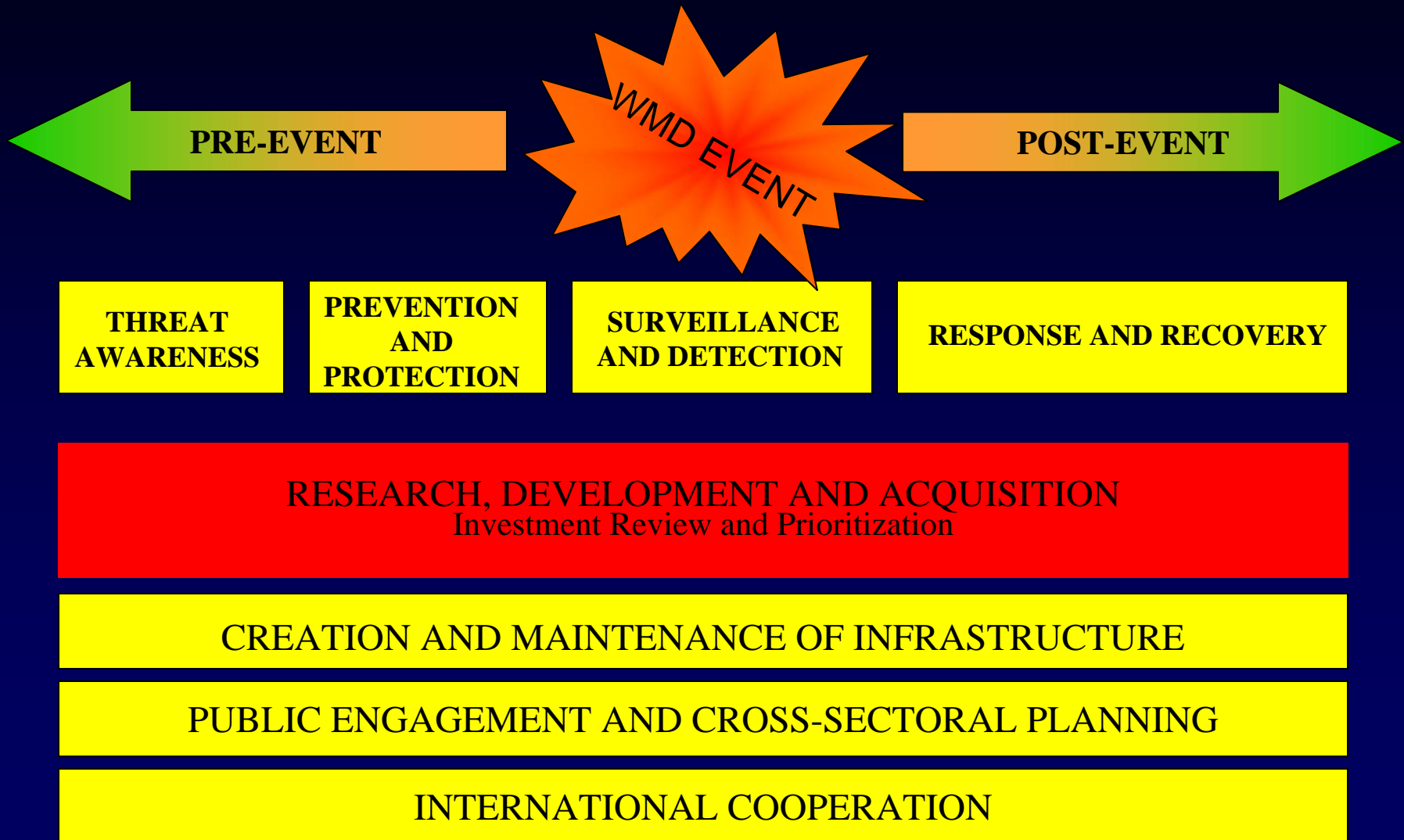


The Role of Countermeasures in a Comprehensive Biodefense Strategy

BioShield Stakeholders Workshop
25 September 2006

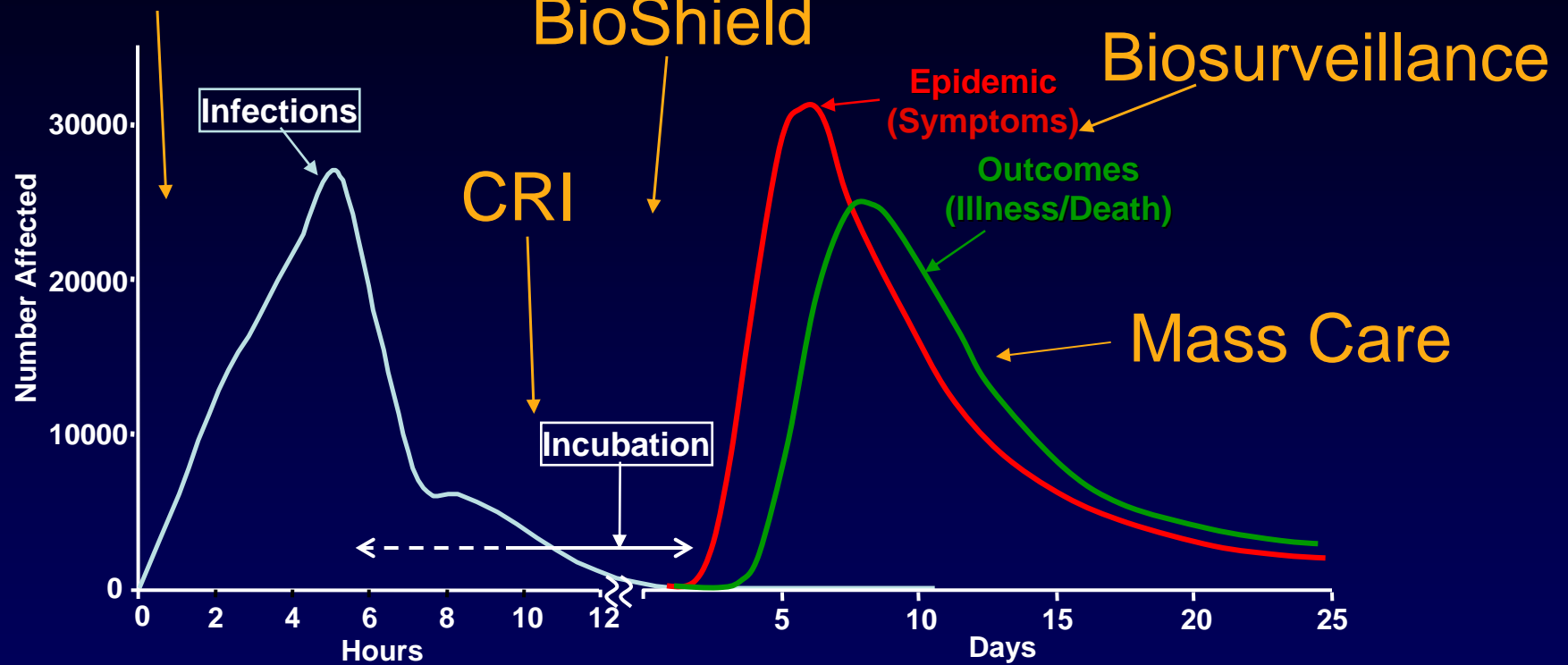
Rajeev Venkayya, M.D.
White House Homeland Security Council

The National Biodefense Strategy



Establishing a Layered Approach

BioWatch



Prevent

Warn

Protect

Contain

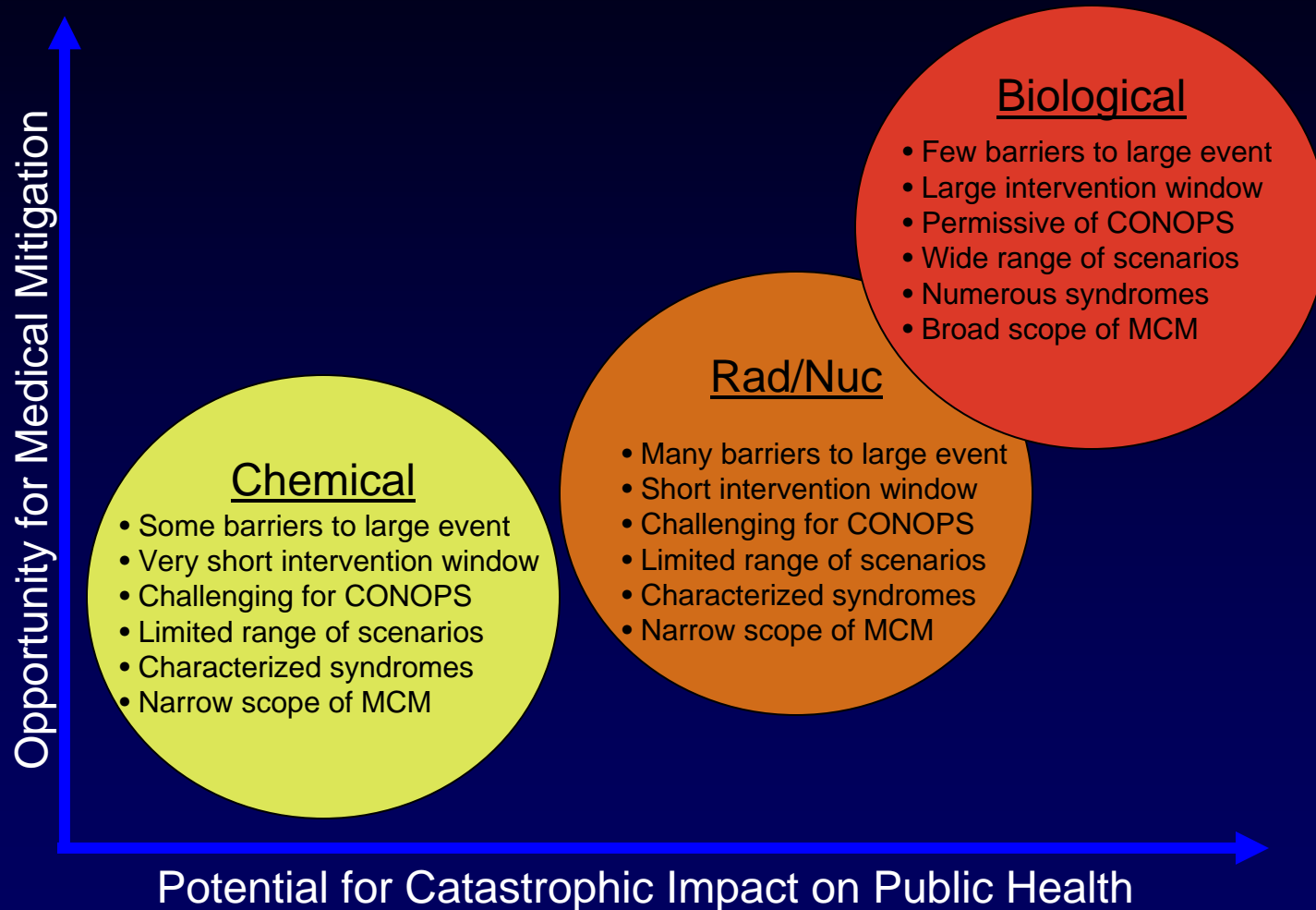
Treat

Biological Risk Assessment (DHS)

National Preparedness Goal

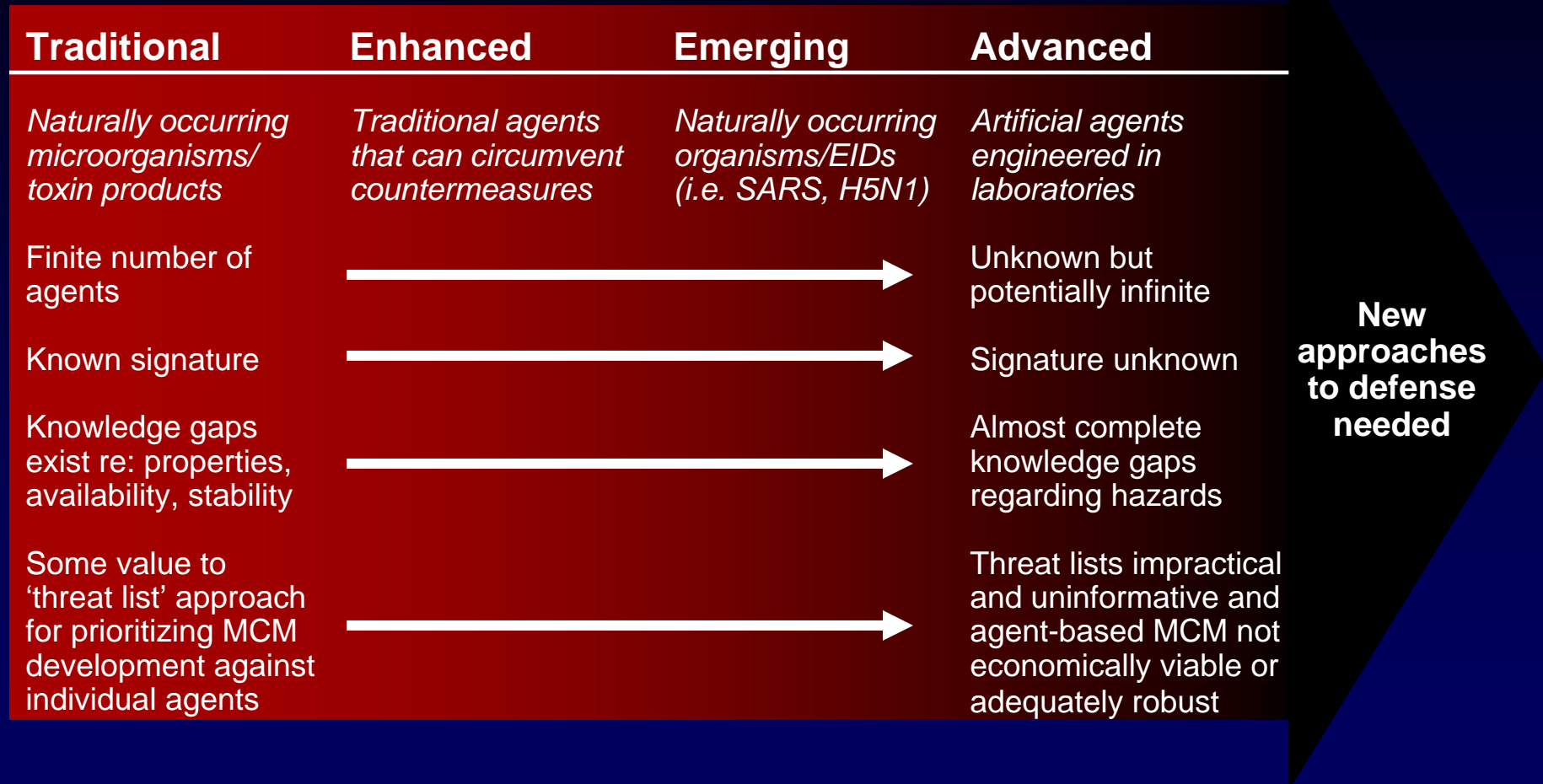
HHS and DHS Cooperative Agreements

Opportunities and Challenges in the MCM Enterprise



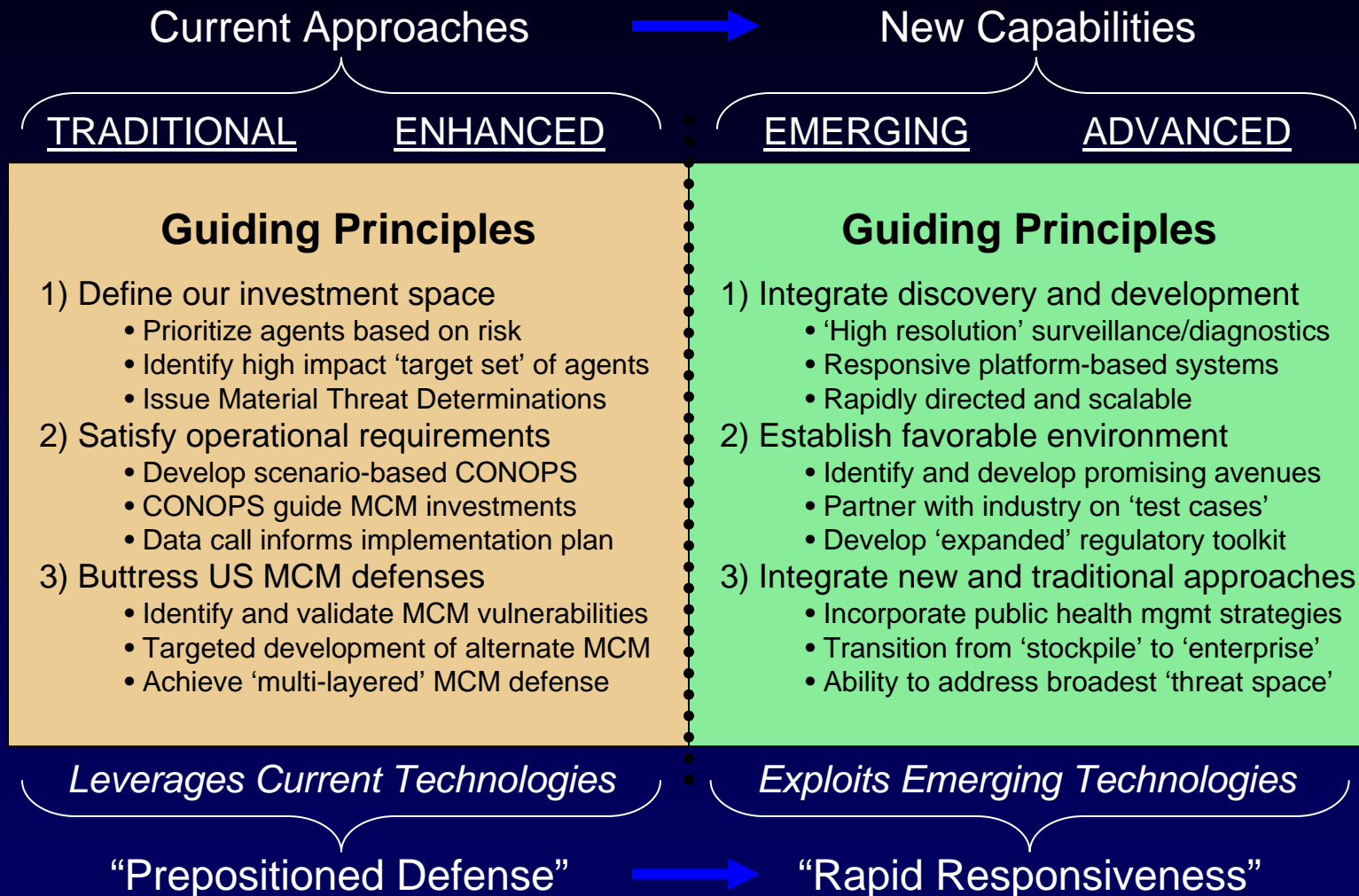
Medical Countermeasures are the 'Center of Gravity' for Mitigating Biological Risks

Notional Evolution of the Biological “Threat”



MCM ‘defense’ must evolve to address future inability to assess agent-based risks

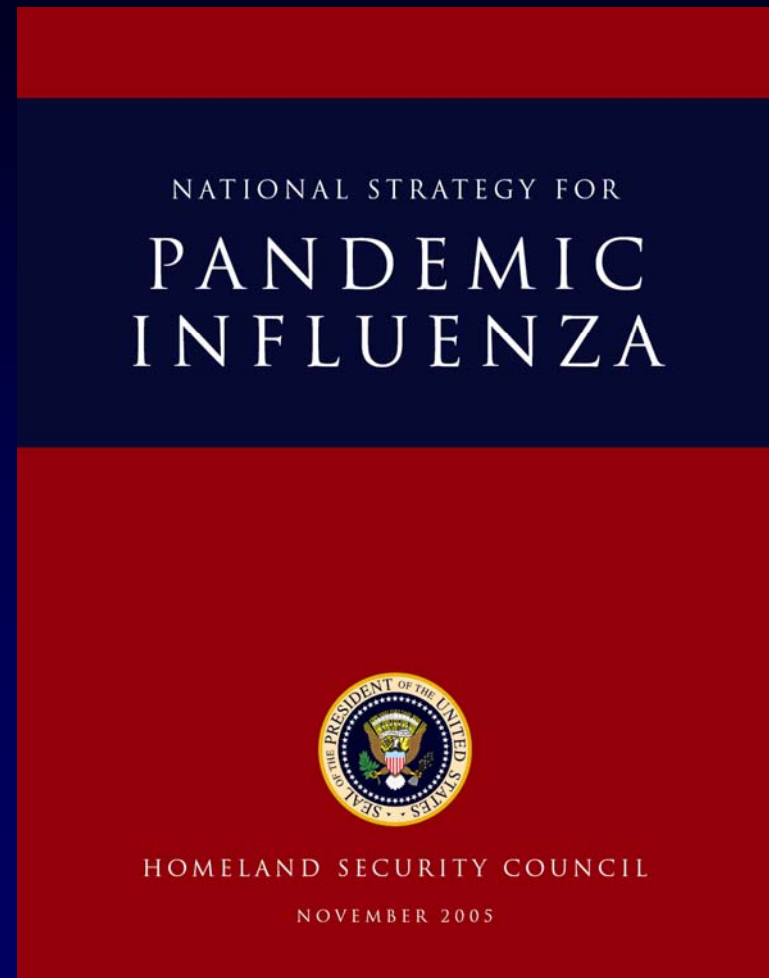
Proposed Transformation of our Biological “Defense”



These long-term objectives parallel those of public health, medicine and industry

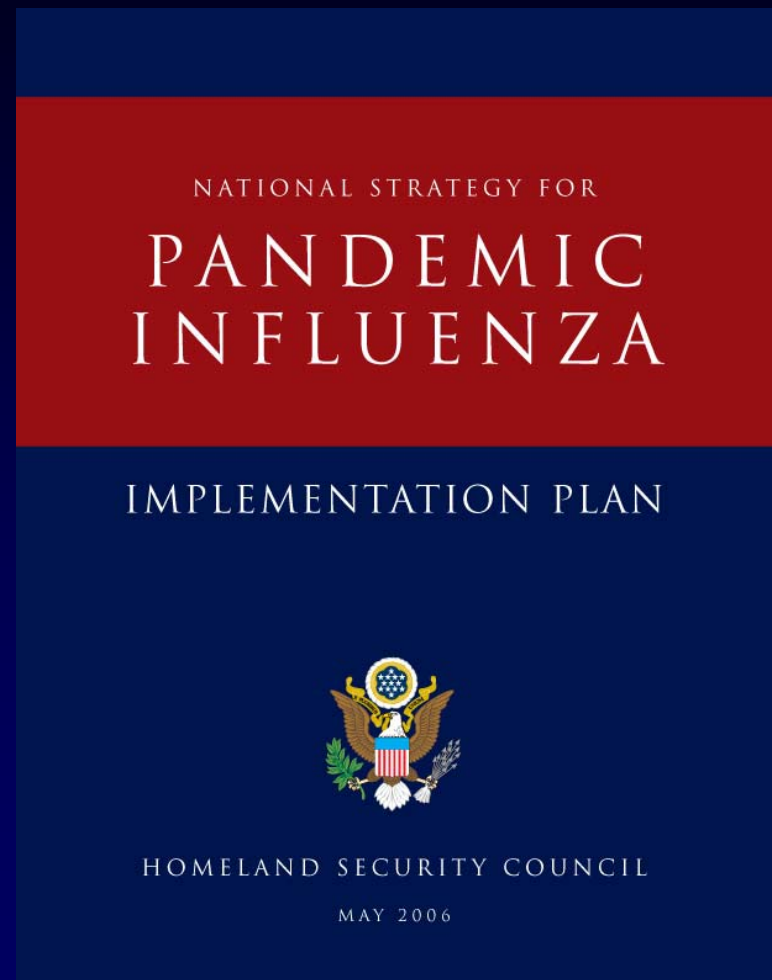
Lessons Learned From Pandemic Planning

- Strategy released on Nov 1, 2005
- Plan released on May 3, 2006
- Contains over 300 actions for Federal Departments and Agencies
- Provides guidance on implementation of the *Strategy*, the development of Department plans, and outlines specific roles and responsibilities of Departments and Agencies in pandemic preparedness and response
- Communicates expectations of non-Federal entities (State and local governments, private sector, critical infrastructure entities, individuals)



Lessons Learned From Pandemic Planning

- Frame as a national priority
- Establish a robust public-private partnership
- Address all barriers to execution
- Set clear expectations of non-Federal entities (State and local governments, private sector, critical infrastructure entities, individuals)
- Require cross-sectoral coordination



Establishing Sustainable Capacity

- Integration of:
 - Biodefense countermeasure efforts with efforts to establish novel countermeasures for naturally-occurring threats
 - Biodefense preparedness with overall public health preparedness
 - Public health and medical preparedness and response
 - Health response with the community-wide response
- Cross-sectoral planning and public-private partnerships at the local, State, Regional and Federal levels
- Demonstrable progress as a result of our investments
- Sustained commitment on the part of States and the Federal Government (Executive and Legislative branches) to the establishment and maintenance of an all-hazards preparedness and response capacity