

Maryland

\$11,180,073

Funding for AR Activities
Fiscal Year 2025

Two CDC Prevention Epicenters

One of 10 sites for the Emerging
Infections Program

Funding to Health Departments



\$1,835,793

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

Maryland identifies and responds to AR threats through testing for carbapenemase production and resistance mechanisms in carbapenemase-producing organisms (CPOs). Maryland supports the AR Lab Network Mid-Atlantic Region through antimicrobial susceptibility testing, whole genome sequencing, and colonization screening for CPOs and *Candida auris*. Maryland serves as a reference laboratory for *Neisseria gonorrhoeae* and *Aspergillus fumigatus*. Learn more: www.cdc.gov/antimicrobial-resistance-laboratory-networks/php/about/domestic.html



\$606,267

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



\$281,876

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

Maryland 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. Maryland conducts active, population-based surveillance for foodborne diseases through CDC's Emerging Infections Program. 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 extramural funding that supports AR activities from multiple funding lines in CDC's 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





\$120,000

Fungal Disease Projects improve our ability to track resistance to antifungals and stop it from spreading.

Maryland conducts surveillance to identify fungal diseases, monitors for new and emerging AR, and implements strategies to prevent the spread of AR in high-risk areas. Maryland conducts population-based surveillance for *Candida* bloodstream infections through CDC's Emerging Infections Program.

Learn more: www.cdc.gov/fungal/antimicrobial-resistant-fungi/



\$1,310,816

The Emerging Infections Program (EIP) HAI Component helps answer critical questions about emerging HAI threats, advanced infection tracking methods, and AR in the United States.

The Maryland EIP performs population-based surveillance for *Clostridioides difficile*, invasive *Staphylococcus aureus*, and resistant gram-negative bacteria. They also conduct HAI and antimicrobial use prevalence surveys and surveillance for invasive *Escherichia coli* infections to support vaccine evaluation.

Learn more: www.cdc.gov/healthcare-associated-infections/php/haic-eip/index.html



\$75,000

Emerging Infections Program (EIP) sites improve public health by translating population-based surveillance and research activities into informed policy and public health practice.

Active Bacterial Core surveillance (ABCs) is an active laboratory- and population-based surveillance system for invasive bacterial pathogens of public health importance. ABCs provides infrastructure for further public health research, which may include special studies to identify disease risk factors, evaluate vaccine efficacy, and monitor the effectiveness of infection prevention policies.

Learn more: www.cdc.gov/abcs

Funding to Universities & Healthcare Partners



\$599,242

Johns Hopkins 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



\$597,079

University of Maryland: CDC Prevention Epicenter

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



\$3,314,000

Association of Public Health Laboratories:

Experts support CDC and the AR Lab Network by helping to build a strong AR workforce in public health, developing and amplifying messaging about AR Lab Network resources to relevant clinical partners, and developing and maintaining information technology solutions for reporting data from the AR Lab Network to submitting facilities, jurisdictional public health laboratories, infection prevention programs, and CDC.

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\$1,000,000

Association of Public Health Laboratories: Global Expertise & Capacity Enhancements

CDC's global work to combat AR helps prevent the importation of AR threats into the United States. Experts support CDC and global partners to develop whole genome sequencing and bioinformatics capacity to collect, track, and report data on enteric (gut) bacteria and AR in the African, Asia-Pacific, Eastern European and Central Asian, and Middle Eastern regions. This work is part of CDC's Global AR Lab and Response Network.

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



\$300,000

Association of Public Health Laboratories: Global Expertise & Capacity Enhancements

CDC's global work to combat AR helps prevent the importation of AR threats into the United States. Experts support CDC and global partners to develop information technology solutions for collecting, tracking, and reporting data within the Global AR Lab and Response Network, within the Global Action in Healthcare Network, and to CDC.

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



\$180,000

Association of Public Health Laboratories: Global Expertise & Capacity Enhancements

CDC's global work to combat AR helps prevent the importation of AR threats into the United States. Experts work with local labs in Kenya on environmental surveillance of antimicrobial-resistant *Escherichia coli* in drinking water, drinking water sources, and environmental water and assess risk factors for exposure to antimicrobial-resistant pathogens to improve infection prevention measures. This work is part of CDC's Global AR Lab and Response Network.

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



\$435,000

Association of Public Health Laboratories: Global Expertise & Capacity Enhancements

CDC's global work to combat AR helps prevent the importation of AR threats into the United States. Experts strengthen microbiology testing capacity at the two main refugee camps in Kenya for primary diagnosis and improved detection of AR.



\$250,000

Global Scientific Solutions for Health: Global Expertise & Capacity Enhancements

CDC's global work to combat AR helps prevent the importation of AR threats into the United States. Experts support surveillance for antimicrobial-resistant *Neisseria meningitidis* – the cause of meningococcal disease – in Burkina Faso, Niger, and Togo to guide public health decision making and tracking and responding to the threat of meningococcal disease outbreaks in the region. This work is part of CDC's Global AR Lab and Response Network.

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



\$275,000

Johns Hopkins University: Global Expertise & Capacity Enhancements

CDC's global work to combat AR helps prevent the importation of AR threats into the United States. Experts work in India as part of the Global Action in Healthcare Network (GAIHN), developing a network to address emerging infectious disease threats in healthcare facilities through rapid detection and collaborative surveillance, prevention, and response. GAIHN addresses AR in health care as part of CDC's Global AR Lab and Response Network.

Learn more: www.cdc.gov/international-infection-control/hcp/about/gaihn-ar.html

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