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CALTCM COVID-19 Webinar Series Ventilation, Vaccines, and Variants







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Webinar Faculty

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Director of Public Policy

AMDA-The Society for Post-Acute and Long-Term Care Medicine (AMDA)

November 7, 2022



Webinar Faculty

Raymond Chinn, MD, FIDSA, FSHEA

Epidemiology & Immunization Services Branch County of San Diego

Health & Human Services Agency

CALFCM

November 7, 2022



Webinar Moderator

Jay Luxenberg, MD Retired Geriatrician CALTCM, Wave Editor-in-Chief San Francisco, CA

CAL'ECM Literate Mandation of Long Version Case Mandato

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Webinar Faculty

Kyle Peerless

Occupational Health Branch California Department of Public Health (CDPH)

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Webinar Faculty

Elon Ullman Occupational Health Branch California Department of Public Health (CDPH)

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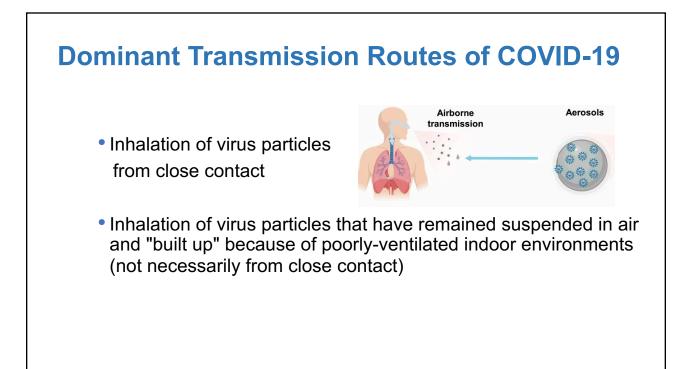
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CALTCM COVID-19 Webinar Series Ventilation, Vaccines, and Variants

Ventilation Strategies to Control COVID-19 Transmission in Long Term Care Facilities

Kyle Peerless and Elon Ullman CDPH Occupational Health Branch November 7, 2022 CALTCM COVID-19 Webinar





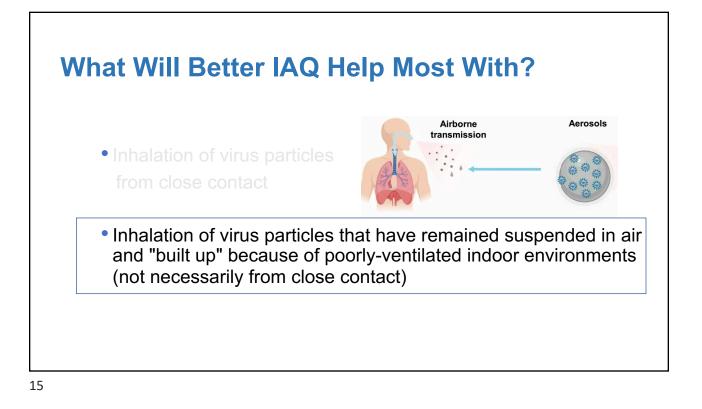
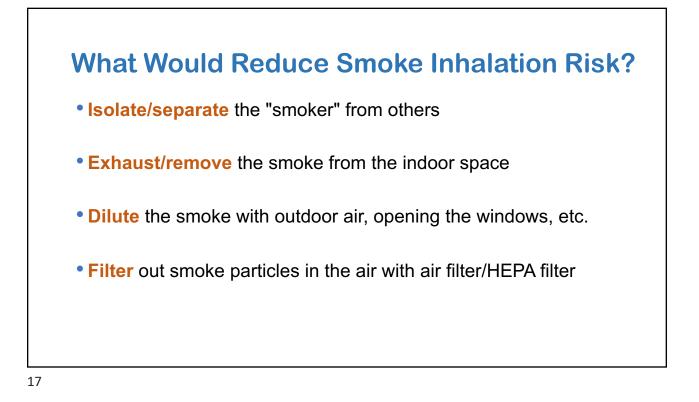
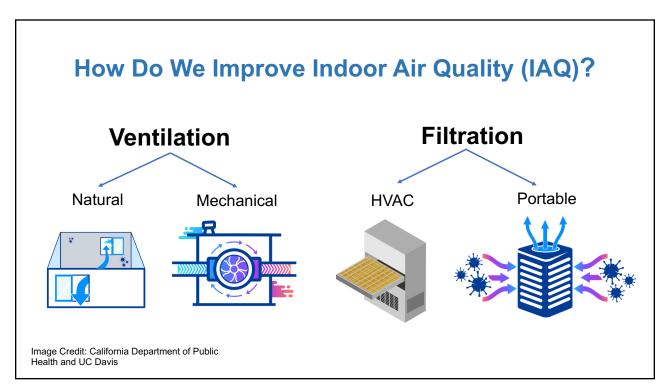
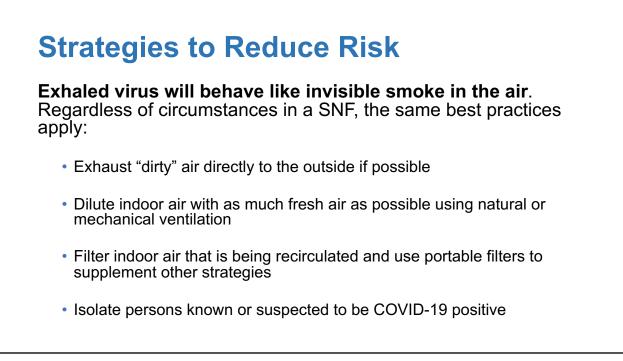




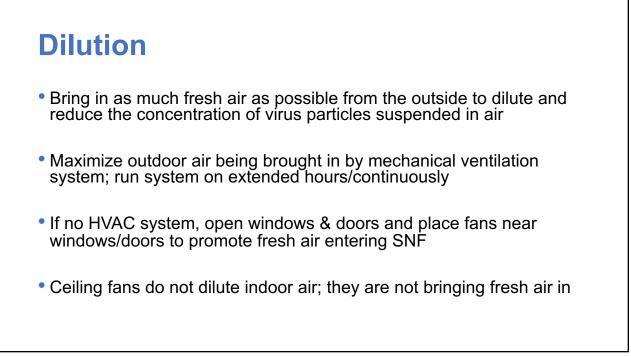
Image Credit: Wikimedia Commons

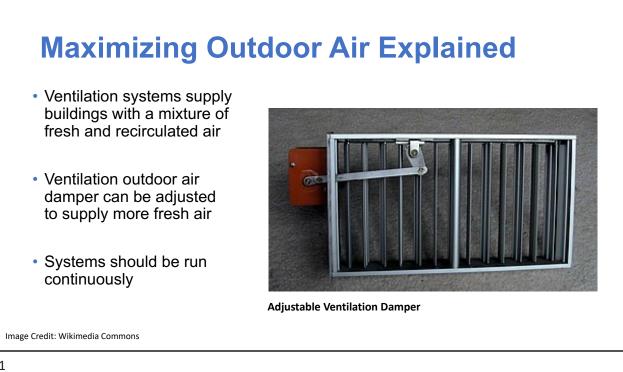




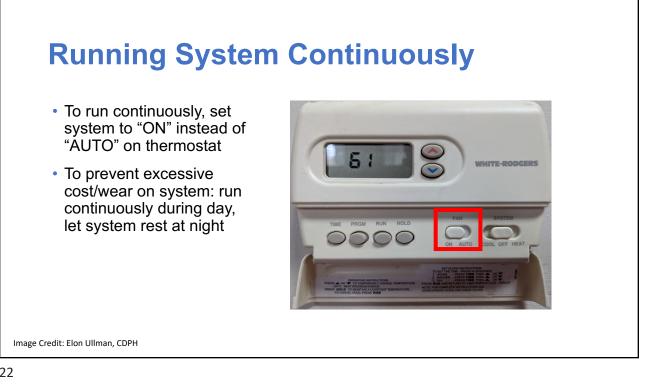


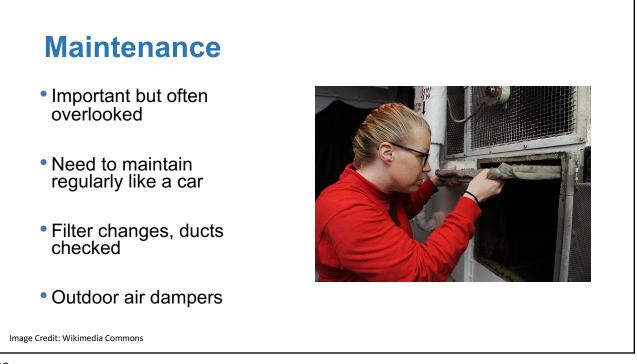




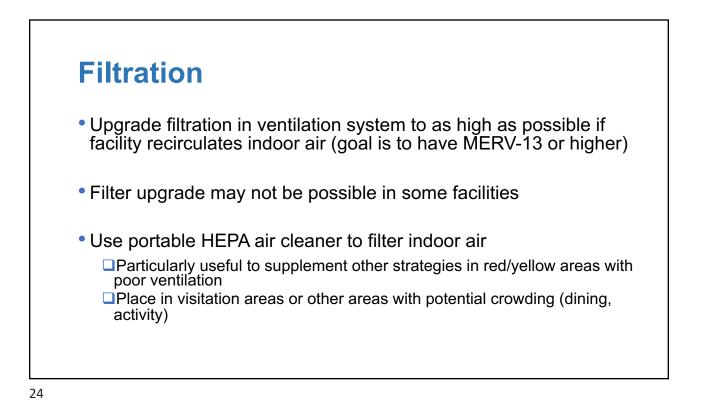


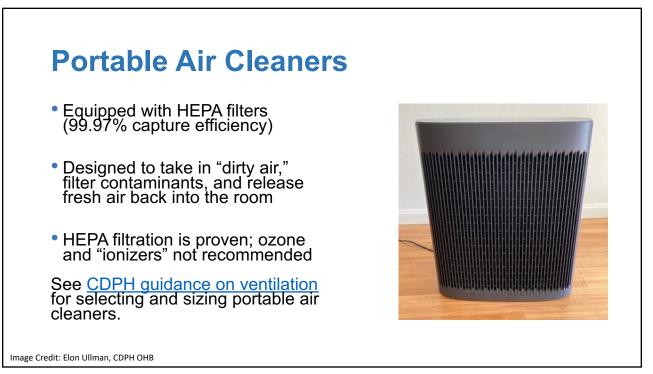


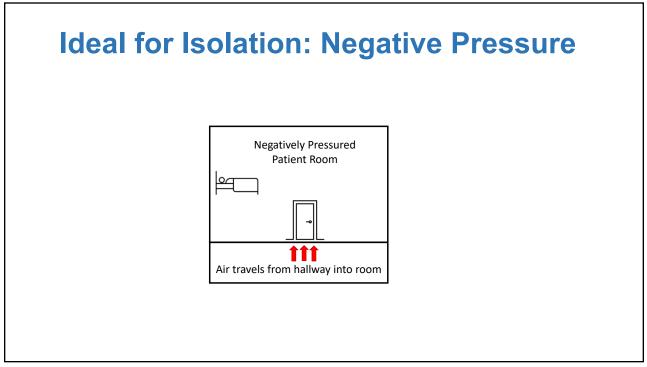


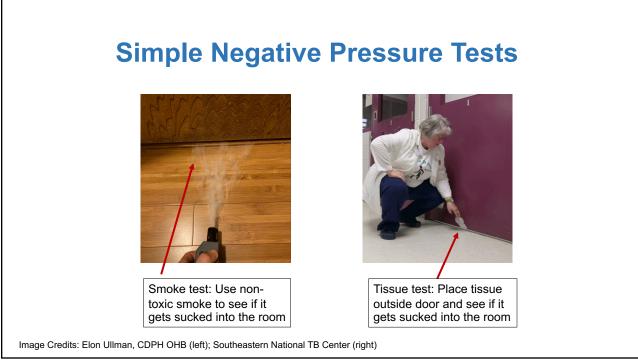




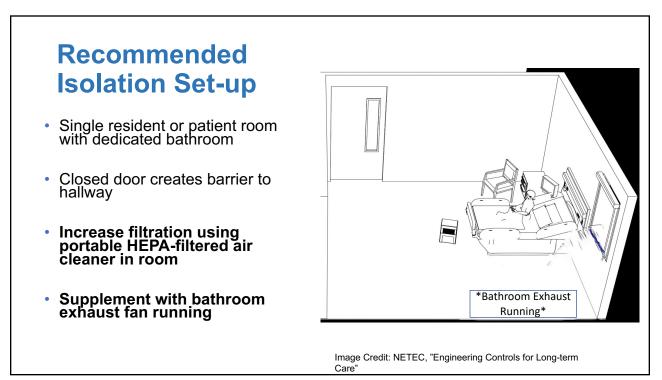












A Steps You Can Take to Improve Ventilation at Your Facility Right Now *Run HVAC system continuously (instead of temp. setpoint)* *Increase outdoor air & check all outside dampers* *Prioritize Portable Air Cleaners in high-risk areas (red zone, dining, break rooms)* *Upgrade to MERV 13 filters*

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Free Ventilation Assessments with CDPH

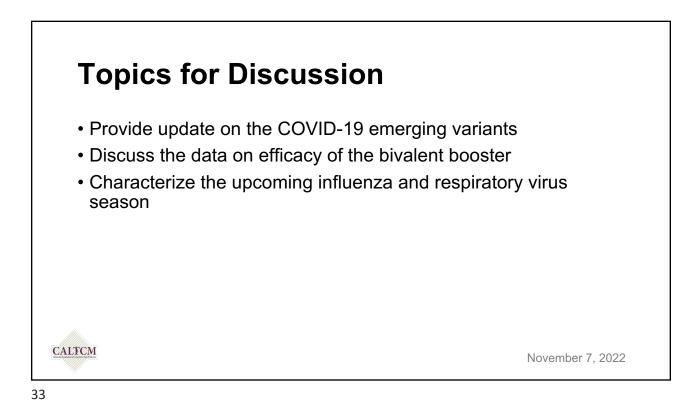
CDPH OHB is offering free ventilation assessments for interested facilities in California

Visits are non-regulatory, and recommendations are non-binding (you are not penalized for not implementing recommendations)

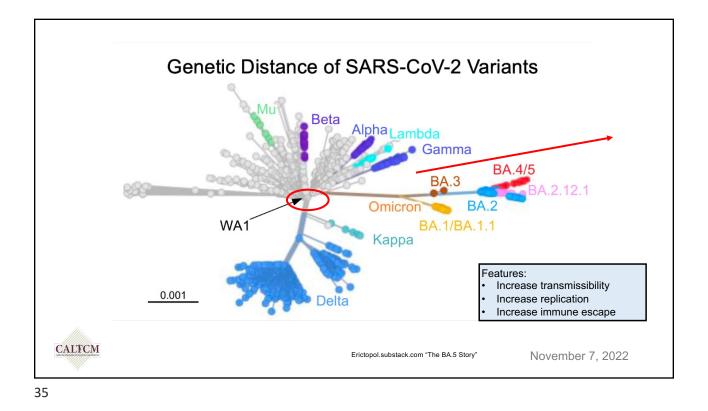
Contact kyle.peerless@cdph.ca.gov

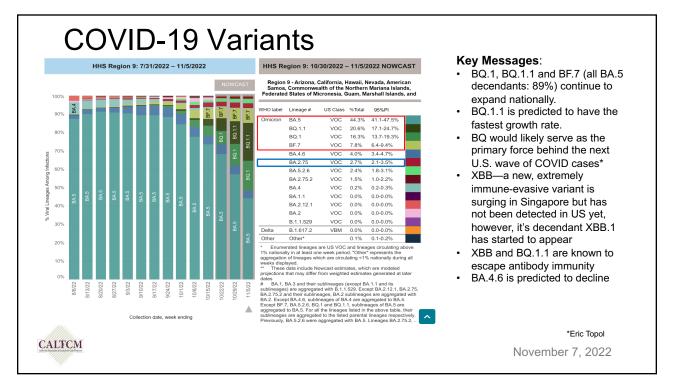






	Daily Update for the U	Inited States		
	Cases New Cases (Weekly Total) 273,110	Deaths New Deaths (Weekly Total) 2,504	Hospitalizations New Admissions (Daily Avg) 3,283	Vaccinations % 5+ with Updated Booster Dose 8.4%
	Case Trends	Death Trends	Admission Trends	People Age 5+
	Sep 2022 Nov 2022	Sep 2022 Nov 2022	Sep 2022 Nov 2022	
	Total Cases 97,604,763	Total Deaths 1,068,667	Current Hospitalizations 21,335	Total Updated Booster Doses (People 5+) 26,290,124
1001 7001 1001 1001 1001 1001 1001 1001	Weekly Trends in Number of COVID-19 Cases in		Weekly Trends in Num	Number of Deaths
300k	0 M/2.20 Junit.21 M/7.21	be fit 31 Jul 2 22 No.2 22	8	



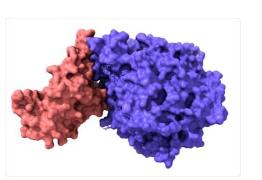


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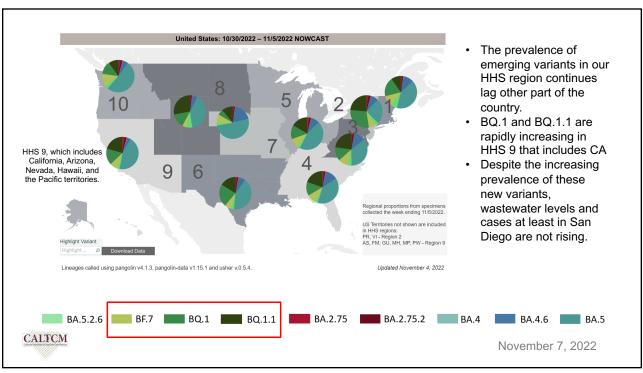
Convergent Evolution Defined....

- Convergent variants are multiple independent lineages that are developing the same or similar mutations
- Multiple parent lineages that are accumulating similar mutations in the receptor binding domain
- A receptor-binding domain (RBD) is a short immunogenic fragment from a virus that binds to a specific endogenous receptor sequence to gain entry into host cells.
- Strong selective pressure (host immunity) for these mutations to accumulate as a viral adaptive strategy

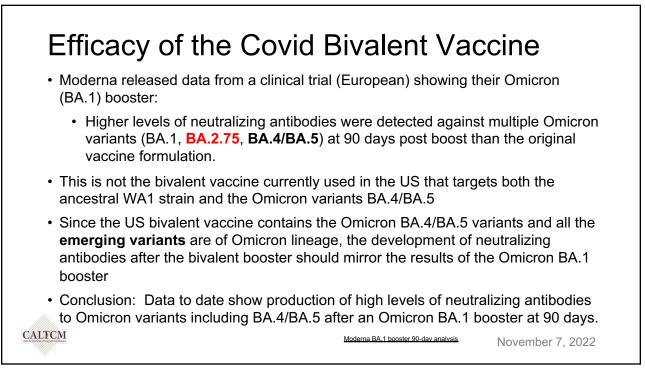


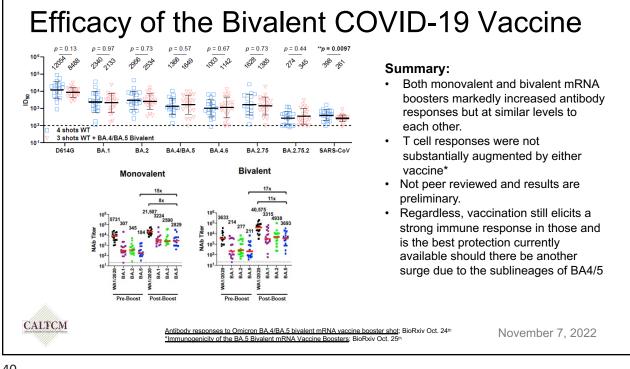
Model of structure of novel coronavirus spike receptor-binding domain (pink) complexed with its receptor ACE2 (blue). Image Credit: Volodymyr Dvornyk/Shutterstock.com

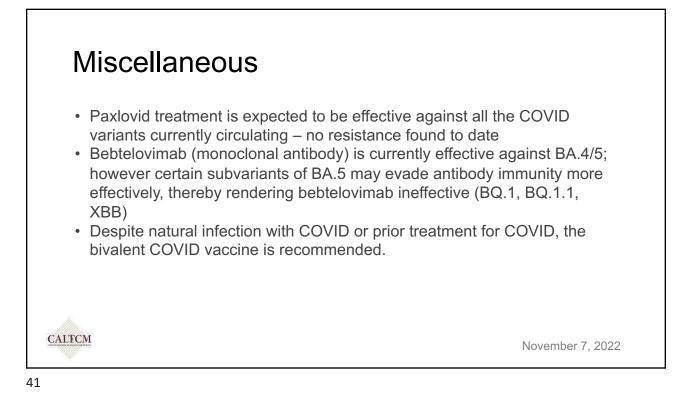
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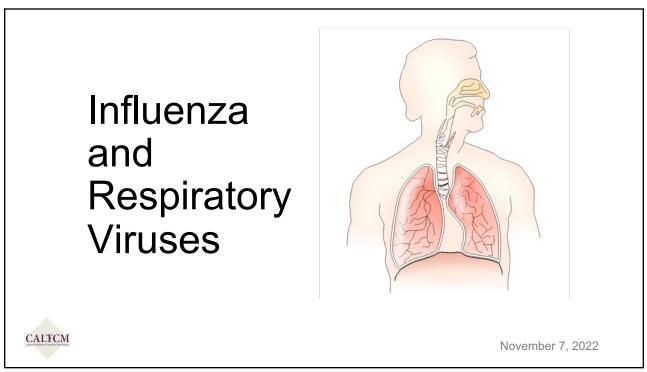


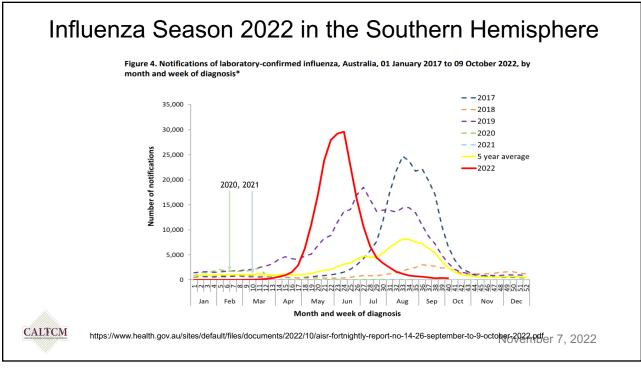
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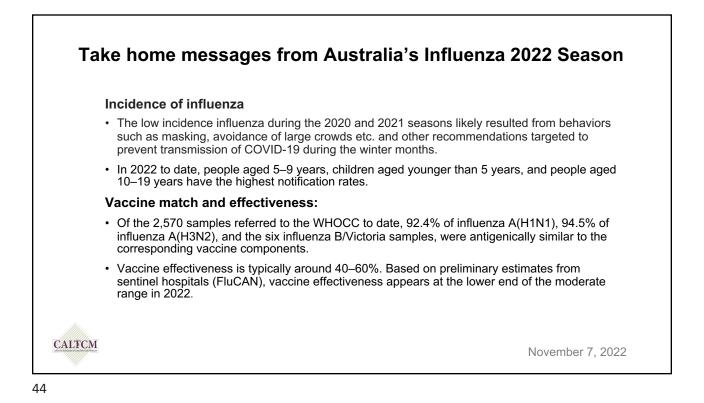


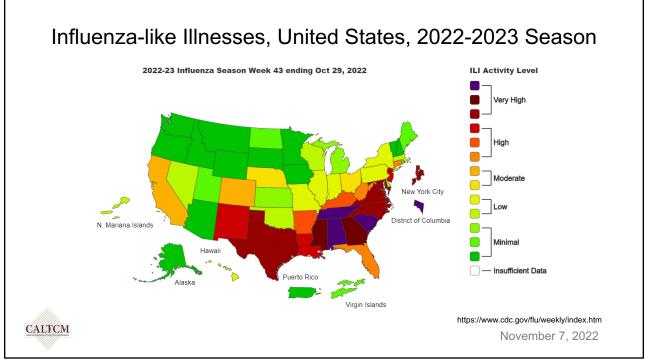


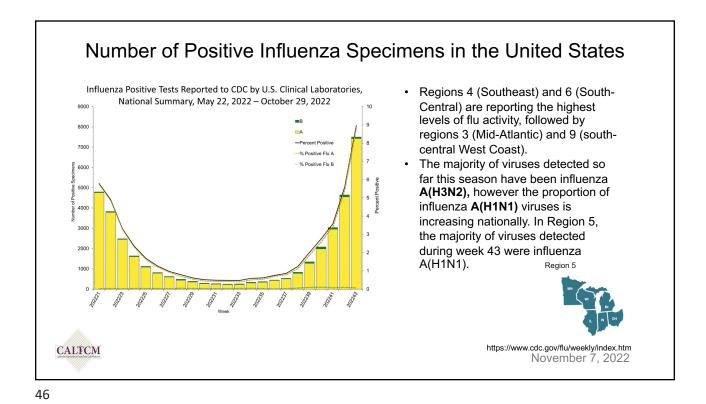


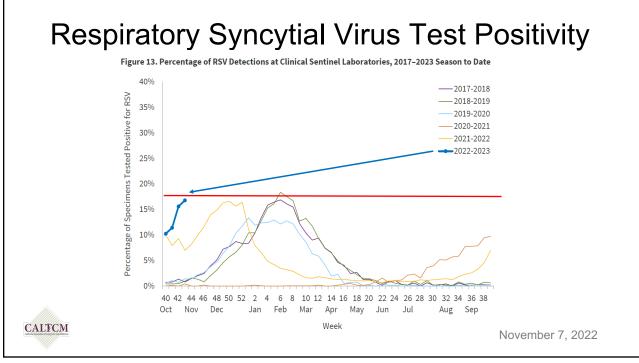


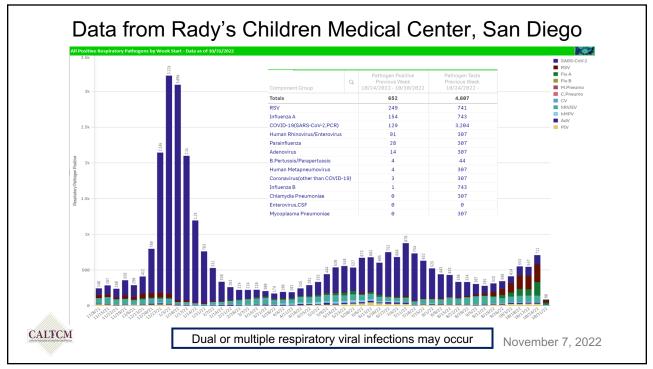


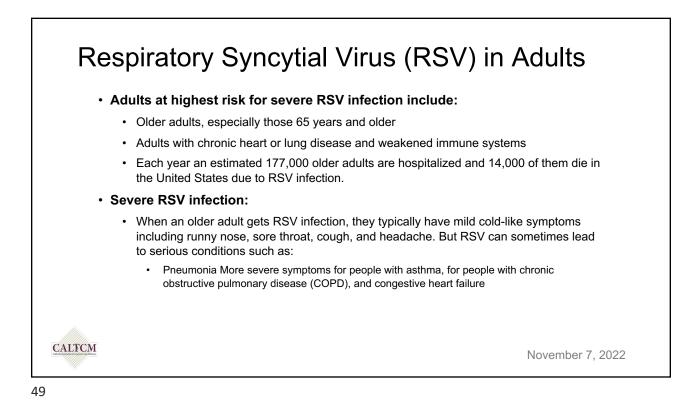


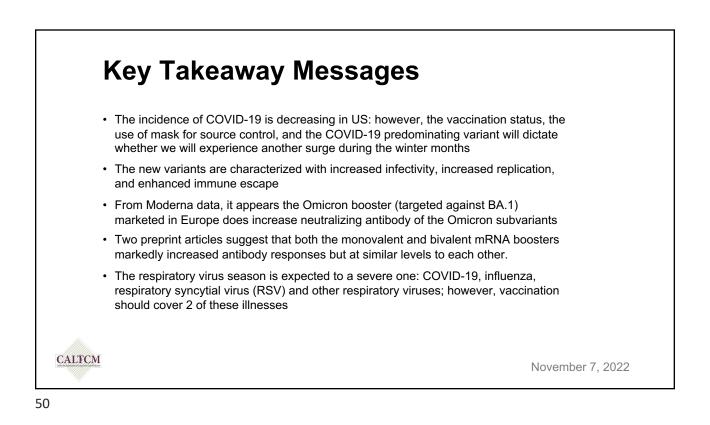










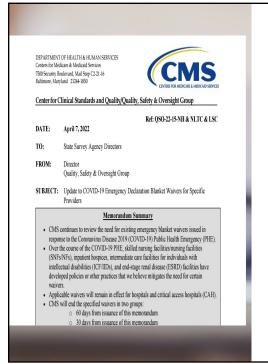




Public Health Emergency (PHE) October 13, 2022 – Biden administration officially extended the PHE another 90 days.

Government will provide at least 60 days notice before PHE ends.

Some roll backs in spring 2022
Physician and APP services



PHE Roll Backs

1) Physicians must personally see and evaluate all skilled nursing residents for an initial comprehensive visit within 30 days of admission.

This visit must be completed onsite and may not be completed by telemedicine. An APP may see a resident prior to the physician, but the physician must still complete a comprehensive initial visit within 14 days.

2) Physicians must personally sign each resident's admission orders per state regulations.

An APP can review medications and make necessary changes, but the physician must still sign the admission order set in the timeline defined by the state.

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PHE Roll Backs

3) All required regulatory visits for <u>skilled</u> residents must alternate between a physician and an APP.

APP can no longer perform all visits for skilled residents.

4) Required regulatory visits may not be performed by telemedicine.

All required regulatory visits must now be completed in person at the facility. Until the PHE ends (currently set for 7/15/22), any non-regulatory visits (e.g. urgent visits) may be completed by telemedicine. After the PHE ends, telemedicine visits for urgent issues will be limited to once every 14 days.

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