

Committee on Community Wastewater-based Infectious Disease Surveillance

Virtual Meeting on Wastewater Surveillance Sampling: Addressing Equity and Optimizing Design

Monday, September 18, 2023

11 am - 2 pm ET (8 – 11 am PT)

DRAFT AGENDA

Zoom link for speakers and participants:

<https://nasem.zoom.us/j/98897273787?pwd=eTNNTkZFS1JiOGVURVBjYjJWRWZCZz09>

Overarching meeting objectives are to discuss:

- What factors should be considered when refining a wastewater surveillance sampling network to achieve the minimal number of sampling sites to provide useful & equitable information?
- What are useful examples of data analyses to address equity in sampling distribution?
- Are there studies that can be shared that looked for data redundancies that may lead to more efficient sampling networks?
- Are there lessons learned or considerations in designing future optimization studies that can be shared?

***All times shown as Eastern Time*

11:00 am ET **Welcome and introductions**

Research studies on sampling optimization (including equity issues)

11:05 am ET Assessment of sewer connectivity in the United States and its implications for equity in wastewater-based epidemiology.

QinQin Yu, Harvard Univ.

11:20 am ET Equity and Sampling Optimization for Wastewater Surveillance in the Central Valley of California.

*Colleen Naughton, UC Merced
Miriam Nuño, UC Davis.*

11:45 am ET Q&A on research needs in sampling optimization

12:00 pm ET Break

Local, State, and National Initiatives to Improve WWS Sampling Design

12:15 pm ET WastewaterSCAN: Considerations of sampling optimization at a national scale

Elana Maria Gha-Wai Chan, Stanford

Ali Boehm, Stanford University

Marlene Wolfe, Emory University

12:45 pm ET North Carolina

Ariel Christensen, NC DHHS

Virginia Guidry, NC DHHS

1:00 pm ET Michigan

Susan Peters, MDHHS

1:15 pm ET Houston, Texas

Kathy Ensor, Rice University

1:30 pm ET **Cross cutting discussion with all speakers**

- What factors should be considered when refining a wastewater surveillance sampling network to achieve the minimal/reasonable number of sampling sites to provide useful information, considering equity and sustainability?
- How does the addition of other pathogens to WWS affect these considerations?
- What research is needed to support states and localities trying to optimize their sampling networks?

2:00 pm ET Adjourn