Advancing Preparedness Through Partnerships: Federal, State and Industry Perspectives

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• “No one person, no one alliance, no one nation, no one of us is as smart as all of us thinking together.”
  - James Stavridis

• “The secret is to gang up on the problem, rather than each other.”
  - Thomas Stallkamp
Principles of Partnerships

- Trust
- Transparency
- Mutuality
- Respect
- Solidarity
- Commitment
- Accountability
Alignment of Missions

• **VS Mission**
  – As the recognized animal health leader and trusted partner, Veterinary Services safeguards the health of animals, people, and the environment.
    • Goal 2: Build new collaborations and partnerships while sustaining existing ones.

• **FAZD Mission**
  – To protect the nation’s agriculture and public health sectors against high consequence foreign animal, emerging and/or zoonotic diseases
    • Conducting Research, Developing Technology, Transitioning Products, Training Workforce, Communicating Results
APHIS and FAZD: Working Together

ERSS
- Emergency Response Support System

EPS
- Enhanced Passive Surveillance

NAHLN
- National Animal Health Laboratory Network
Agricultural Screening Tools (AST)

- Define screening tools
- Evaluate status
- Identify gaps
- Agree on requirements
Gaps Identified through the AST Workshops (I-IV)

Diagnostics

- Penside tests for FADs
- Portable technologies for FAD field diagnosis
- Multiplex assays
- DIVA assays
- High-throughput testing
- FMD RT-PCR in milk

Assay Validation & NAHLN

- Serology and molecular HTP diagnostic platforms deployable to the NAHLN
- Methods for sample collection, preservation, and transport
- NAHLN deployable assays for use with pooled samples
- FMD RT-PCR in various sample types
- Wildlife samples
- Policy for validation during outbreaks
Gaps Identified through the AST Workshops (I-IV)

NAHLN laboratories

- Laboratory capacity estimation
- Policy and laboratory concept of operations in laboratories
- Data management

Field

- Streamline VS Memo 580.4
- Tools and training for Foreign Animal Disease Diagnosticians (FADDs)
Collaboration on Projects

Foreign Animal and Zoonotic Disease (FAZD) Center

National Animal Health Laboratory Network (NAHLN)

Foreign Animal Disease Diagnostic Laboratory (FADDL)
Laboratory Capacity Estimation Model (LCEM)

• Collaborative project (NAHLN, FAZD, AAVLD)
• Software tool to evaluate/monitor NAHLN testing capability
• Deployed to all NAHLN laboratories
• Version 2 under development
  – Includes integration with the NAHLN portal, web-based exercises and enhancements for limited accounting capabilities and reagent and supply inventory tracking
Laboratory Capacity Estimation Model Objectives

• Improve knowledge in individual lab and overall NAHLN diagnostic testing capacity
• Aid in the modification of the NAHLN activation plan
• Assist in the prioritization of additional resources needed
• Serve as critical tool for managing a large number of diagnostic tests simultaneously
Conclusion

Defining the problem and understanding each other’s objectives is the first step in any collaborative process.
‘Partners in Preparedness’

• Emergency preparedness and response requires the input, collaboration and cooperation of multiple partners.

• FAZD leveraging its DHS support is a key partner in identifying and filling many gaps in emergency preparedness and response. Significant progress has been made in addressing identified gaps through collaborative efforts and projects.

• APHIS looks forward to continued coordination and collaboration with FAZD and its partners.