



# IOWA

## \$1,354,625

Funding for AR Activities  
Fiscal Year 2019

One local CDC fellow

HIGHLIGHTS

## FUNDING TO STATE HEALTH DEPARTMENTS



\$598,885

**RAPID DETECTION & RESPONSE:** State, territory, and local public health partners fight antibiotic resistance in healthcare, the community, and food. Programs use the AR Lab Network to rapidly detect threats and implement prevention, response, and antibiotic stewardship to stop the spread of resistant germs.

With 2018 funding, the Iowa Department of Public Health (IDPH) responded to three patients in one health facility with positive cultures for *Burkholderia* species. Iowa's State Hygienic Laboratory performed whole genome sequencing on isolates from these cases, confirming they were unrelated to *Burkholderia* cases in a neighboring state. This analysis enabled IDPH to focus on infection prevention practices within the reporting facility, and no additional cases have been reported.



\$176,699

**FOOD SAFETY** projects protect communities by rapidly identifying drug-resistant foodborne bacteria to stop and solve outbreaks and improve prevention.

Iowa uses whole genome sequencing to track and monitor local outbreaks of *Listeria*, *Salmonella*, *Campylobacter*, and *E. coli* and uploads sequence data into PulseNet for nationwide monitoring of outbreaks and trends. In Fiscal Year 2020, Iowa will continue monitoring these isolates for resistance genes. When outbreaks are detected, local CDC-supported epidemiologists investigate the cases to stop spread.

## FUNDING TO UNIVERSITIES & HEALTHCARE PARTNERS



\$579,041

**UNIVERSITY OF IOWA: Discovering & Implementing What Works**

The Modeling Infectious Diseases in Healthcare Network (MInD-Healthcare) is a virtual laboratory where researchers can investigate factors that drive spread of HAIs and simulate prevention strategies to estimate their benefits in a timely and cost-effective manner. Investigators will use data to inform regional health policy decisions for hospital interventions by examining transfer of patients between facilities. [Learn more: www.cdc.gov/hai/research](http://www.cdc.gov/hai/research)