# Session 4: Novel Diagnostics Strategies and Tools During the COVID-19 Pandemic

The Development and Implementation of Diagnostics Tools Outside of the Clinical Setting

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2:45PM EST



#### The Problem



### BARDA Partnerships for Development of OTC Diagnostics









#### COVID Advancements – Realization of OTC Testing





The Washington Post

D.C. required negative coronavirus tests to return to school. Did it work?

THE BUFFALO NEWS

Test-to-stay could start next week in Erie County; details of program revealed

**SE NEWS** 

White House to ship free at-home Covid tests via USPS, finalizes first contracts

Los Angeles Times

With sexually transmitted infections soaring in California, new law pushes at-home tests



## Future of Diagnostics

- Innovation of Mobile Patient-Reported Outcomes
  - Breath Sampling
  - Next Generation Wearables
    - Watch/Mobile Apps
    - Contact Lens
    - Nanotech Tattoos (monitor biochemistry vital changes) or radiation exposures/exposures
  - Micro implants (continuous sensors monitoring of vitals)





## Challenges

- Appropriate DataCollection, Storage,Management
- Data Privacy & Security
- Delivery of Appropriate
  Treatment
- Regulatory Pathways
- > Reimbursement





## Vision for the Future





