

CDC—ANTIBIOTIC RESISTANCE

FY 2017 President's Budget Request | \$200 Million

The Antibiotic Resistance (AR) Solutions Initiative implements CDC's activities under the National Action Plan for Combating Antibiotic-Resistant Bacteria (CARB). The Initiative builds robust networks to track and stop the spread of AR threats, protects the effectiveness of antibiotics we already have, and spurs development of new interventions that can transform the way public health responds to AR.

- Stop spread of AR Pathogens
- Track AR threats and measure impact
- Support partnerships for prevention and detection

Priority Areas for Antibiotic Resistance Investments

- Expand State HAI- AR Prevention "Protect" Programs in up to 57 grantees to better track outbreaks, improve prescribing, and prevent AR infections across all healthcare settings
- Continue to support a "Detect" network of up to seven regional labs to characterize emerging resistance and rapidly identify outbreaks of dangerous AR threats
- Integrate antibiotic stewardship programs with sepsis early recognition programs, expand health communication efforts to educate about sepsis awareness and prevention, and target community AR threats
- Drive innovation through the CDC's Prevention EpiCenters network with academic research centers to conduct applied research on interventions for infection prevention
- Expand state public health laboratory capacity in every state to rapidly screen food-borne bacteria for resistance

Why We're Here

Over 2 million illnesses and 23,000 deaths are caused by antibiotic resistance each year. Bacteria will inevitably find ways of resisting antibiotics spread by humans, which is why aggressive action is needed now to keep new resistance from developing and to prevent the resistance that already exists from spreading.

An increase of \$40 million is requested above the FY16 level in CDC's FY 2017 Budget Request for year two of the AR Solutions Initiative. With this funding, CDC will expand the nation's ability to detect, respond to, and prevent antibiotic resistant (AR) infections across healthcare settings and in the community potentially in all 50 states, 6 large cities, and Puerto Rico.

Antibiotic Resistance Threats Impact



Initiative Highlights

Over five years, support detection and response for CDC's AR initiative will result in:

- Nationwide implementation of CDC Core Elements for Antibiotic Stewardship programs in inpatient, outpatient, and long-term care settings
- Critical new interventions that transform public health response to antibiotic resistance
- Up to 10 times more drug susceptibility testing for high-priority pathogens
- Better detection and response that transforms public health ability to respond to AR threats



Centers for Disease Control and Prevention