



## MINUTES

### **SOUTHERN NEVADA HEALTH DISTRICT FACILITIES ADVISORY BOARD MEETING February 4, 2025, 2:00 P.M.**

#### **MEMBERS PRESENT**

**Chair** Alexis Mussi, *CEO, (Southern Hills) HCA*  
Leo Gallofin, *Director, Rawson-Neal*  
Pat Kelly, *CEO, Nevada Hospital Association*  
Sam Kaufman, *CEO, (Henderson) UHS VHS*  
Robert Freymuller, *CEO, (Summerlin) UHS VHS*  
Col. David Abbott, *CEO, Nellis AFB Hospital*

**Vice-Chair** Todd Sklamberg, *CEO, (Sunrise) HCA*  
Vince Variale, *CEO, North Vista*  
Mason Van Houweling, *CEO, UMC*  
Claude Wise, *CEO, (Valley) UHS VHS*  
Michael Kiefer, *CEO, VA Southern Nevada*

#### **MEMBERS ABSENT**

Hiral Patel, *CEO, (Mountainview) HCA*  
Geraldine Ramos, *CEO, Desert Winds Hospital*  
Thomas Maher, *CEO, Boulder City Hospital*  
Collin McLaughlin, *CEO, Valley Hospital*  
Jon Van Boening, *CEO, (Dominican) Dignity Health*

Craig McCoy, *CEO, (Centennial Hills) UHS VHS*  
Purcell Dye *CEO, Spring Mountain Treatment Center*  
Sajit Pullarkat, *CEO, (Centennial Hills) UHS VHS*  
Thomas Burns, *CEO, (Rose de Lima) Dignity Health*  
Christopher Loftus, *CEO, (Desert Springs) UHS VHS*

#### **SNHD STAFF PRESENT**

Cassius Lockett, *Deputy District Health Officer*  
Kim Saner, *Deputy District Health Officer*  
Edward Wynder, *Associate General Counsel*  
Anil Mangla, *ODS Director*  
Jeff Quinn, *OPHP Manager*  
Maria Azzarelli, *OCDPHP Manager*  
Gerard Custodio, *Facilities-Maintenance Worker*

Andria Cordovez Mulet, *Executive Assistant*  
Christopher Saxton, *EH Director*  
Emily Anelli, *Sr. Administrative Specialist*  
Tawana Bellamy, *Sr. Administrative Specialist*  
Joseph Yumul, *IT Systems Administrator II*  
Jacques Graham, *Administrative Specialist*

#### **GUESTS**

Dr. Edwin Oh, *Presenter*

**I. CALL TO ORDER/ROLL CALL**

Chair Mussi called the Southern Nevada Health District Facilities Advisory Board to order at 2:00 p.m. Jacques Graham, Community Health Administrative Specialist conducted roll call.

**II. FIRST PUBLIC COMMENT**

Public comment is a period devoted to comments by the general public on items appearing on the agenda. All comments are limited to five (5) minutes.

Chair Mussi asked if anyone wished to address the Board pertaining to items appearing on the agenda. Hearing no one, the public comment portion of the meeting was closed.

**III. ADOPTION OF THE FEBRUARY 4, 2025 AGENDA *(for possible action)***

A motion was made by member Van Houweling, seconded by Vice-Chair Sklamberg and carried unanimously to approve the February 4, 2025 Agenda, as presented.

**IV. CONSENT AGENDA**

Items for action to be considered by the Southern Nevada Health District Facilities Advisory Board which may be enacted by one motion. Any item may be discussed separately per board member request before action. Any exceptions to the Consent Agenda must be stated prior to approval.

- 1. APPROVE MINUTES/FACILITIES ADVISORY BOARD MEETING: May 2, 2023 *(for possible action)***
- 2. APPROVE MINUTES/FACILITIES ADVISORY BOARD MEETING: January 31, 2024 *(for possible action)***
- 3. APPROVE MINUTES/FACILITIES ADVISORY BOARD MEETING: May 16, 2024 *(for possible action)***

A motion was made by member Freymueller, seconded by member Van Houweling and carried unanimously to approve the February 4, 2025, Consent Agenda, as presented.

**V. REPORT/DISCUSSION/POSSIBLE ACTION**

The Facilities Advisory Board may take any necessary action for any item under this section. Members of the public are allowed to speak on action items after the Board's discussion and prior to their vote. Once the action item is closed, no additional public comment will be accepted.

- 1. Discuss changing frequency of Facilities Advisory Board meetings; direct staff accordingly or take other action as deemed necessary *(for possible action)***

Upon the conclusion of the discussion, no action was taken and no motion necessary. Meetings will remain quarterly.

- 2. Receive and Discuss presentation regarding Wastewater Surveillance – Edwin Oh, Ph.D. Professor for Department of Internal Medicine-Kirk Kerkorian School of Medicine at UNLV, Nevada Institute of Personalized Medicine-College of Sciences, Interdisciplinary Program in Neuroscience, Department of Brain Health; direct staff accordingly or take other action as deemed necessary *(for possible action)***

Dr. Edwin Oh gave a Wastewater Surveillance presentation. He explained how pathogens are released into wastewater and how the study of the wastewater would help to understand types of health challenges within Southern Nevada. Dr. Oh highlighted that surrounding areas have treatment plants where samples can be collected. Dr. Oh presented a map outlining how facilities can isolate samples to identify specific communities. He explained how wastewater

intelligence prompted specific areas that needed specific vaccinations. Dr. Oh gave analysis on results from treatment plants in comparison to hospitals in conjunction with early warning detection. Dr. Lockett outlined the offer for the partnership process and benefits to hospitals/medical facilities by allowing access to manholes on hospital/medical facility properties. The proposal focuses on collecting data from wastewater surveillance. Then efforts could be made toward vaccinations toward targeted areas within the community. It was proposed that information would be securely stored on a dashboard so that hospitals/medical facilities would have access to review.

**VI. FACILITIES ADVISORY BOARD REPORT**

Chair Mussi asked if FAB members had anything to report. Seeing no items brought forward, the Chair closed the Facilities Advisory Board Report portion.

**VII. COMMUNITY HEALTH DIRECTOR & STAFF REPORTS (Information Only)**

- Director of Community Health Comments

Dr. Lockett highlighted the Behavioral Health Clinic opening January 14, 2025. It was highlighted that the SNHD clients for Decatur & Fremont locations are able to receive services from this Behavioral Health Clinic. Dr. Lockett did mention that SNHD was monitoring the DEI orders that affect funding.

**VIII. SECOND PUBLIC COMMENT**

Public comment is a period devoted to comments by the general public on items appearing on the agenda. All comments are limited to five (5) minutes.

Chair Mussi asked if anyone wished to address the Board pertaining to items appearing on the agenda. Hearing no one, the public comment portion of the meeting was closed.

**IX. ADJOURNMENT**

Chair Mussi adjourned the meeting at 2:43 p.m.

# Wastewater Intelligence in Southern Nevada



Cassius Lockett  
SNHD



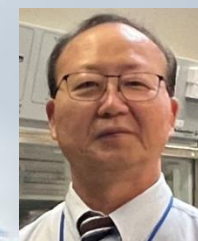
Anil Mangla  
SNHD



Kimberly Franich  
SNHD



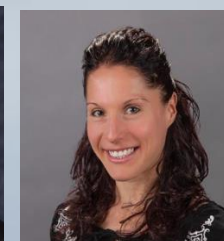
Lei Zhang  
SNHD



Horng-Yuan Kan  
SNHD



Dan Gerrity  
SNWA



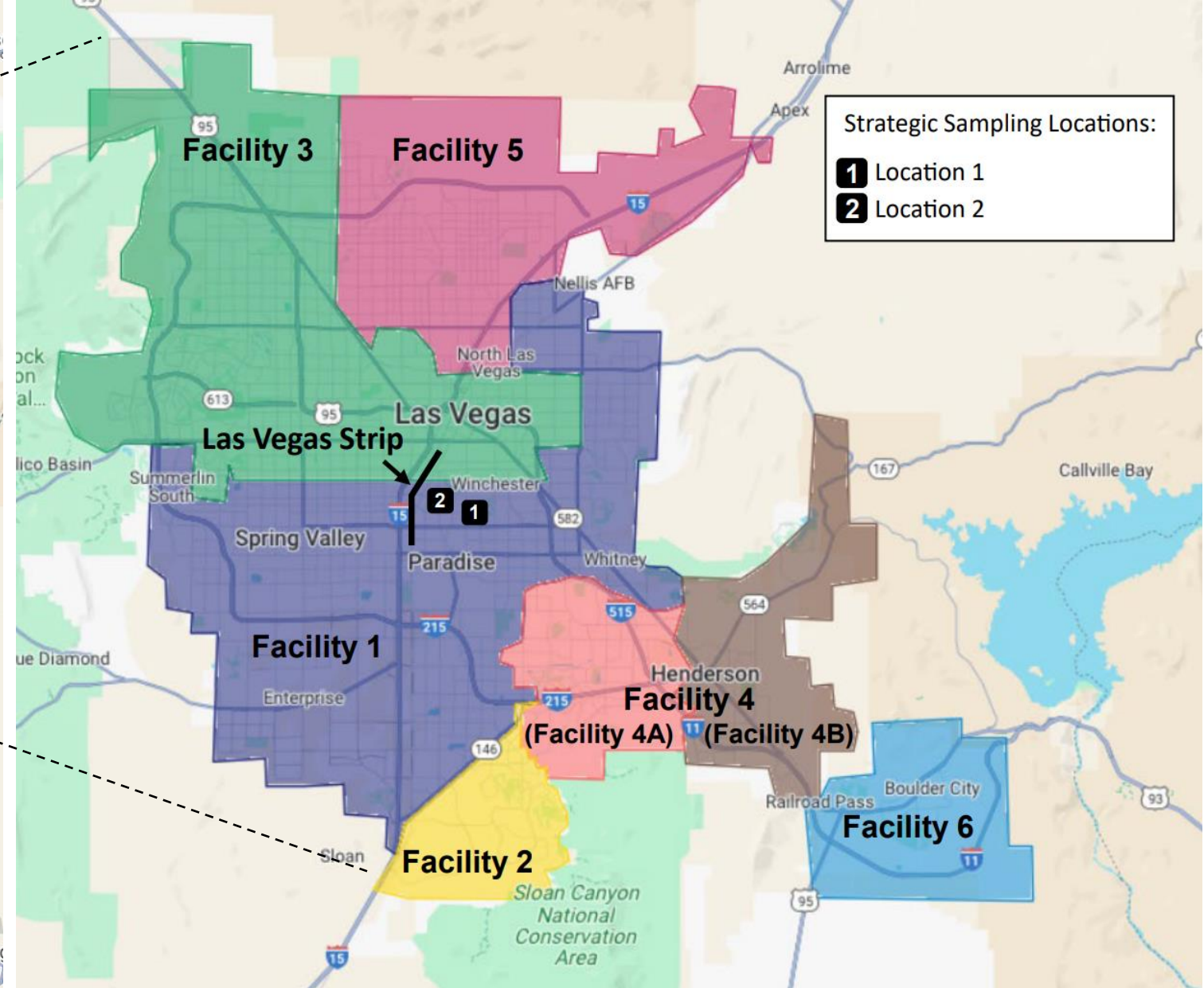
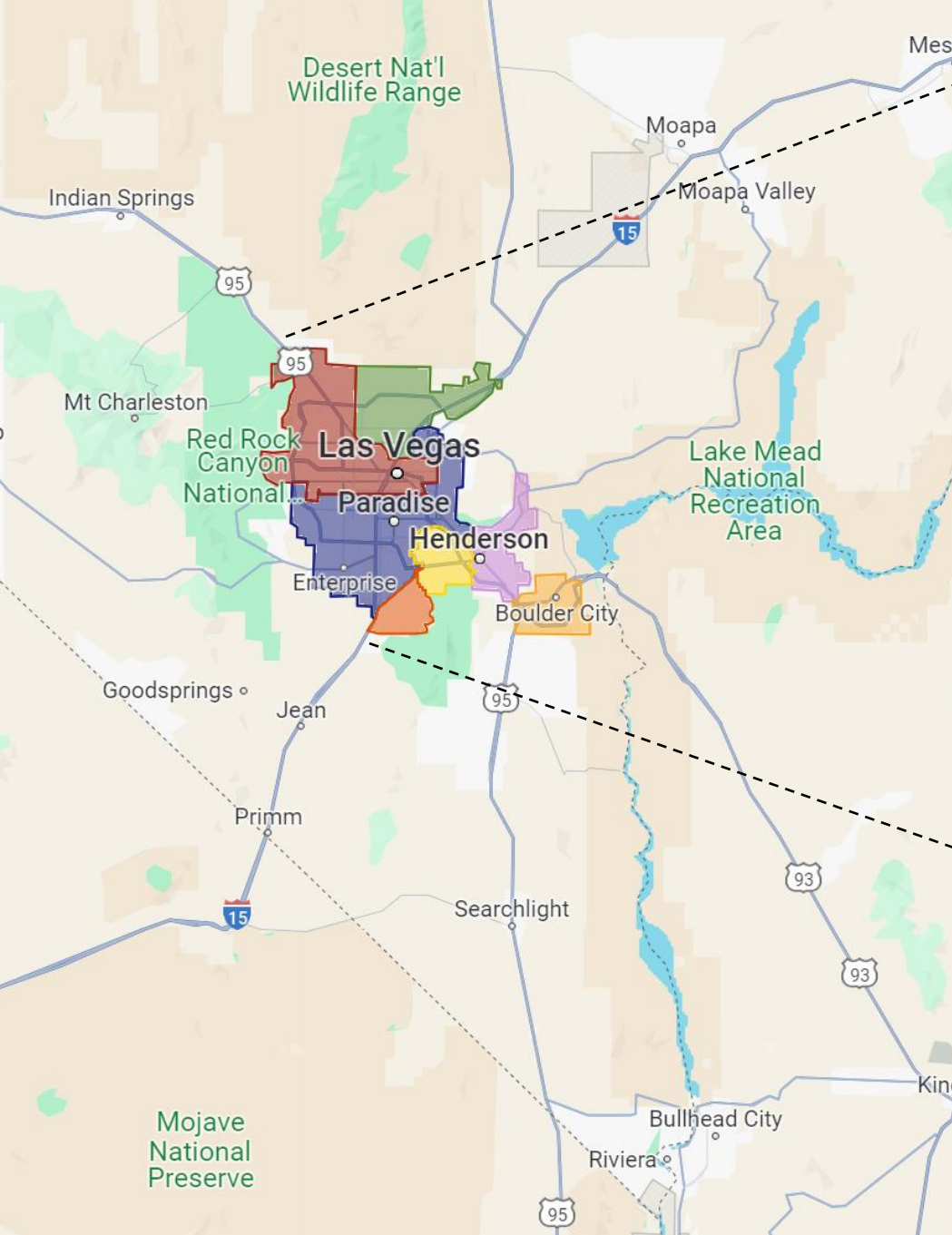
Katerina Papp  
SNWA



Our Community Partners:









# Sampling Locations



**Wastewater Treatment Plant**



**Hospital**



**Residential**



**Las Vegas Strip**



**Airport**



**Bars**

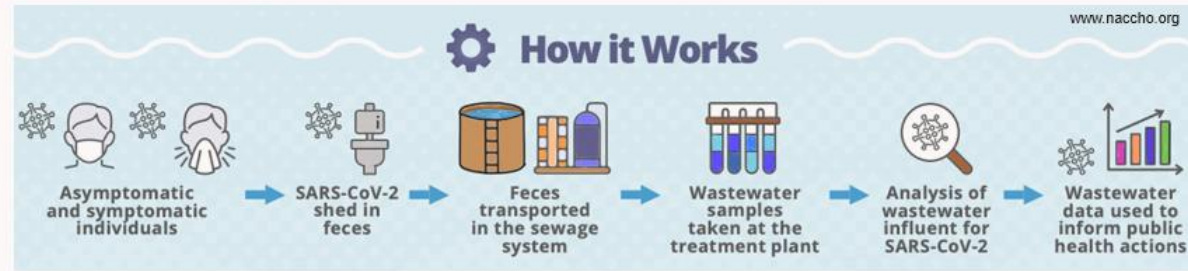


**Flamingo Wash  
(Unsheltered Individuals)**



**Tropicana Wash  
(Unsheltered Individuals)**

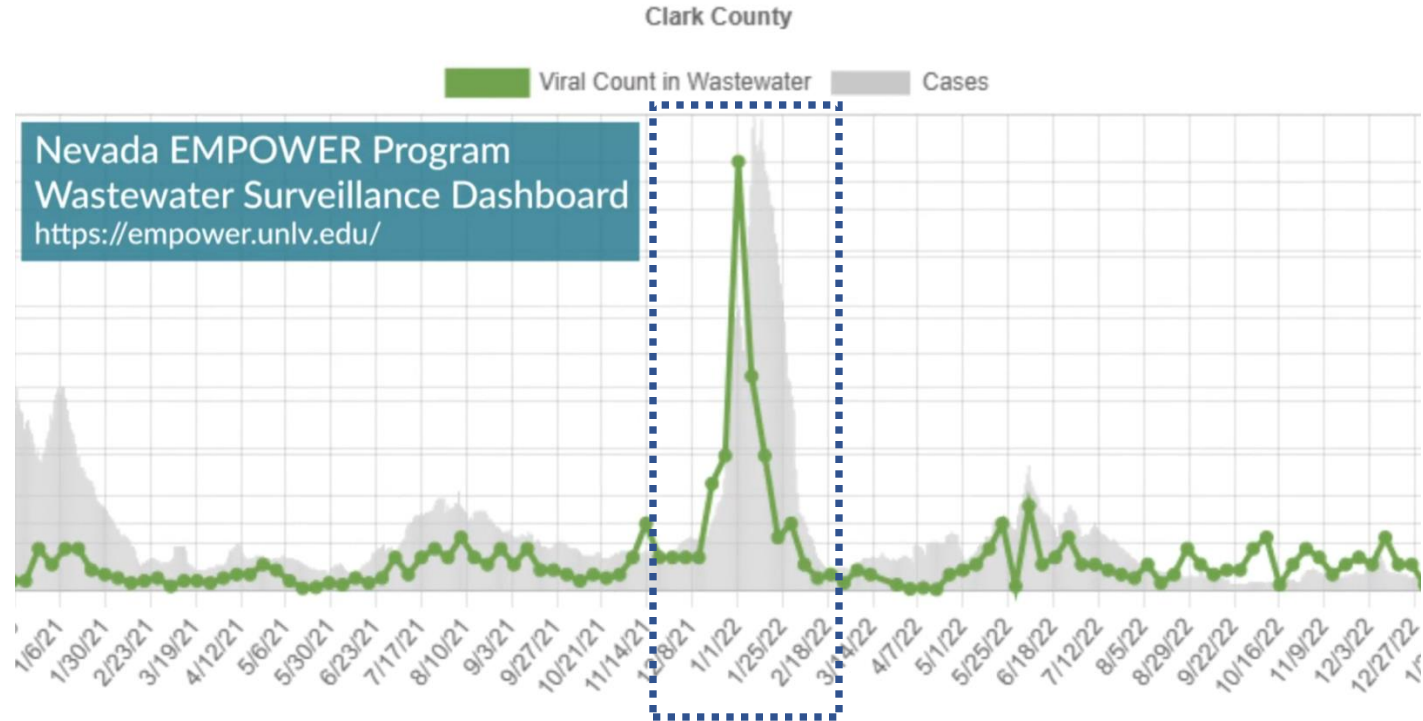




	SARS-CoV-2	Influenza	RSV
Respiratory Viruses			
(Re)Emerging Public Health Threats	Mpox 	<i>Candida auris</i> 	Poliovirus 
Historical Water Industry Targets	Drugs (Fentanyl) 	<i>Legionella</i> 	Norovirus 
Sexually Transmitted Infections	Syphilis 	Gonorrhea 	Chlamydia 

# Wastewater Surveillance for Policy Changes

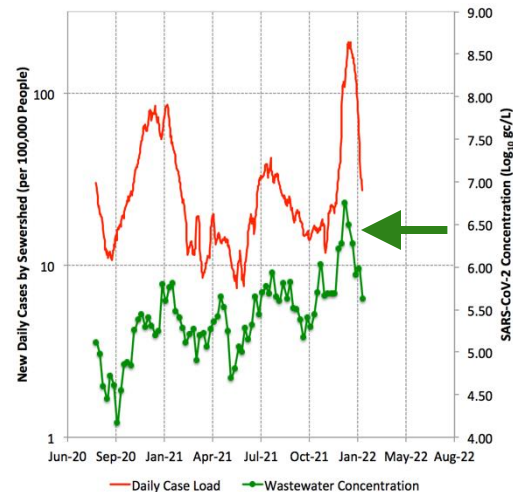
Historical Data from April 17, 2020 to August 24, 2023



Nevada governor announces an immediate end to mask mandate



STEVE MARCUS  
Nevada Gov. Steve Sisolak responds to question from a reporter during a visit to the Horizon Ridge Wellness Clinic on East Flamingo Road Thursday, Dec. 23, 2021. The visit was part of Protect Nevadas Future week of action, a statewide effort to vaccinate children ages 5 to 11 years against COVID-19 from Dec. 18 to 23.



In making his announcement, Sisolak cited a decline in overall cases, hospitalizations and the amount of virus detected during wastewater testing. At the height of the omicron variant surge on Jan. 10, Nevada recorded 7,865 new cases; that number has declined to about 1,280 in recent days.



CDC's National Wastewater Surveillance System (NWSS) program collects and displays wastewater data from communities across the United States.

COVID-19

Influenza A

RSV

MPOX

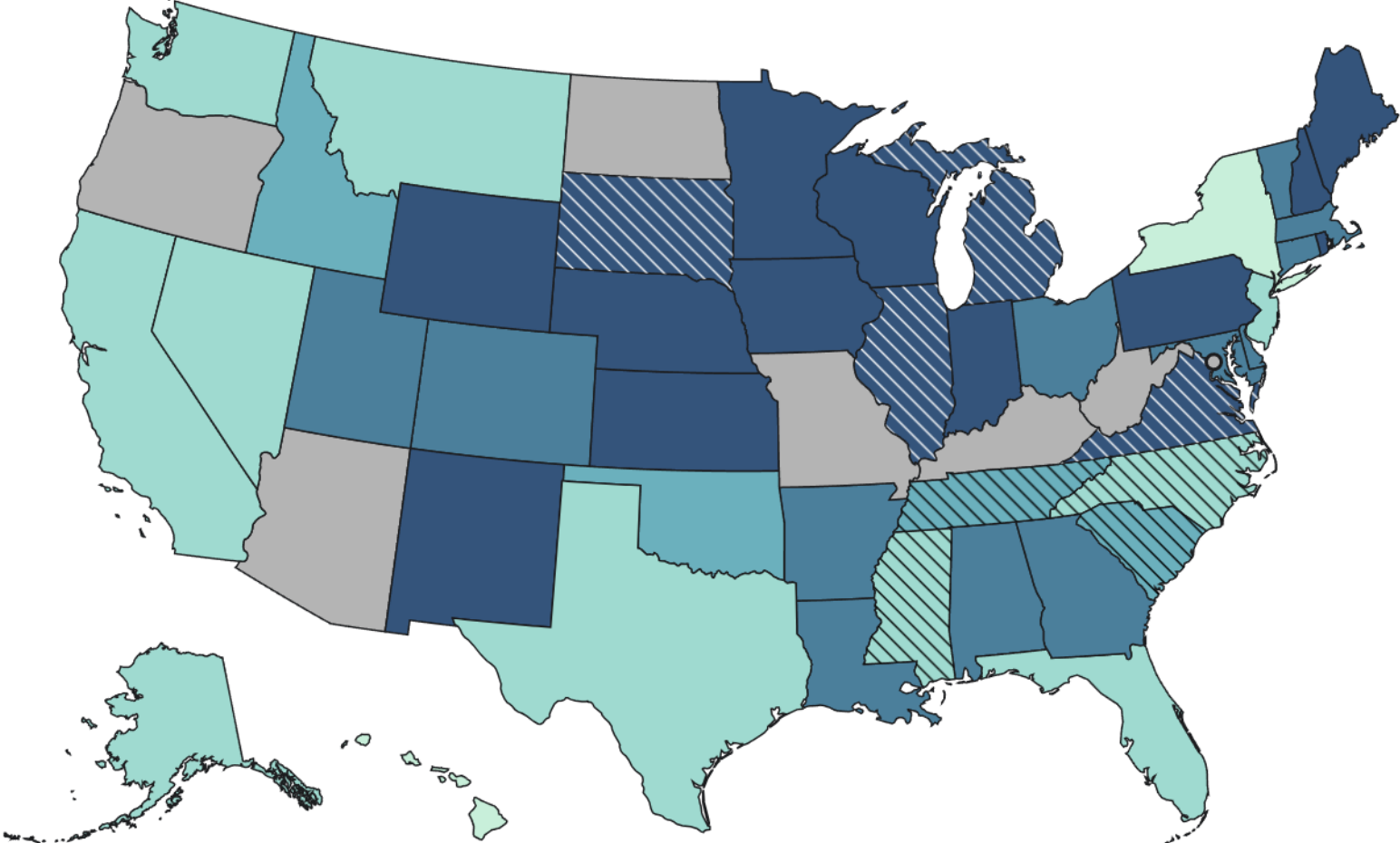


Nationally, the wastewater viral activity level for COVID-19 is currently **high**.

Time Period: December 22 - December 28, 2024

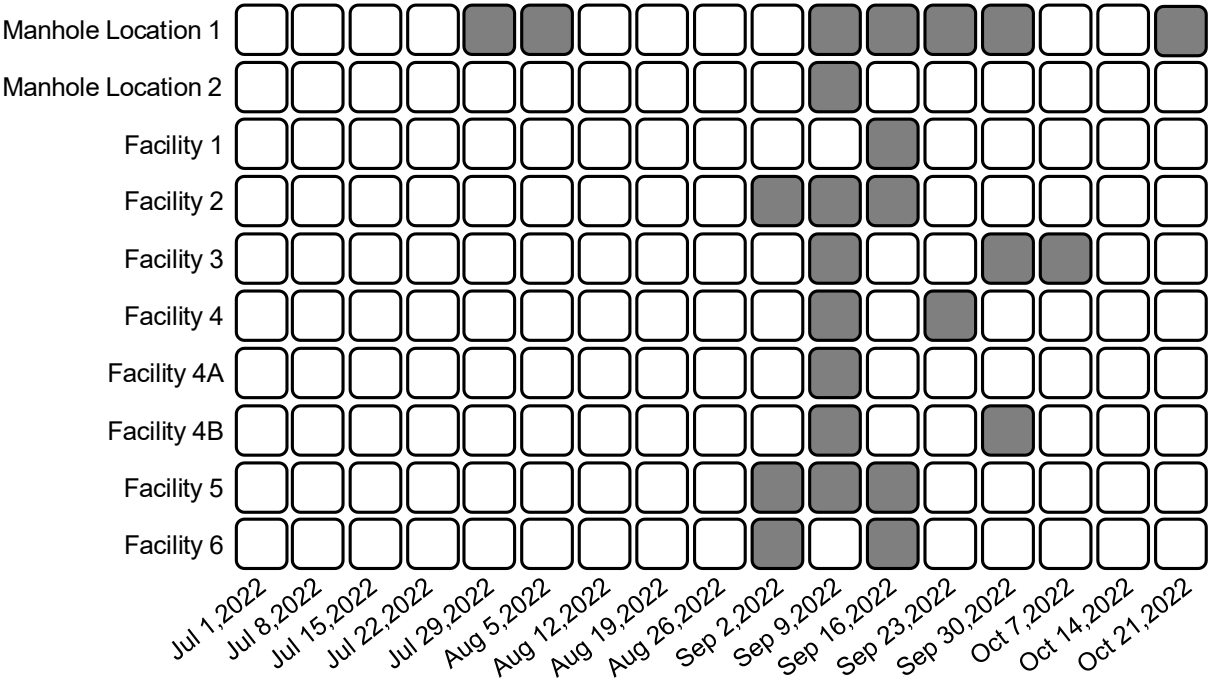
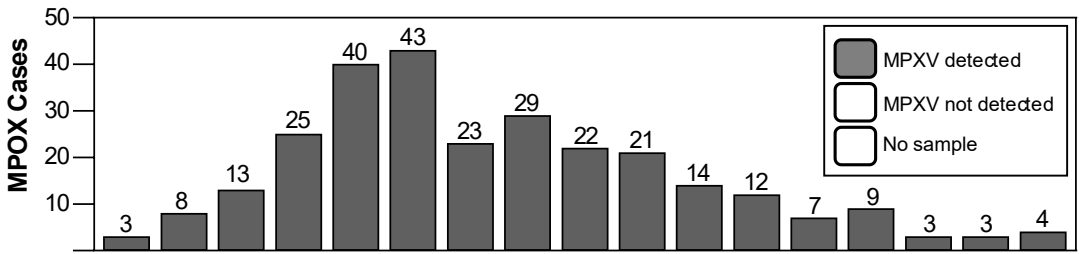


See the data



# Emerging Diseases

Courtyard Homeless Resource Center - mpox

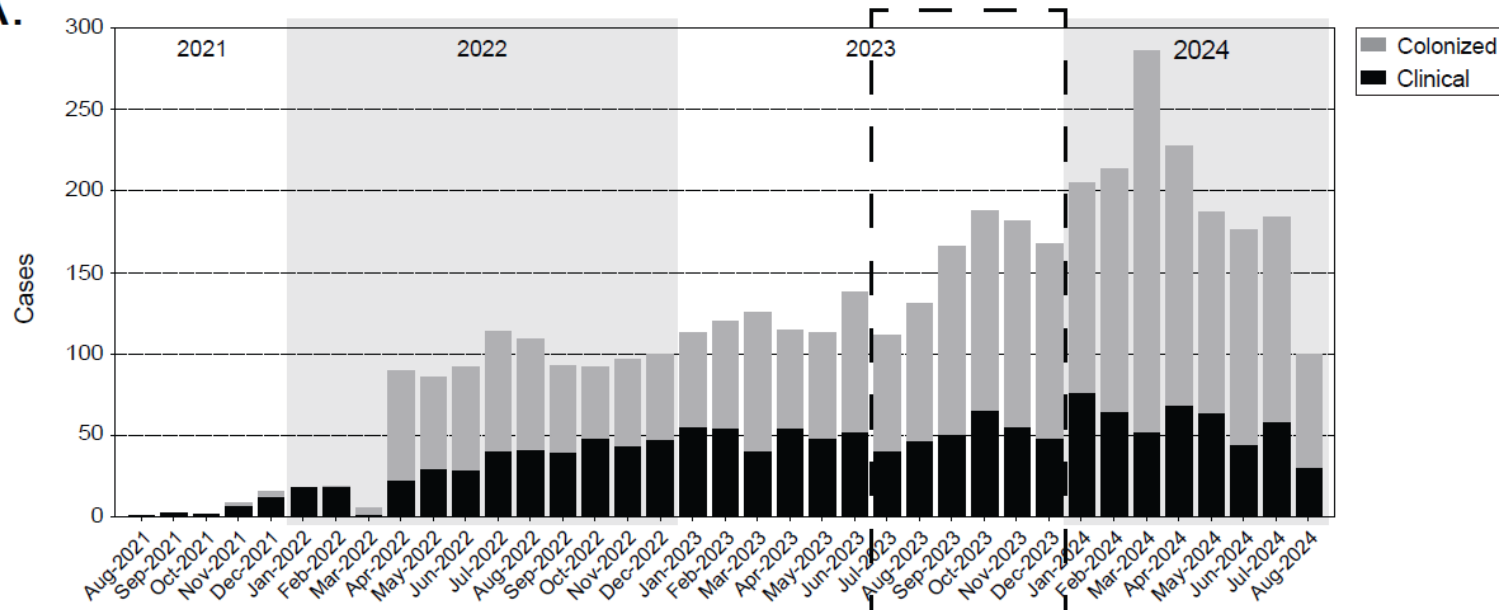


	Number of sites that vaccinations were offered	Total Doses	Percentage of Total Doses
Traditional SNHD Vaccination Locations	45	131	53%
Mobile Strike Teams	8	114	47%

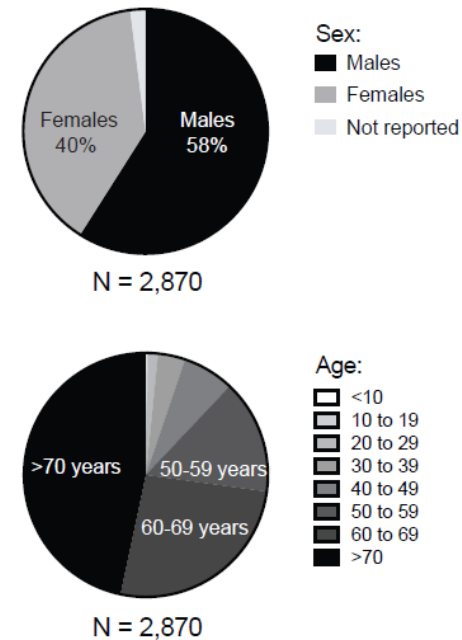


# *Candida auris* Wastewater Intelligence

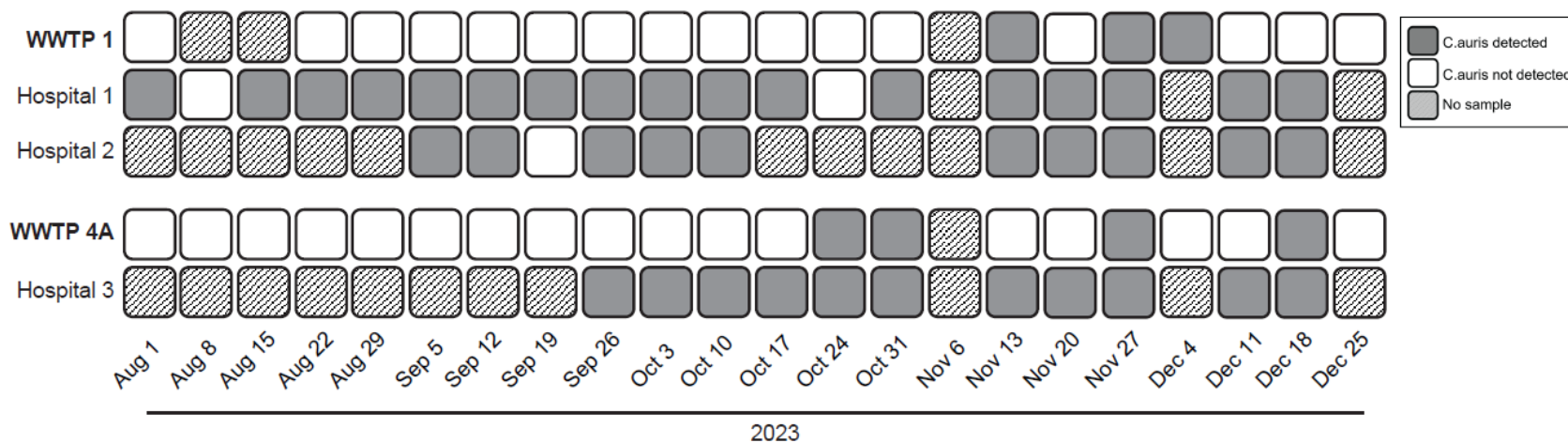
A.



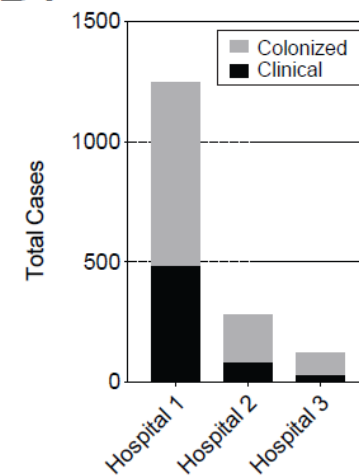
B.



C.



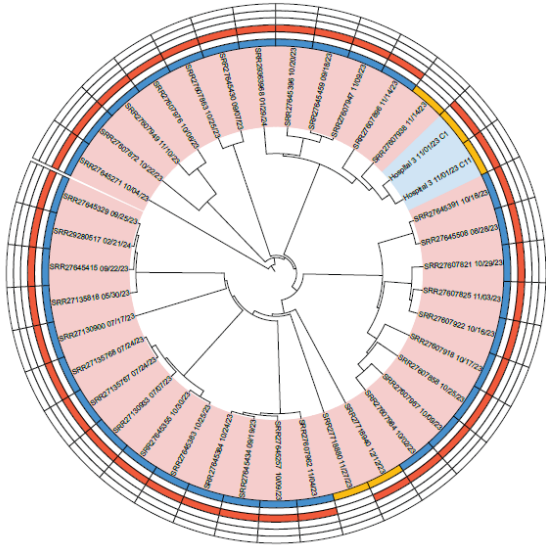
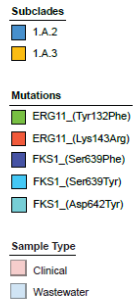
D.



# *Candida auris* Wastewater Intelligence – Whole Genome Sequencing

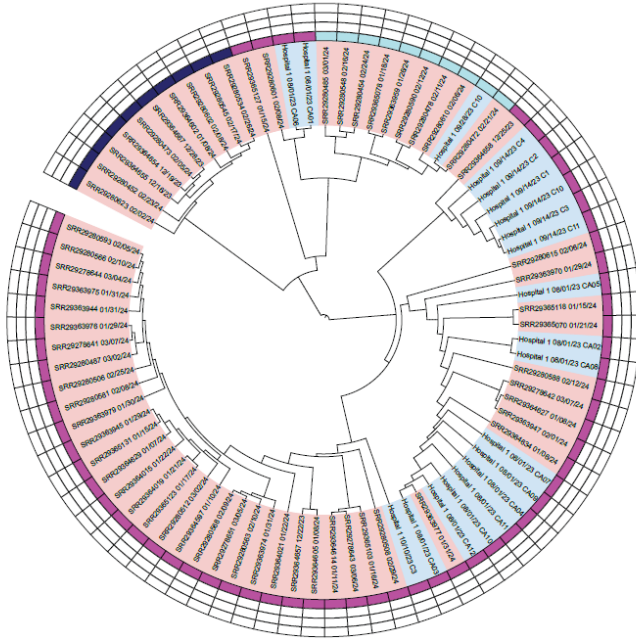
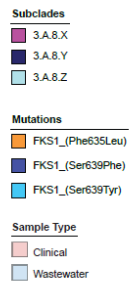
A.

## Clade I



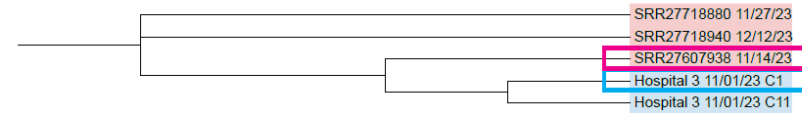
B.

## Clade III



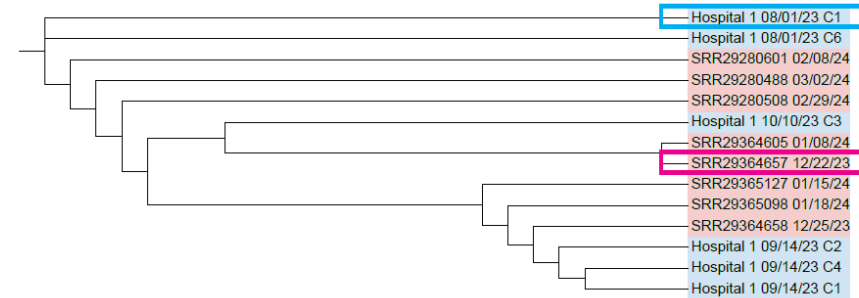
C.

## Subclade 1.A.3 - Early Warning



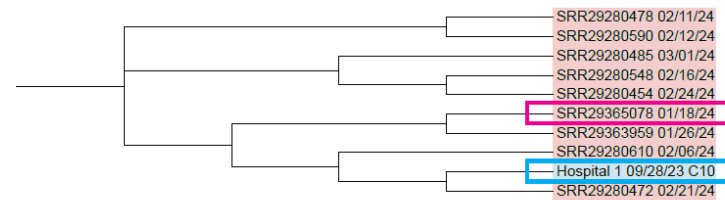
D.

## Subclade 3.A.8.X - Early Warning



E.

## Subclade 3.A.8.Z - Early Warning

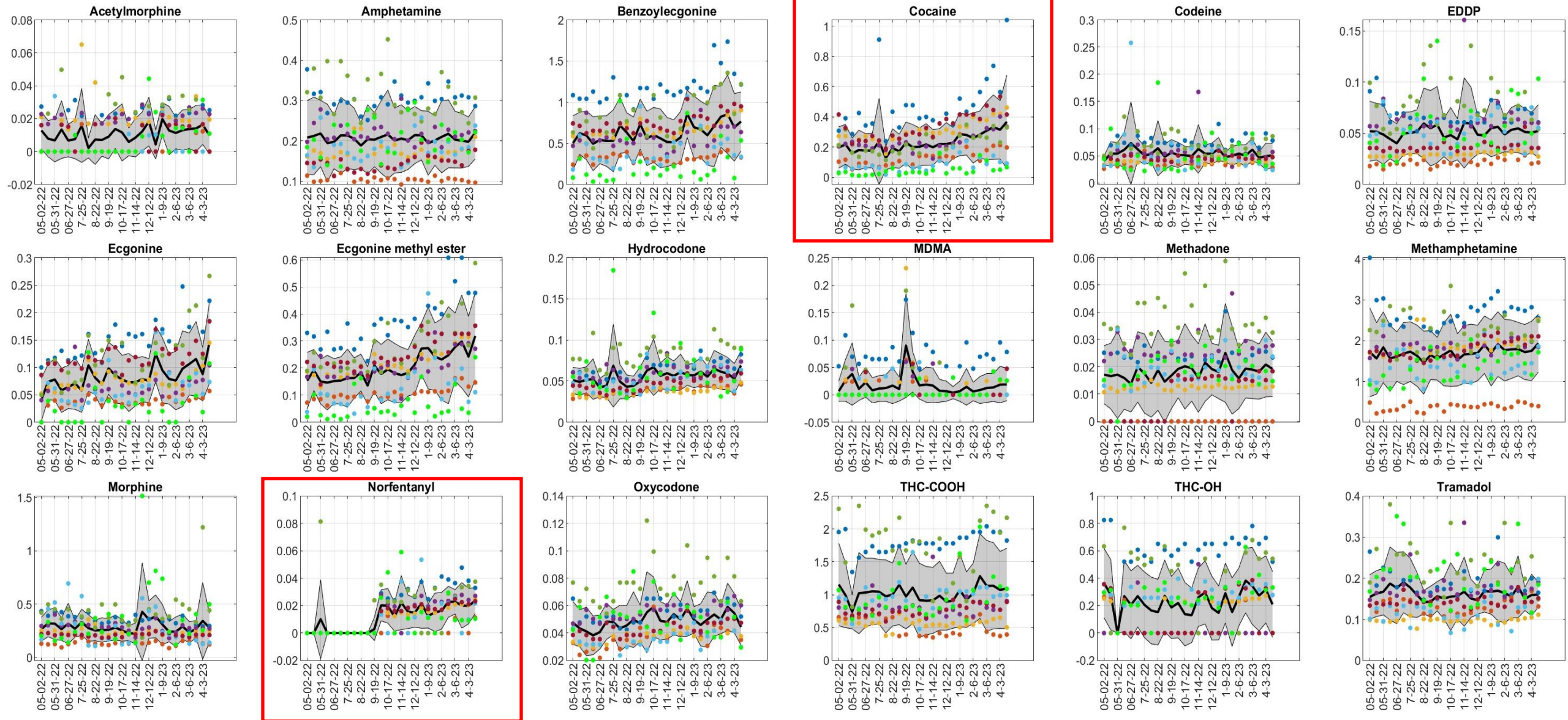


1) ~90% of 105 unique WW isolates within 3 SNPs from the closest clinical isolate (2,977 genomes)

2) WW genomes could predict emergence of clinical genomes



# Detection of drug consumption in our communities





# Communication plan: Leveraging wastewater data to share a message

