BARDA RESPONSE CAPABILITIES FOR EMERGING THREATS: CHALLENGES AND STRATEGY

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Resilient People. Healthy Communities. A Nation Prepared.
BARDA Response Capabilities Have Been Established and Tested Over Time

**POLICY**

- **2001**: Bioterrorism Act
- **2003**: Project BioShield
- **2005**: Pandemic & All Hazards Preparedness Act
- **2007**: National Health Security Strategy
- **2009**: MCM Enterprise Review
- **2011**: PHEMCE Strategy & Implementation Plan
- **2013**: PAHPA Reauthorized

**EVENTS**

- **2001**: 9/11 and Anthrax
- **2002**: Re-emerging H5N1
- **2003**: Katrina, Rita, Wilma
- **2004**: Ike, Gustav
- **2005**: H1N1 Pandemic
- **2006**: Deepwater Horizon and Tornadoes
- **2007**: Haiti earthquake
- **2008**: Japan Earthquake Nuclear Event
- **2009**: Hurricanes Isaac and Sandy
- **2010**: H7N9 Emergence
- **2011**: Ebola MERS-CoV
- **2012**: Zika
- **2013**: MCM Enterprise Review
- **2015**: PAHPA Reauthorized
- **2016**: BARDA Response Capabilities Have Been Established and Tested Over Time
Emerging Threats Require an Integrated Response

Vaccines

Therapeutics

Diagnostics

Early Detection ➔ Early Response ➔ Saving Lives
Leveraging BARDA Resources for Response

CIADMs

2012

Fill Finish Mfg. Network

2013

Nonclinical Development Network

2011

Clinical Studies Network

2014

ADS Modeling Hub

2009

Regulatory & Quality Affairs

2006
Looking Forward: Flexible, Durable and Resilient BARDA Response Capability

- Continually improving computational modeling and epidemic forecasting for emerging diseases
- Enhancing platform technologies for response
- Optimizing the National Medical Countermeasures Response Infrastructure
- Refining BARDA response planning and readiness, incorporating lessons learned
- Ultimately, building the capability to respond simultaneously to multiple events—while continuing preparedness operations for other threats