

# AR Solutions *In Action*

CDC's Investments to Combat Antibiotic Resistance Threats

FISCAL YEAR

2021



IOWA

\$2,855,176

Funding for AR Activities  
Fiscal Year 2021

One local CDC AR expert

CDC Prevention Epicenter

HIGHLIGHTS

## FUNDING TO STATE HEALTH DEPARTMENTS



\$800,598

**RAPID DETECTION & RESPONSE:** State, territory, and local public health partners fight AR in healthcare, the community, and food.

Programs use the AR Lab Network to rapidly detect threats and then implement prevention, response, and antibiotic stewardship to stop the spread of resistant germs. Additional resources, appropriated to CDC to fight COVID-19, will also help in the fight against AR by improving infection prevention and control in healthcare facilities.



\$160,344

**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 *Escherichia coli* and uploads sequence data into PulseNet for nationwide monitoring of outbreaks and trends. In Fiscal Year 2021, Iowa continued 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



\$1,344,234

**UNIVERSITY OF IOWA: CDC Prevention Epicenter**

The Prevention Epicenters Program is a collaborative network between public health and experts in relevant fields of HAI and AR that responds to research priorities to protect patients. The network conducts research to support the translation of innovative IPC strategies for preventing HAIs, AR, and other adverse events in all healthcare settings. This work is funded by resources appropriated to CDC to support its response to COVID-19.

[Learn more: www.cdc.gov/hai/epicenters](http://www.cdc.gov/hai/epicenters)



\$550,000

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

The Modeling Infectious Diseases in Healthcare Network (MIND-Healthcare) is a network of leading U.S. modelers that responds to evolving public health needs in healthcare settings by predicting outbreaks and investigating intervention strategies. The network develops and applies computational tools and mathematical methods for preventing HAIs, including those caused by AR pathogens. This work is also funded in part by resources appropriated to CDC to support its response to COVID-19. [Learn more: https://www.cdc.gov/hai/research](https://www.cdc.gov/hai/research)

CDC provides critical support in the U.S. and abroad to protect people from antibiotic resistance.

[ARinvestments.cdc.gov](http://ARinvestments.cdc.gov)



U.S. Department of  
Health and Human Services  
Centers for Disease  
Control and Prevention