

North Carolina

\$4,844,379

Funding for AR Activities
Fiscal Year 2024

CDC Prevention Epicenter

Funding to Health Departments



\$89,472

AR Laboratory Network: Labs detect, support response to, and prevent the spread of AR threats across the nation—and inform innovations to detect AR.

CDC's AR Lab Network provides nationwide lab capacity to detect AR and inform local prevention and response activities to stop the spread of antimicrobial-resistant germs and protect people. Collaboration from the local to national levels results in more rapid response for detecting AR and closes the gap between local capabilities and the data needed to combat AR in the United States.

Learn more: www.cdc.gov/antimicrobial-resistance-laboratory-networks/php/about/domestic.html



\$261,442

Fighting AR in Health Care: State, territory, and local public health partners prevent HAIs, support rapid detection and response, and improve antibiotic use.

CDC-funded HAI/AR Programs form a network of health departments that prevent, respond to, and contain HAI/AR threats and promote appropriate use of antibiotics. HAI/AR programs protect patients and healthcare personnel, improve healthcare safety and quality, and use data-driven prevention strategies to combat AR threats in health care.

Learn more: www.cdc.gov/healthcare-associated-infections/programs/index.html



\$173,880

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

North Carolina uses whole genome sequencing to track local outbreaks of *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.

Learn more: www.cdc.gov/food-safety/foods/antimicrobial-resistance.html

The AR Investment Map includes data from CDC's largest funding categories for AR. It represents fiscal year 2024 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.

AR: antimicrobial resistance
HAI: healthcare-associated infection
IPC: infection prevention and control

NHSN: National Healthcare Safety Network
STI: sexually transmitted infection

CDC provides critical support to protect people from antimicrobial resistance.

ARinvestments.cdc.gov





\$398,408

Drug-resistant Gonorrhea Programs work with state and local epidemiology and laboratory partners to test for and quickly respond to resistant gonorrhea to stop its spread in high-risk communities. Only one recommended treatment option remains for gonorrhea and resistance to other antibiotics continues to grow.

Combating Antimicrobial Resistant Gonorrhea and Other STIs (CARGOS) focuses on monitoring trends in antimicrobial susceptibilities of gonorrhea and STIs in the U.S. and strengthening state and local capacity for rapid detection of and response to threats of antimicrobial-resistant gonorrhea and STIs.

Learn more: www.cdc.gov/sti/php/projects/cargos.html

Funding to Universities & Healthcare Partners



\$599,867

Duke University: CDC Prevention Epicenter

The Prevention Epicenters Program is a collaborative network of public health and healthcare experts that responds to HAI and AR research priorities to protect patients. The network conducts research to support the translation of innovative IPC strategies for preventing HAIs, stopping the spread of AR, and preventing other adverse events in all healthcare settings.

Learn more: www.cdc.gov/healthcare-associated-infections/php/prevention-epicenters/index.html



\$338,231

North Carolina State University: 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 improve approaches for predicting how people get infections in health care, optimizing surveillance and IPC, and exploring how genetic mutations in germs impact their ability to survive.

Learn more: www.cdc.gov/healthcare-associated-infections/php/research/mind-healthcare.html



\$13,079

Duke University: Innovative Prevention & Tracking

A Duke University expert works with CDC investigators to provide clinical, research, and patient safety/quality improvement expertise in the field of inpatient hematology/thrombosis. These efforts assist experts in identifying, developing, and implementing automated methods of data collection and reporting of patient safety events to NHSN.



\$2,970,000

Research Triangle Institute (RTI International): Innovative Prevention & Tracking

CDC's Project Firstline is a collaborative of partners that provides innovative and effective IPC training for U.S. healthcare workers and the public health workforce. It offers resources in a variety of formats to meet the diverse learning needs and preferences of those working to ensure safe care in healthcare settings. Partners host events, create tools, and publish resources to help frontline healthcare workers better understand and apply IPC correctly.

Learn more: www.cdc.gov/project-firstline/index.html

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