

IOWA

\$1,302,228



Funding for AR Activities
Fiscal Year 2017

FUNDING TO STATE HEALTH DEPARTMENTS



\$446,964

RAPID DETECTION & RESPONSE to emerging drug-resistant germs is critical to contain the spread of these infections.

With 2016 funding, Iowa identified and rapidly contained a cluster of IMP-producing Enterobacteriaceae cases. The IMP enzyme can make bacteria resistant to last-resort antibiotics. The HAI/AR program assessed for transmission, conducted multiple on-site investigations, coordinated with the public health lab for molecular testing and successfully contained the outbreak.



\$271,167

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

Iowa implemented whole genome sequencing of *Listeria*, *Salmonella*, *Campylobacter* and *E. coli* isolates submitted to its lab and began uploading sequence data into PulseNet for nationwide monitoring of outbreaks and trends. In Fiscal Year 2018, Iowa will begin simultaneously 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



\$584,097

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. For example, investigators will assess the effectiveness of hospital-based interventions through the simulated spread of HAIs. Learn more: www.cdc.gov/hai/research/MIND-Healthcare