

AR Solutions In Action

CDC's Investments to Combat Antimicrobial Resistance Threats

FISCAL YEAR

2023

CDC Prevention Epicenter

IOWA

\$3,524,406

Funding for AR Activities
Fiscal Year 2023

FUNDING TO HEALTH DEPARTMENTS



Rapid Detection & Response: State, territory, and local public health partners fight AR in health care, the community, and food.

\$875,925

CDC-funded HAI/AR Programs form a network of health departments that detect, prevent, respond to, and contain HAI/AR threats and promote appropriate use of antibiotics and antifungals. CDC's AR Lab Network provides nationwide lab capacity to rapidly detect AR and inform local prevention and response activities to stop the spread of antimicrobial-resistant germs and protect people.



\$132,552

Food Safety projects protect communities by rapidly identifying antimicrobial-resistant foodborne bacteria to stop and solve outbreaks and improve prevention.

Iowa uses whole genome sequencing to track local outbreaks of *Listeria*, *Salmonella*, *Campylobacter*, *Shigella*, and *Escherichia coli*, identifies AR genes, and shares surveillance data with PulseNet. When outbreaks are detected, local CDC-supported epidemiologists respond to stop their spread.

FUNDING TO UNIVERSITIES & HEALTHCARE PARTNERS



\$1,480,929

University of Iowa: CDC Prevention Epicenter

The Prevention Epicenters Program is a collaborative network of 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, the spread of AR, and other adverse events in all healthcare settings. Learn more: www.cdc.gov/hai/epicenters

The AR Investment Map includes data from CDC's largest funding categories for AR. It represents extramural funding that supports AR activities from multiple funding lines in CDC's annual appropriations. Some work received full or partial funding from one-time supplemental appropriations. See the fiscal year 2023 AR Investment Map Supplemental Funding Fact Sheet for more information.

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AR: antimicrobial resistance
COVID-19: coronavirus disease 2019
HAI: healthcare-associated infection
IPC: infection prevention and control

NHSN: National Healthcare Safety Network
STD: sexually transmitted disease
STI: sexually transmitted infection

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

ARinvestments.cdc.gov



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

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IOWA - AR Investments (cont.)



\$660,000

University of Iowa: Discovering & Implementing What Works

The Modeling Infectious Diseases in Healthcare Network (MInD-Healthcare) responds to evolving public health needs in healthcare settings by conducting transmission modeling research and assessing high-impact intervention strategies. Experts develop models of HAI risks, assess the effects of HAI transmission, and develop mathematical models that aid surveillance and response.

Learn more: www.cdc.gov/hai/research/MIND-Healthcare.html



\$375,000

University of Iowa: Discovering & Implementing What Works

CDC partners protect Americans by improving the safety and quality of health care. This includes supporting IPC implementation, enhancing healthcare facility design, and facilitating IPC materials and device use. CDC partners also work to improve approaches to healthcare worker training and competency assessment, as well as strengthen health department support of healthcare IPC and outbreak response.

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