



**ASPR**

# **BARDA's Role in Incentivizing Medical Countermeasure Research and Development**

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*Wilmington, DE*  
*July 23, 2019*

UNCLASSIFIED



**U.S. Department of  
Health & Human  
Services**



**Assistant  
Secretary for  
Preparedness &  
Response**



**Biomedical  
Advanced Research  
& Development  
Authority**

# ASPR Mission

**Save Lives  
and Protect  
Americans from  
21st Century  
Health Security  
Threats**



# ASPR Priorities for Building Readiness for 21st Century Threats





## The BARDA Model

BARDA develops and makes available medical countermeasures (**MCMs**) by forming unique public-private partnerships to drive innovation off the bench to the patient to save lives.

# Our Government Partners



**NATIONAL CANCER INSTITUTE**  
Technology Transfer Center



**National Heart  
Lung and Blood Institute**



**USAMRIID**  
United States Army  
Medical Research Institute  
of Infectious Diseases  
Biodefense solutions to protect our nation



**National Institute  
of Allergy and  
Infectious Diseases**

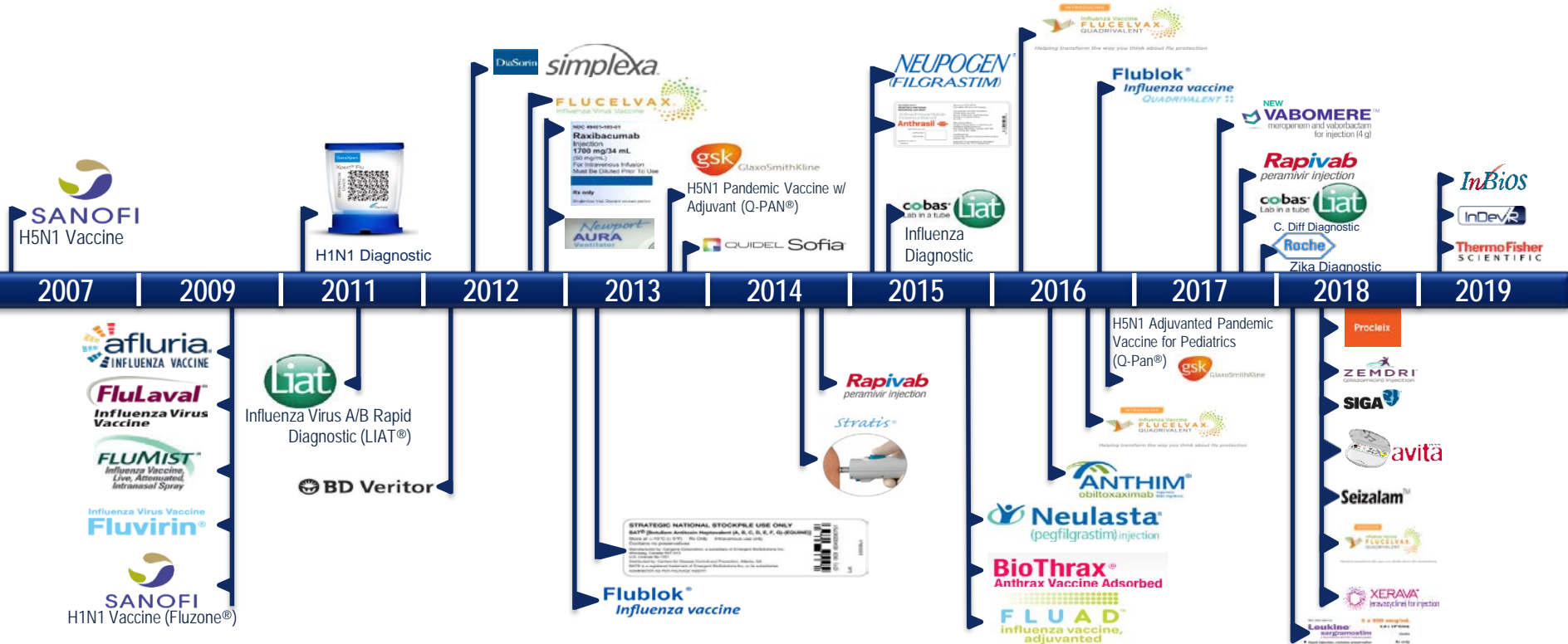


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# 45 FDA Approvals, Licensures, and Clearances





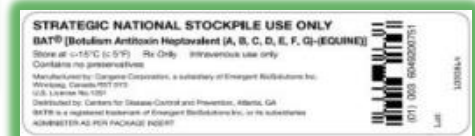
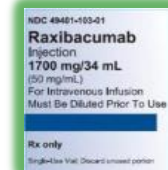
# Project BioShield

## A COMMITMENT

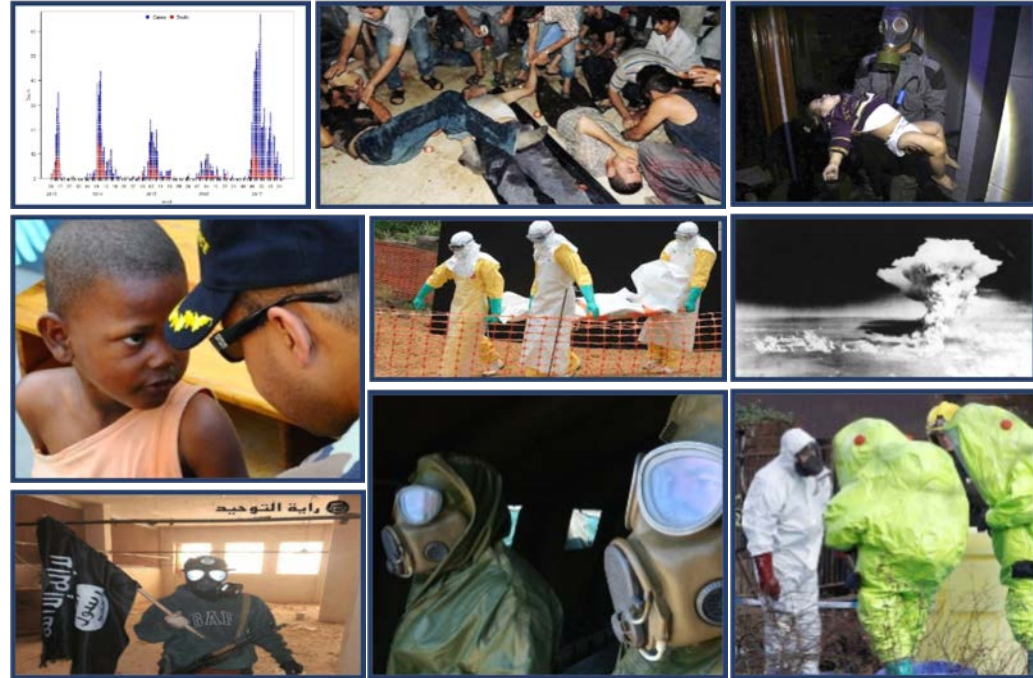
**27** Products supported

**15** Products added to the Strategic National Stockpile

**10** Products taken to FDA approval/licensure/clearance



# 21<sup>st</sup> Century: An Increasingly Complex & Dangerous World



# CBRN Priority Investment Areas

**Stockpile at least one countermeasure for all threats that have a material threat determination**

Develop innovative rapid response capabilities to address unknown threats

Repurpose products to treat injuries from radiological, nuclear and chemical threats

Invest in new antibacterial agents, vaccines and rapid point of care diagnostics

Deliver countermeasures against chemical and viral hemorrhagic fever threats



# CARB-X

Combating Antibiotic Resistant Bacteria

## Biopharmaceutical accelerator: Model partnership to support innovation and early R&D

### FUNDERS



Bundesministerium für Bildung und Forschung

### ALLIANCE PARTNER

BILL & MELINDA GATES foundation

### ADMINISTRATION



### OTHER PARTNERS & ACCELERATORS



# BARDA Division of Research, Innovation, and Ventures (DRIVE)

## DRIVE Mission: Transforming Health Security

*Accelerate the research, development, and availability of transformative countermeasures to protect Americans from natural and intentional health security threats.*



**DRIVE-Ready**

### CAPTURE

Set targets & research agenda  
Coordinate with “deep thinkers”  
across USG, academia,  
industry, and other  
stakeholders.

### SOLUTION MAPPING

Establish Integrated Solutions  
for Intelligent Acceleration

**DRIVE-X**

### ACCELERATE

Investors: BARDA, DoD

**DRIVE-Launch**

INITIAL SUSTAINMENT  
(1-18 Months)

Investors: BARDA, MCIP

**DRIVE** VENTURES  
Investing in National  
Health Security

STRATEGIC SUSTAINMENT

Corporate Venture Capital  
Model Investment in Products

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PHEMCE 2.0 Industry DoD

# BARDA Has Had a Successful Decade



Formed strong partnerships with over 250 industry partners



Supported 45 FDA licensure/ approvals across 40 different medical countermeasures



Supported 27 different projects under Project BioShield, 15 products added to the Strategic National Stockpile, 10 FDA licensures



Significantly expanded domestic vaccine production capacity: 60 M doses to 600 M antigen doses for influenza



Accelerated antibacterial product development to address critical vulnerabilities

# How to Contact BARDA



Medical  
Countermeasures.gov

[medicalcountermeasures.gov](http://medicalcountermeasures.gov)

Portal to BARDA: **Register to request a TechWatch meeting!**



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[www.fbo.gov/](http://www.fbo.gov/)  
("FedBizOpps")

Official announcements and info for all government contract solicitations



[www.phe.gov/BARDA](http://www.phe.gov/BARDA)

Program description, information, news, announcements



[www.drive.hhs.gov](http://www.drive.hhs.gov)

DRIVE questions

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**BARDIA INDUSTRY DAY 2019**  
OCTOBER 15-16, 2019  
ONLINE REGISTRATION COMING SOON!

# Our People Are Our Success

