



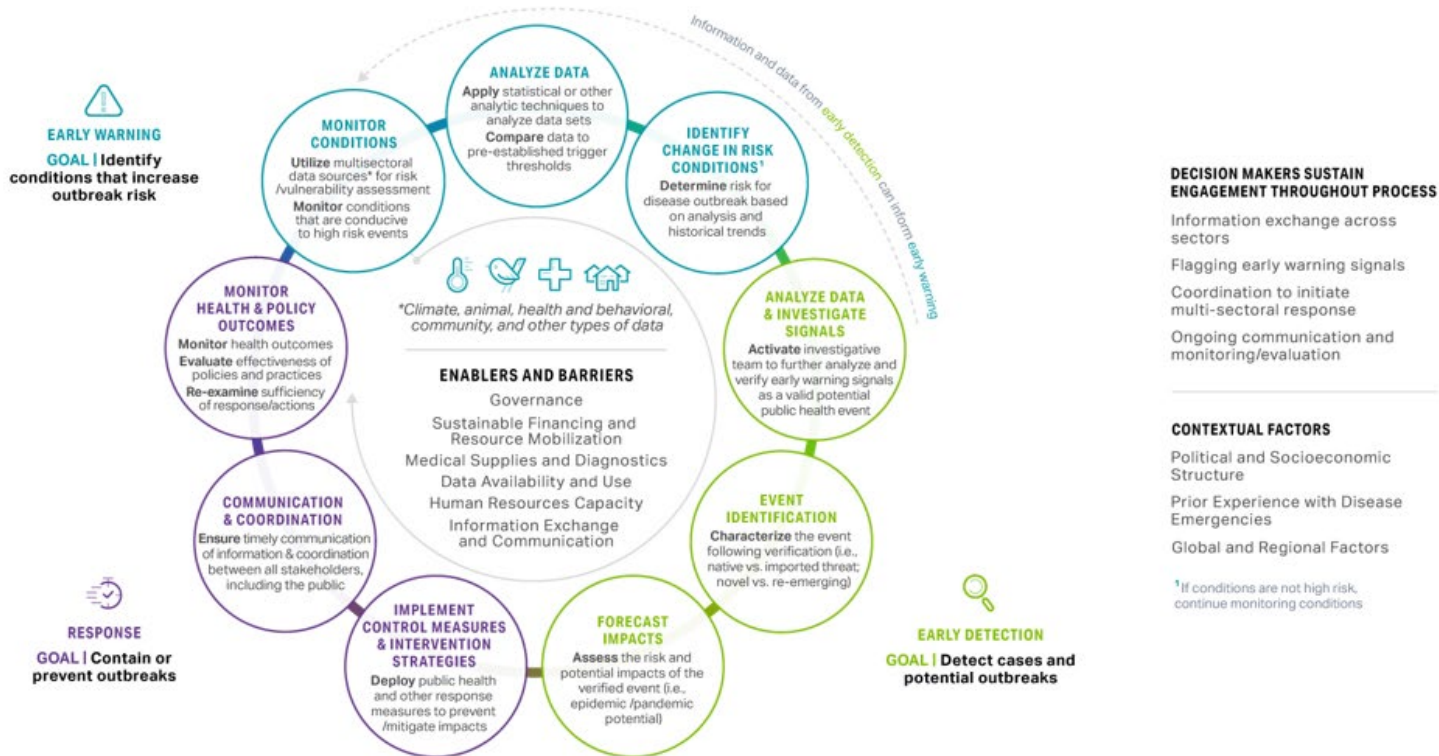
Enabling **Advanced Warning** to Prevent Spillover

Jennifer B. Nuzzo, DrPH, SM



BROWN
Pandemic Center

Toward **Advanced Warning** to Prevent Outbreaks



National/Local Surveillance Approaches Uneven



Countries'
COVID-19
test positivity

Need: Increase Global Access to Testing

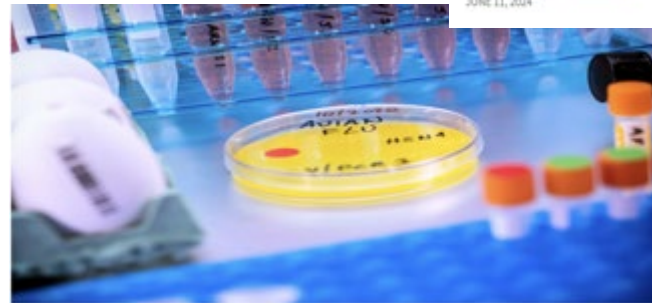
Scaling global access to tests

- Little attention has been paid to scaling and surging access to testing or linked treatment.
- Countries unable to access COVID testing for diagnostic and surveillance use cases during the pandemic's height.
- Recent outbreaks of mpox, H5N1, and VHF's underscore the need to identify key actions and advocate for a global effort to surge, scale, and procure tests as an essential component of the 100DM.

Bird Flu Tests Are Hard To Get. So How Will We Know When To Sound the Pandemic Alarm?

By Amy Maxmen and Arthur Allen

JUNE 11, 2024



Need: Define Triggers for Action

Example: Wastewater Environmental Surveillance

- There is a dearth of activity focused on optimizing practical use cases for wastewater surveillance and related public health triggers
- Global efforts to expand, sustain, and finance wastewater surveillance are waning.
- Pilots are urgently needed to showcase how wastewater surveillance can work for multiple pathogens, build public trust, and enable rapid decisions.

'I was shocked': Ontario to cancel widely praised wastewater surveillance program

"When the next one hits us, that knowledge is going to be important and I am just worried that we will lose it."

News / Press Releases

**GLOWACON Regional Conference Concludes
with a Call to Advance Wastewater and
Environmental Surveillance for Public Health in
Africa**

Need: Provide Incentives, Reduce Barriers



World ▾ Business ▾ Markets ▾ Sustainability ▾ Legal ▾ More ▾

Human bird flu cases in California may be undercounted as workers resist testing

By Leah Douglas

October 24, 2024 11:29 AM EDT · Updated 3 months ago



Covid: South Africa 'punished' for detecting new Omicron variant

27 November 2021

► [BMC Public Health](#). 2021 Sep 6;21:1623. doi: [10.1186/s12889-021-11679-8](#)

Experiences of social stigma among patients tested positive for COVID-19 and their family members: a qualitative study

[Chii-Chii Chew](#)¹, [Xin-Jie Lim](#)¹, [Chee-Tao Chang](#)^{1,✉}, [Philip Rajan](#)^{1,2}, [Nordin Nasir](#)³, [Wah-Yun Low](#)⁴



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Factors that contributed to undetected spread of the Ebola virus and impeded rapid containment