.aap.org/en/pages/2019-novelcoronavirus-covid-19-infections/clinicalguidance/covid-19-interim-guidance-returnto-sports/



#### **VMS Panel** (presentations, Q & A)

DEPARTMENT OF HEALTH

#### **COVID-19 Vaccine: Safety, Distribution & Considerations for Patients**

- COVID-19 vaccines Dr. Beth Kirkpatrick
- **Ethics of vaccine prioritization & distribution planning Dr. Tim Lahey**
- Talking to patients re: vaccine considerations in pregnant and lactating women with Dr. William Raszka
- **Tuesday, Dec. 22, 2020 12:00 PM ET** register at:

https://us02web.zoom.us/webinar/register/WN\_7VyHgGqiRkuDdbtCbxl8cQ

DHMC Emergency Medicine Grand Rounds – Wed., Jan. 20, 2021 (12-1)

Critical Child Abuse Literature: Seminal Articles on Sentinel Injuries

Amy Doolan Roy, MD, Med. Director Ped ED, Elliot Hosp. (LCOM grad!) VERMONT



# **Questions/Discussion**

- □ Q & A Goal: monitor/respond in real time; record/disseminate/revisit later as needed.
- □ For additional questions, please e-mail: <u>vchip.champ@med.uvm.edu</u>
  - What do <u>you</u> need how can we be helpful (specific guidance)?
- VCHIP CHAMP VDH COVID-19 website: <u>https://www.med.uvm.edu/vchip/projects/vchip\_champ\_vdh\_covid-19\_updates</u>
- □ Next CHAMP call: Wednesday, December 23, 12:15-12:45 (current schedule: M-W-F):
- Weeks of 12/21 and 12/28 ONLY: calls will be Monday and Wednesday ONLY
- □ Please tune in to **next** VMS call with VDH Commissioner Levine:

*<u>Thursday, January 7, 2021</u> - 12:30-1:00 p.m. – Zoom platform & call information:* 

□ Join *Zoom* Meeting:

https://us02web.zoom.us/j/86726253105?pwd=VkVuNTJ1ZFQ2R3diSVdqdlJ2ZG4yQT09

- Meeting ID: 867 2625 3105 / Password: 540684
- One tap mobile +1 646 876 9923,,86726253105#,,,,0#,,540684#



