

Applications of Wastewater-Based Epidemiology Beyond Cities

Facility-level surveillance contributes to rapid, targeted, and proportionate public health responses.

Hospital, University, Dormitory

Identification of early signs of cluster emergence



- Targeted interventions
- Optimized testing allocation
- Maintaining essential functions

International Airport

Monitoring the introduction of emerging infectious diseases and novel variants



- Alerts to prevent domestic spread
- International reporting
- Travel Policy & Border control

Livestock Facility (Environmental Water)

Monitoring of zoonotic infectious diseases



- One-Health approach
- Vaccine and research guidance
- Risk-based biosecurity measures