



## Maryland

### \$10,254,961

Funding for AR Activities  
Fiscal Year 2024

One local CDC-supported fellow

Two CDC Prevention Epicenters

Regional Lab for the AR Lab Network  
(Mid-Atlantic)

One of 10 sites for the Emerging  
Infections Program

## Funding to Health Departments



\$1,404,541

**AR Laboratory Network:** Regional labs boost state and local testing capacity and technology to detect, support response to, and prevent 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 (AST), whole genome sequencing, and colonization screening for CPOs and *Candida auris*. Maryland serves as a reference laboratory for *Neisseria gonorrhoeae* AST and *Aspergillus fumigatus* surveillance.

Learn more: [www.cdc.gov/antimicrobial-resistance-laboratory-networks/php/about/domestic.html](http://www.cdc.gov/antimicrobial-resistance-laboratory-networks/php/about/domestic.html)



\$267,081

**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](http://www.cdc.gov/healthcare-associated-infections/programs/index.html)



\$282,379

**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. The Food Safety Center of Excellence supports health departments to track and investigate foodborne diseases. 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](http://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](http://ARinvestments.cdc.gov)





\$100,000

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

Maryland conducts surveillance to identify fungal diseases, monitor for new and emerging AR, and implement 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](http://www.cdc.gov/fungal/antimicrobial-resistant-fungi)

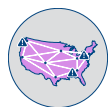


\$1,162,373

**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](http://www.cdc.gov/healthcare-associated-infections/php/haic-eip/index.html)



\$75,000

**The 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](http://www.cdc.gov/abcs)

## Funding to Universities & Healthcare Partners



\$843,827

**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](http://www.cdc.gov/healthcare-associated-infections/php/prevention-epicenters/index.html)



\$844,444

**University of Maryland: CDC Prevention Epicenter**

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





**\$600,000**

**The One Health Trust (formerly the Center for Disease Dynamics, Economics, and Policy): 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 assess patients at risk of encountering pathogens, develop transmission models, and evaluate the effectiveness of IPC interventions.

Learn more: [www.cdc.gov/healthcare-associated-infections/php/research/mind-healthcare.html](http://www.cdc.gov/healthcare-associated-infections/php/research/mind-healthcare.html)



**\$4,675,316**

**Association of Public Health Laboratories: Innovative Prevention & Tracking**

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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