United States Department of
Health & Human Services
Office of the Assistant Secretary for Preparedness and Response

ASPR
ASSISTANT SECRETARY FOR
PREPAREDNESS AND RESPONSE

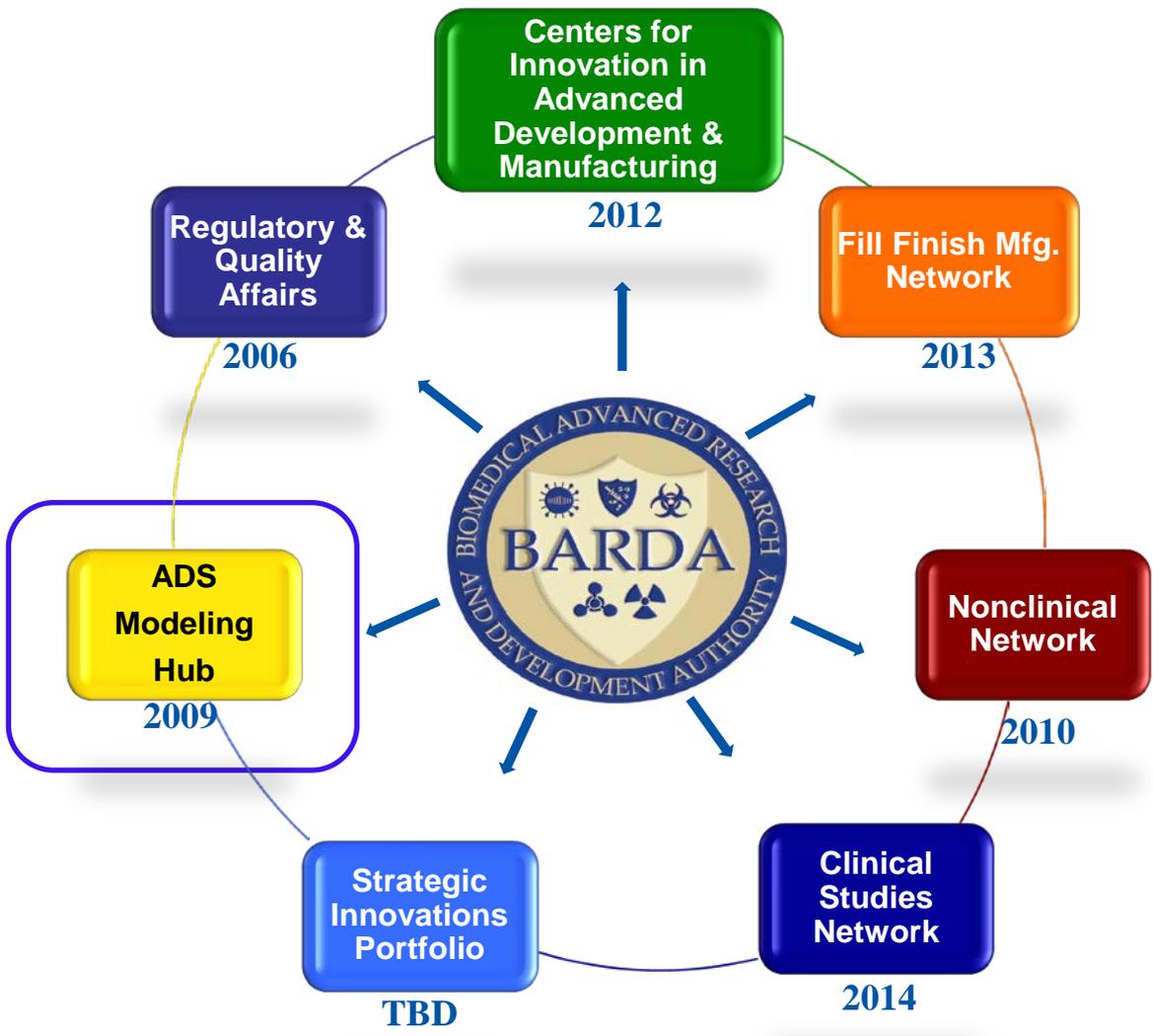# Analytic Decision Support

BARDA Core Service Overview
2013 BARDA Industry Day

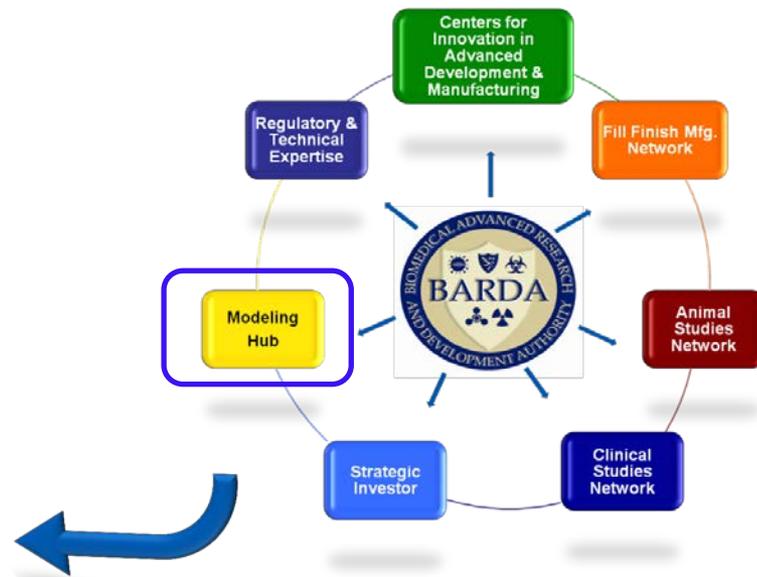**Tim Lant, PhD**

Director, Analytic Decision Support (ADS)

November 13, 2013

ASPR: Resilient People. Healthy Communities. A Nation Prepared.

The ADS Modeling Hub is a BARDA Core Service

ASPR: Resilient People. Healthy Communities. A Nation Prepared.

1

Modeling Hub: Mission

ADS supports the BARDA mission by ensuring consistent, coordinated analysis for requirement setting, analytic decision support across the PHEMCE, and real-time modeling during public health emergencies.

ASPR: Resilient People. Healthy Communities. A Nation Prepared.

VizHub requirements & target capabilities

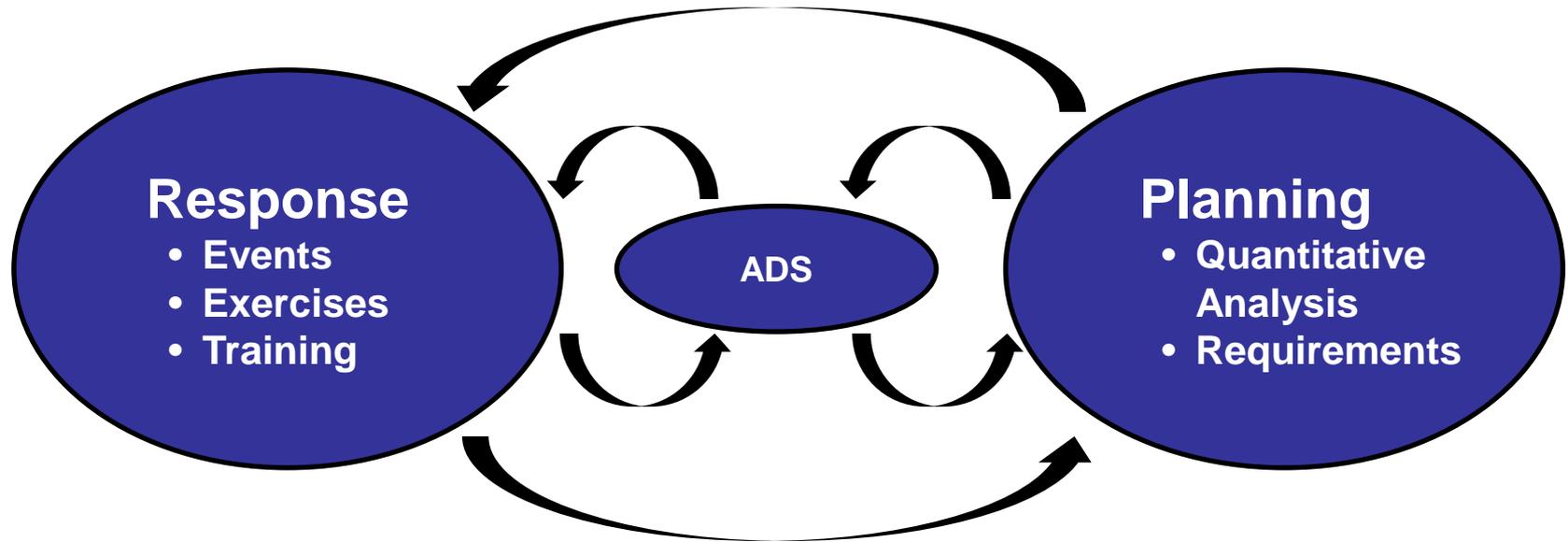|	
Project Bioshield (2004)	• Subject matter experts, modelers engage directly with HHS decision-makers regarding medical countermeasure consequence assessments
National Influenza Strategic Plan (2005)	• An on-site HHS real-time epidemic analysis and modeling hub to support policy and decision makers
PHEMCE Implementation Plan (2012)	• Compilation of information visualization tools for PHEMCE prioritization and coordination
BARDA ADS Strategic Implementation Plan (2012)	• In-house & on-site resource to manage and build capability of evidence-based decision-support systems

BARDA ADS supports planning and response activities

- **Provide quantitative scientific evidence base for decisions**
- **Improve Medical Consequence Modeling and Public Health Response Modeling**
- **Support acquisition and distribution of medical countermeasures in support of PHEMCE requirement setting process**

ADS Modeling Hub: Products

- Consequence analysis and reports for MCM requirement setting
- Simulation and visualization tools for MCM utilization planning
- Decision support tools for PHEMCE
- High performance computing and knowledge management

Modeling & Analysis Reports

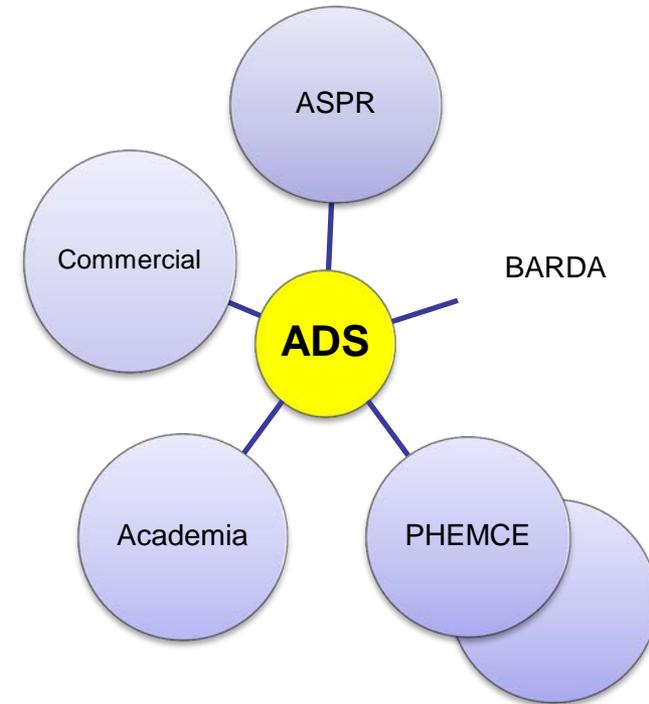**Simulation and Visualization Tools**

Decision Support

IT and Knowledge Management

ASPR: Resilient People. Healthy Communities. A Nation Prepared.
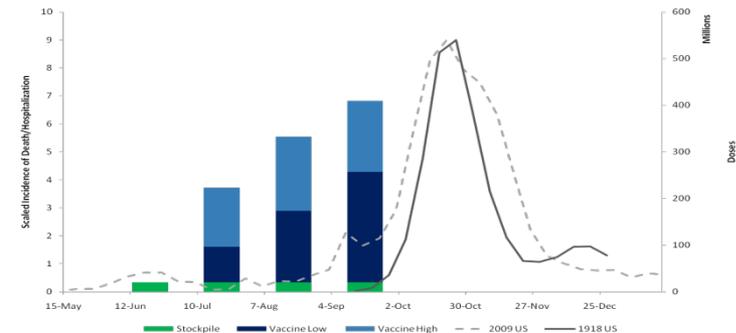
5

ADS Modeling Hub: Stakeholders

- **ADS Modeling Hub provides mathematical and computational model development and analysis by coordinating with:**
  - Other PHEMCE modeling units:
    - CDC, DHS, DOD, NIH, FDA
  - Other Inter-agency partners
    - FEMA
    - White House/National Security Staff
  - Academic Institutions
- **The ADS Modeling Hub supports:**
  - BARDA Program Managers and Project Officers
  - PHEMCE Planning teams
  - Senior HHS decision-makers
  - Office of the Assistant Secretary for Preparedness and Response
  - State and local health officials

ASPR: Resilient People. Healthy Communities. A Nation Prepared.

ADS Modeling Hub snap-shot

- Federal staff include project officers and science and technology managers

- Modeling Hub with support analysts

- Technical development team

- Reach-back support through Inter-agency partners and contract support.

Upcoming Acquisition Information

- Anticipated ADS Request For Proposals
  – "Public Health and Medical Consequence Modeling Network"

- Additional information available on FedBizOpps
  – Solicitation Number: RFP-13-100-SOL-00010

Contact information

Tim Lant, PhD

Director, Analytic Decision Support (ADS)

Biomedical Advanced Research and Development Authority (BARDA)

Assistant Secretary for Preparedness and Response (ASPR)

Department of Health and Human Services (HHS)

email: timothy.lant@hhs.gov