





6 August 2021

# OPENING REMARKS & CHARGE TO THE COMMITTEE

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# Why this review?

- COVID-19 sets new precedents for medical countermeasure (MCM) preparedness
- Government must optimize business practices to
  - To meet MCM national security mission in context of current pharma economy
  - Drive necessary changes in current public health and biological preparedness industrial bases
  - Maintain analytical methodologies consistent with current standards of practice
- Public scrutiny of MCM preparedness activities further motivates need for independent review of PHEMCE
- Establish efficient processes to engage critical stakeholders/partners



# **Charge to the Subcommittee**

- Review the effectiveness of existing PHEMCE activities and areas for improvement by
  - Review charters, memoranda of understanding, process documents, and public documents
  - Engage with PHEMCE personnel to understand historic practices
- Recommend on best business practices to
  - Incorporate industrial base, supply chain, and inventory strategies for MCM preparedness
  - Ensure defensible recommendations and enterprise-wide reviews, and
  - Harmonize programs and budgets
  - Integrate external partners into PHEMCE decision framework
    - State, Local, Tribal, Territorial
    - Private sector, manufacturers, pharma
    - OMB, Congress, etc.



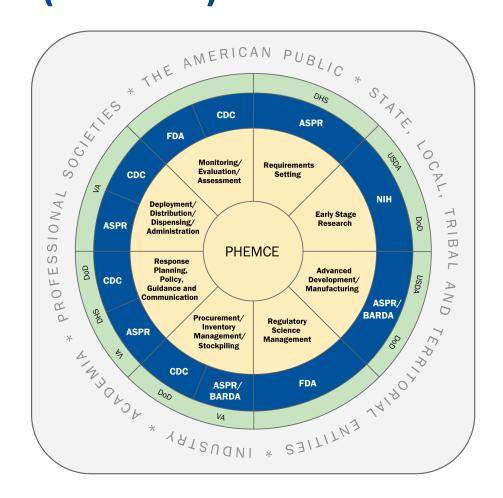
# **BRIEF HISTORY AND CONTEXT** Chad Hrdina, MS, CG-WMD, EMT **Director, Division of Requirements**



# The Public Health Emergency Medical Countermeasure Enterprise (PHEMCE)

<u>Organization</u> - HHS-led, mandated multiagency body

Intent – Advise on and coordinate federal development and preparedness of medicines and medical supplies to protect the American public during public health emergencies of all kinds [such as a deliberate anthrax attack, severe earthquake, or a pandemic].



#### Key

PHEMCE Mission Components

HHS PHEMCE Agencies

Non-HHS PHEMCE Agencies

Non-Federal Stakeholders

#### Acronyms

PHEMCE: Public Health Emergency Medical Countermeasure Enterprise

**DHS**: Department of Homeland Security

DoD: Department of Defense

USDA: U.S. Department of Agriculture

VA: Department of Veterans' Affairs

**HHS**: Department of Health and Human Services

**ASPR:** Assistant Secretary for Preparedness and Response

**BARDA**: Biomedical Advanced Research & Development Authority

**CDC**: Centers for Disease Control and Prevention

**FDA**: Food and Drug Administration **NIH**: National Institutes of Health



# **PHEMCE-related Authorities**

2004

#### **BioShield Act**

42 USC 247d-6b

- Gives Secretary authority for development of security (medical) countermeasures
- Establishes the Project
   BioShield Special Reserve
   Fund to pay for advanced
   research and development of
   novel MCMs
- Requires the SNS Annual Review

2006

Pandemic and All-hazards Preparedness Act

42 USC 300hh-10

- PAHPA
- Establishes ASPR authorities
- Gives ASPR the Biomedical and Advanced Research and Development Authority
- Assigns ASPR responsibility for MCM development under Project BioShield
- Assigns ASPR oversight of Strategic National Stockpile

2012

Pandemic and All-hazards
Preparedness
Reauthorization Act

42 USC 300hh-10

- PAHPRA
- Assigns PHEMCE Strategy and Implementation Plan to ASPR
- Assigns MCM Multi-year Budget to ASPR

2019

Pandemic and All-hazards
Preparedness and
Advancing Innovation Act

42 USC 300hh-10a

- PAHPAIA
- Establishes PHEMCE statutorily
- Names interagency members
- Assigns roles and responsibilities
- Establishes PHEMCE as an advisory body
- Shifts PHEMCE from advising ASPR to advising Secretary
- Assigns ASPR as chair of PHEMCE



# **PHEMCE Members\***



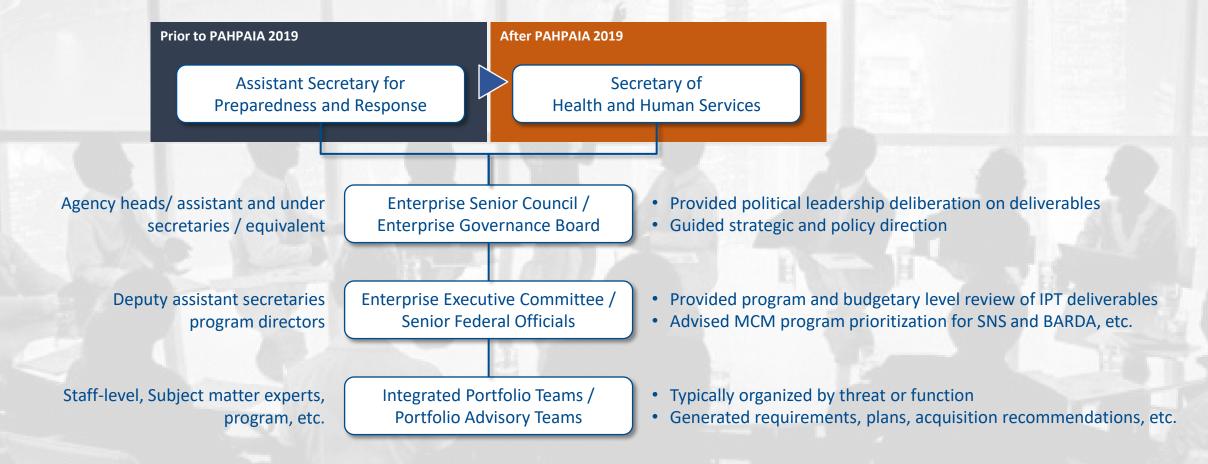
- ASPR "Chair"
- FDA commissioner
- CDC director
- NIH director
- Secretary of Agriculture

- Secretary of Defense
- Secretary of Veterans Affairs
- Director of National Intelligence
- Secretary of Homeland Security

\*42 USC 300hh-10a, Additional representatives can be determined by HHS Secretary, which may include BARDA director, SNS director, NIAID director, and CDC CPR director

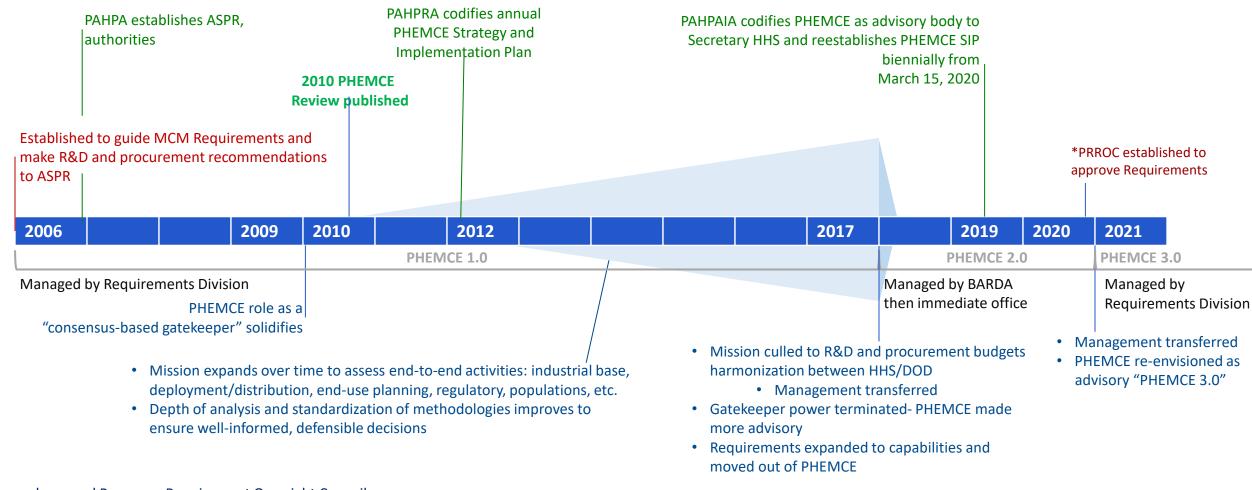


# **Past PHEMCE Organizational Structure**





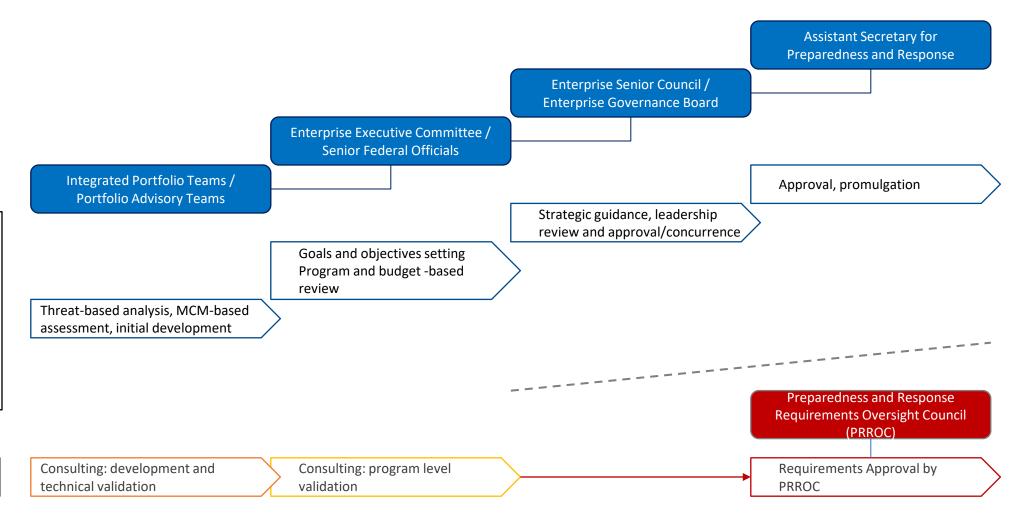
# **PHEMCE Brief History**







## **PHEMCE Past and Present Processes**



#### Past processes

#### **Deliverables**

- PHEMCE Strategy and Implementation Plan
- Threat portfolio assessments and Preparedness assessments
- SNS Annual Review
- Multi-year Budget
- Scenario Based Analyses and
- Product Specific Requirements
- Acquisition and MCM program recommendations

#### Currently established process

**Capability-based Requirements** 



## **Shared Documents**

#### Foundational Documents

- Charters
- Memoranda of understanding
- PHEMCE Review (publicly available)
- PHEMCE Strategy and Implementation Plan (SIP; publicly available)
- Government Accountability Office (GAO) recommendations (publicly available)

#### Process Documents

- PHEMCE strategic planning process
- SNS Annual Review processes
- Threat and preparedness assessment methodologies
- MCM requirement development process



# **RE-ENVISIONED PHEMCE AND SCOPE OF REVIEW**

Lara Lamprecht, DrPH Chief, PHEMCE Branch



### **Current PHEMCE Status**

- Re-establishing membership and organization
- Minimal operations pending ASPR decisions on
  - Organization
  - Decision support framework
  - Some administrative functions
- Conducting some program reviews and providing some recommendations to ASPR as needed



# PHEMCE Advisory and Coordination Roles in Support of Secretary



**Strategic and Policy Direction** 

- Identify and prioritize
  - Threats
  - MCM and operational gaps
  - MCM capability requirements/needs
- Consult on
  - Strategic goals
  - MCM-related authorities
  - Operational planning
  - Intended use
  - Cost efficient and cost-effective strategic investments
- PHEMCE Strategy and Implementation Plan (SIP)



**Budget Alignment/Harmonization** 

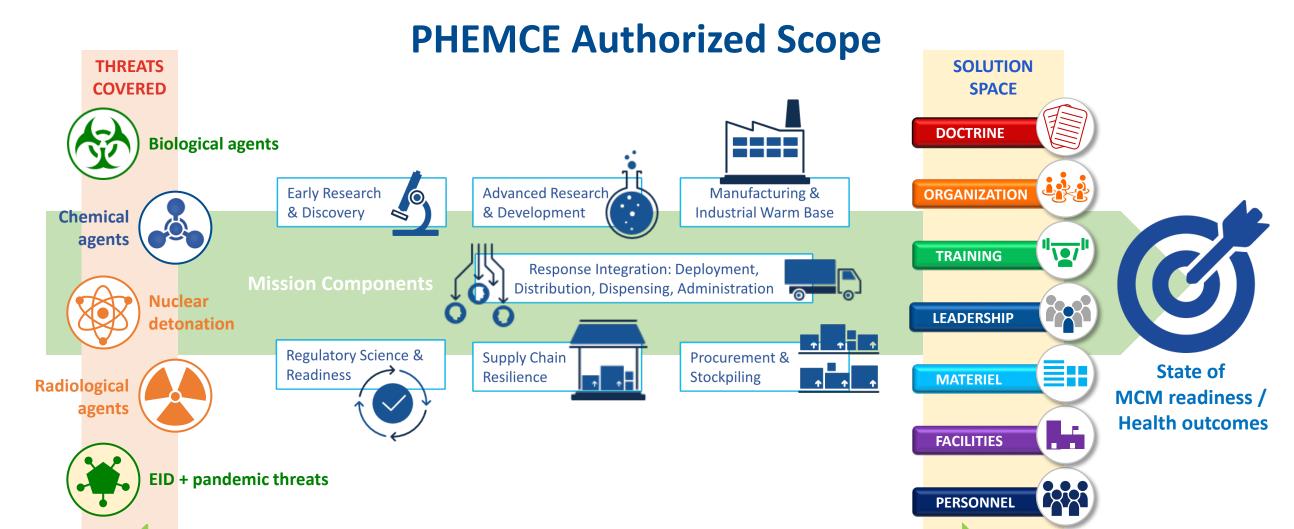
- Align interagency budgets to PHEMCE SIP / priorities
- Harmonize spending across programs (prevent budget gaps)
- Align MCM multi-year budget to SIP
- Coordinate interagency budget forecasting / planning
  - Maximize use of funds
  - Account for lifecycle costs
- Strategic National Stockpile (SNS) Annual Review
- MCM multi-year budget



**Program Coordination** 

- Sponsor interagency data analytics, threat and public health consequence assessment, etc.
- Coordinate and advise on
  - MCM research and development and acquisition programs
  - Requirement development
  - Operational planning
  - Stockpiling, Industrial base solutions, supply chain and commercial inventory
  - Deployment, distribution, dispensing, utilization
  - Regulatory issues
- Engagement with stakeholders: White House, OMB, Congress, SLTT, private sector





**QUANTITATIVE AND QUALITATIVE DATA ANALYTICS** 



# **Importance of PHEMCE Review**

- High visibility and expectations
  - Priority of the Executive and Legislative Branches (thus, American people)
  - PHEMCE advice must be actionable every time
- Good government
  - Cost-efficient and cost-effective use of taxpayers' money for MCMs
  - Institutionalize lessons from current incident (COVID)
  - Effective and efficient business operations
  - Proactive and strategic posture
- Health outcomes
  - Lifesaving provision and use of medicines and medical supplies
  - Potentially impact current pandemic or its effects



# **High-level and Complementary Engagement**



#### Recommendations

- Establish and document process plans
- Implement records management
- Engage Congress and SLTT stakeholders



#### Report

October 2021

- Review effectiveness of activities
- Recommendations: business practices, industrial base strategies, stakeholders

#### White House Expectations

- Focus on domestic industrial base and supply chain solutions
- Pandemic MCM considerations for SNS



#### Legislative Interest

- Funding support for medical countermeasure sustainability
- Ensure PHEMCE is authorized to do its mission





# Scope of the Review (Level of Analysis)

- |S...
  - Organizational design
  - Administrative policies
  - Organization of activities and outputs within a planning, programming, budget and execution (PPBE) model
  - Business processes
  - Ability to be prepared
  - Ability to support response quickly

- Is NOT...
  - PHEMCE member programs
  - ASPR organizational structure
  - Medical countermeasure prioritization
  - Medical countermeasure capability gaps
  - Threat or risk assessment
  - Current response activities



# **Initial Topics of Interest for Your Consideration**

- To ensure thorough end-to-end MCM lifecycle consideration
  - How to best matrix professional and technical experts in analytic workgroups
  - How to meaningfully integrate non-Federal professional and technical experts
- What evidence-based organizational models and processes would better support both long-term policy planning and urgent policy decision needs
- How we might better influence/impact/understand the industry economy to support government MCM preparedness mission
- How to better integrate economic analyses in planning, policy analysis and evaluation processes to inform business decisions
- How to further improve budget alignment with strategy; and budget harmonization among agencies and departments
- How to effectively consider health equity in each step of the MCM process



# **Questions?**



