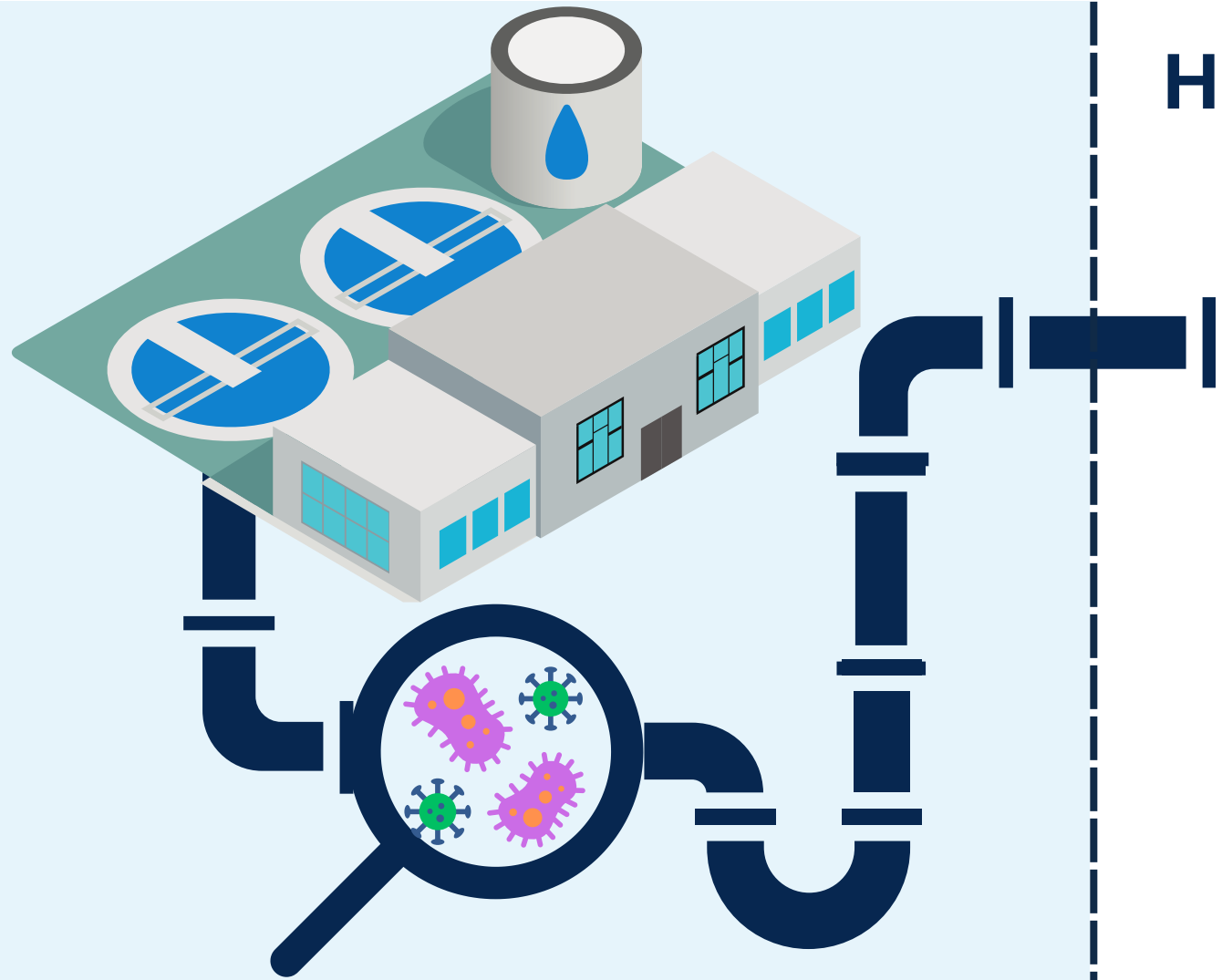


WASTEWATER MONITORING

The State of Michigan SARS-CoV-2 Epidemiology - Wastewater Evaluation and Reporting Network (S.E.W.E.R.)



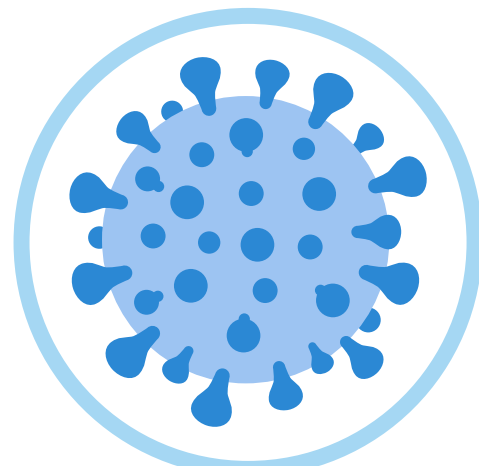
The State of Michigan onboarded wastewater monitoring in 2020, partnering with national and international institutions.

HOW THE MAGIC HAPPENS



COLLECT SAMPLES

Wastewater samples are collected from local sewersheds and treatment plants.



ISOLATE VIRUS

We use Michigan's state-approved method to capture virus in the wastewater and isolate it for analysis.



ANALYZE RESULTS

We use molecular methods to identify and measure viruses in wastewater. Our data are reported to local, state, and federal health departments.

HOW TO USE

Wastewater data can be a valuable tool to aid in existing public health infrastructure. To use this data best:

- Utilize wastewater data in conjunction with other data (clinical, geographical context, social-behavioral)
- More data over time offers more reliable trends

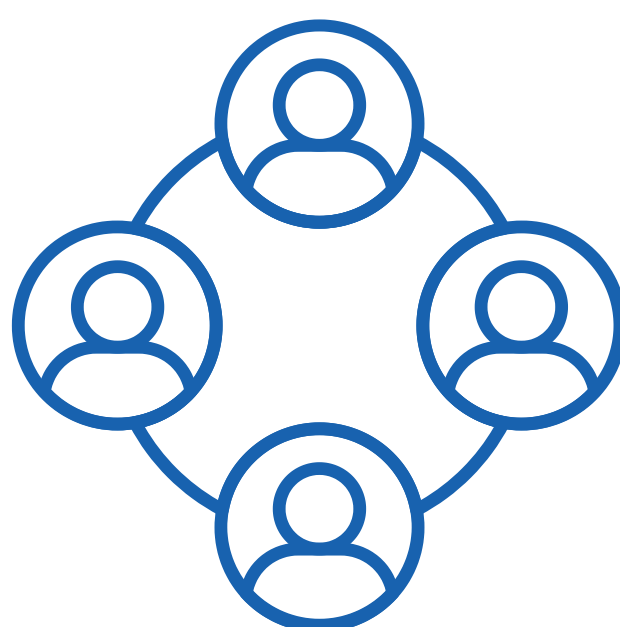


GOALS

- Provide a representative community sample
- Offer data on disease dynamics where clinical testing may not be readily available
- Contribute data for different communities within a county

VALUE

- Captures pathogen signal shed from those with and without symptoms
- Can be an early indicator that circulating pathogens are increasing or decreasing
- Does not depend on an individual's healthcare access
- Can be implemented by many communities



Want to see it in action?
Scan here.



Interested in learning about wastewater monitoring in your community?

www.otterlab.org