

# **BARDA INDUSTRY DAY**



#### **BARDA DRIVe Solving Sepsis Program**

Kimberly Sciarretta, PhD Acting Program Manager – Solving Sepsis October 30, 2018

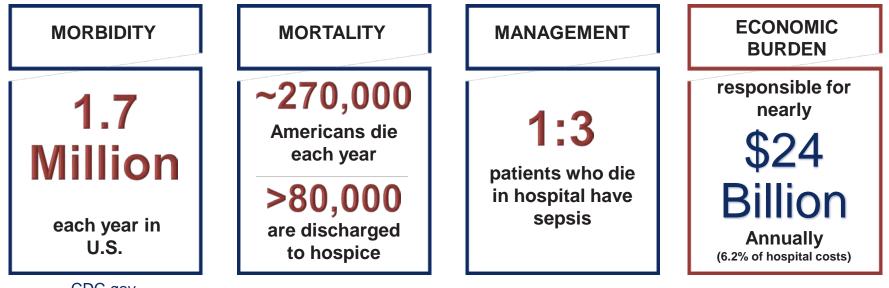


October 29-30, 2018 | Grand Hyatt • Washington, D.C.





## Why is DRIVe taking on Sepsis?



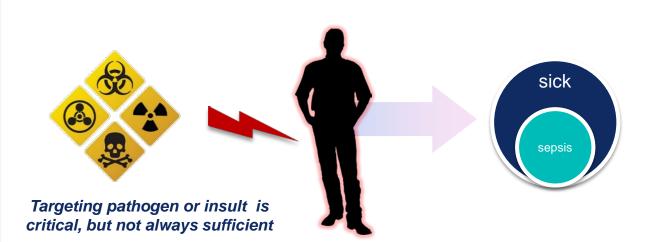
CDC.gov



# Sepsis is a secondary confounder that arises from primary insults and threatens our ability to protect our Nation

BARDA's Mission

Develop medical countermeasures against CBRN, influenza and emerging infectious disease threats, to minimize public health impact



Life-threatening <u>organ dysfunction</u> caused by a <u>dysregulated host response</u> to infection





Accelerate the development of transformative technologies and approaches to protect Americans from 21st century health security threats, including reducing the:

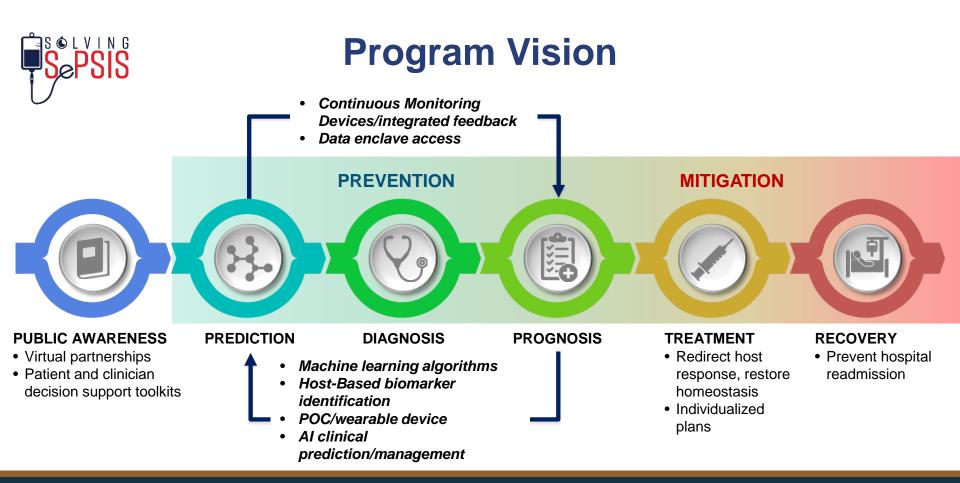


SČLVING

Time



associated with sepsis by investing in key strategic areas.





## The Importance of Data

#### **Establish Sepsis Data Enclave**



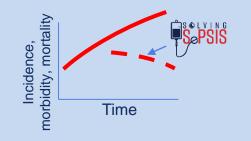
- Develop sepsis repository/distributed network
- Standardized, curated data
- Interrogate data with algorithms
- Exploit electronic health records

#### Leverage Data to Enhance Care



- Develop decision support toolkits
  - o Diagnostic
  - Prognostic: sepsis trajectory
  - o RT feedback on SOC
  - Individualized treatment based on patient profile
- Discover Host-Based Biomarkers
- Determine factors that lead to survival based on care protocol
- Stratify patient populations

#### **Measure Improved Outcomes**



- Develop sepsis metrics (incidence, morbidity, mortality, readmission) for baseline modeling
- Assess impact of prevention and mitigation approaches by monitoring changes over time CMS.gov



### How can you help solve Sepsis?

Partner with us to Solve Sepsis Submit to the Broad Agency Announcement (EZ-BAA)

Area of Interest #2



#### Sepsis Interests

- Innovative solutions
- Proof of concept or pilot programs to demonstrate potential for future investment
- Sepsis relevant
- Means to improve access and collaboration across disparate data systems

- Not interested in targeted pathogen approaches
  - All roads can lead to sepsis
  - Pathogen-specific therapeutic or diagnostic approaches, not of interest at this time

#### We are looking for catalytic not incremental approaches to Solving Sepsis!





# SOLVING SEPSIS TOGETHER



Novel Public Private Partnerships with USG, HealthCare and Industry is critical to our success!





# How to Engage

- Start a conversation!
  - Dr. Kim Sciarretta, Acting Program Manager- Solving Sepsis
    Kimberly.Sciarretta@hhs.gov
  - Dr. Tim Buchman, Advisor to Solving Sepsis, Tim.Buchman@hhs.gov
  - Dr. Steve Simpson, Advisor to Solving Sepsis, Steven.Simpson@hhs.gov
- Present your technology
  - https://www.medicalcountermeasures.gov/home.aspx Portal to BARDA: Register to request a TechWatch meeting
- Check out the DRIVe website for more information:
  - DRIVe.hhs.gov

