



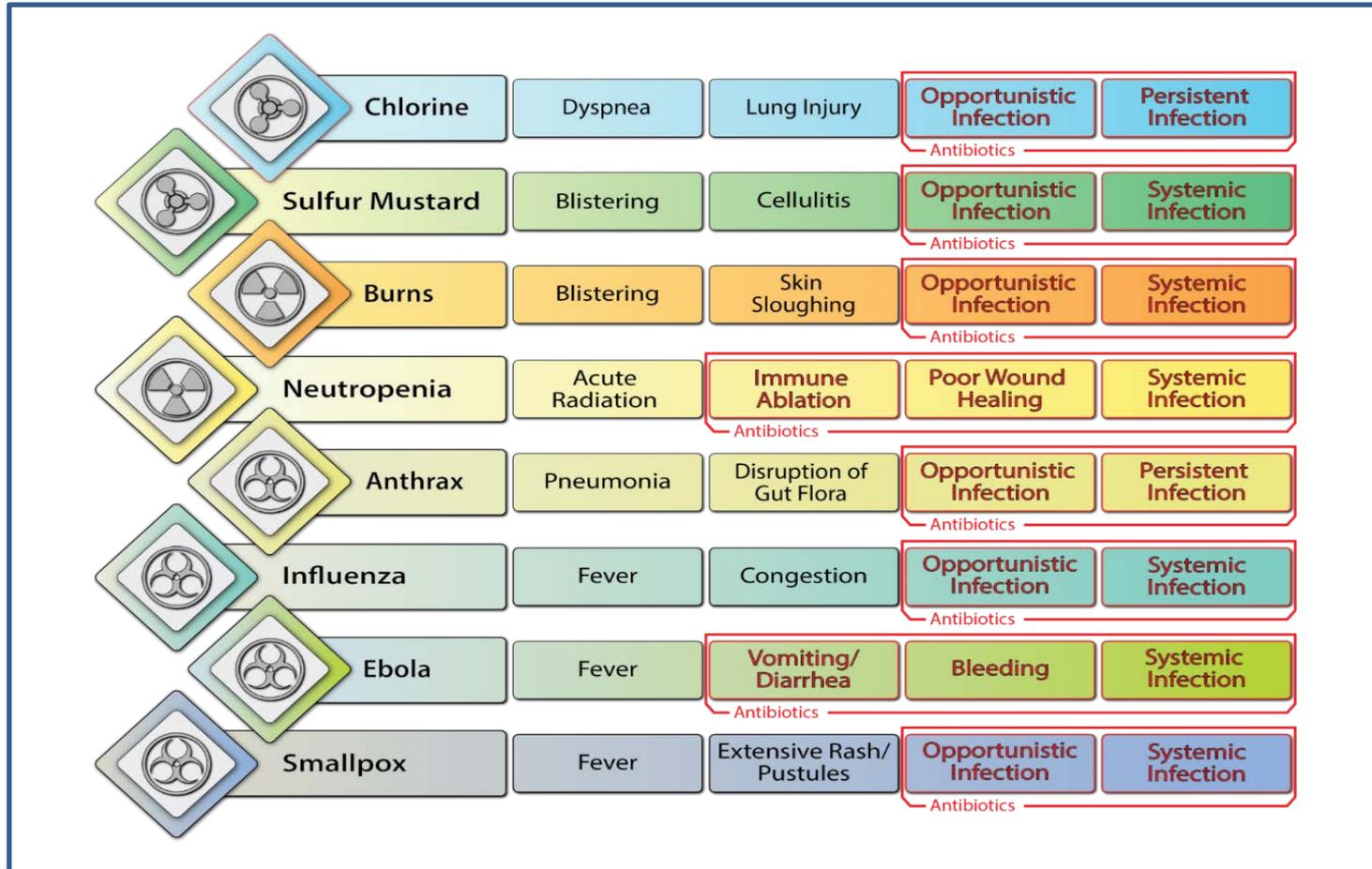
Repopulating the Antibacterial Pipeline

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Antibacterials Program
CBRN Division

BARDA Industry Day
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Why BARDA Supports Antibacterial Product Development



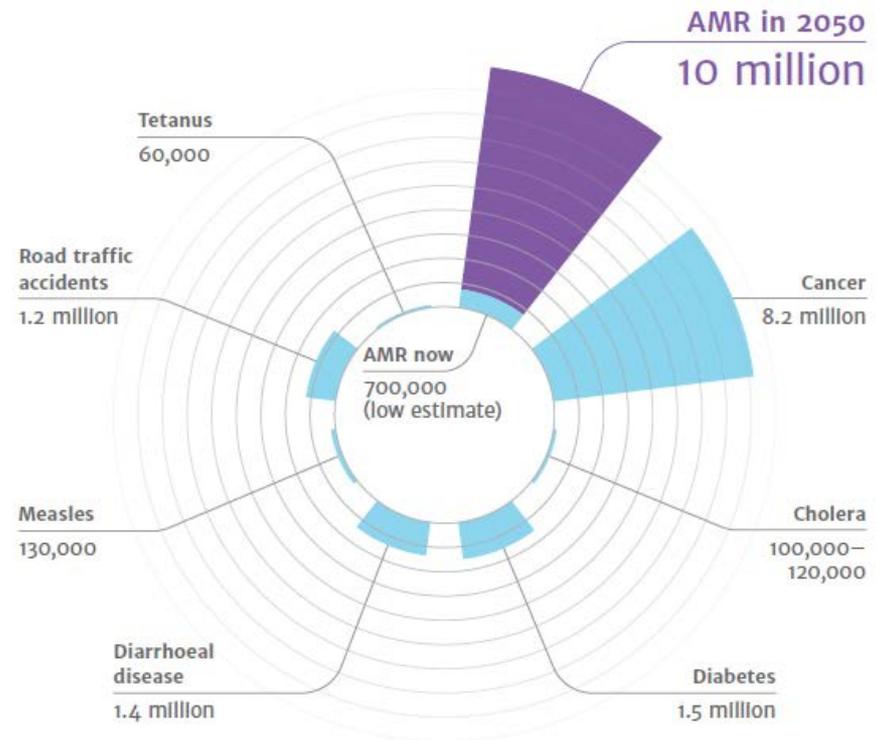


Antimicrobial Resistance is a Threat to National Security

Estimated minimum number of illnesses and deaths caused by antibiotic resistance*:

At least  **2,049,442** illnesses
 **23,000** deaths

CDC, 2013



O'Neill, 2016



Our Goal

Revitalize the antimicrobial pipeline by forming innovative public-private partnerships with companies engaged in antimicrobial product development





Our Partners





Looking Ahead





Our Priorities

Drug Class

- **Unprecedented**
 - Novel Target
 - Novel Chemistry
- **Precedented**
 - Reduced AR
- **Nontraditional Therapies**
 - mAbs, phage, host-based
- **Prevention/interdiction**
 - Vaccines
 - Microbiome

Biothreat

- *B. pseudomallei*
- *B. mallei*
- *F. tularensis*
- *Y. pestis*
- *B. anthracis*

Antibiotic Resistance

- CR *Enterobacteriaceae*
- MDR *A. baumannii*
- MDR *P. aeruginosa*
- ESBL *Enterobacteriaceae*
- *C. difficile*
- DR *N. gonorrhoea*
- VR *Enterococcus*
- MR *S. aureus*
- DR *S. pneumoniae*



Broad Agency Announcement

- **BAA-16-100-SOL-00001**, Area of Interest #3: Antimicrobial Therapeutics
- Develop and test antibacterial products that are in advanced development for post-exposure prophylaxis (PEP) and treatment efficacy against one or more biodefense threat agents (*Bacillus anthracis*, *Yersinia pestis*, *Francisella tularensis*, *Burkholderia mallei*, and *Burkholderia pseudomallei*).
- Develop **new small molecule drugs and nontraditional therapeutics** that treat or prevent resistant microbial infections either alone or in combination with another therapeutic
- Products should possess activity against one or more of the pathogens categorized as serious, urgent, or concerning threats in the September 2013 CDC Report titled [Antibiotic Resistance Threats in the United States, 2013](#).





Online Resources

<https://www.medicalcountermeasures.gov/home.aspx>

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

<https://www.fbo.gov/> ("FedBizOpps")

- Official announcements and info for all government contract solicitations

<https://www.usajobs.gov/>

- Join the team!

<https://www.phe.gov/about/BARDA/Pages/default.aspx>

- Program description, information, news, announcements



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Thank You!