



Michigan

\$3,003,583

Funding for AR Activities
Fiscal Year 2025

AR Lab Network's National Tuberculosis
Molecular Surveillance Center

One of 10 sites for the Emerging
Infections Program

Funding to Health Departments



\$1,726,772

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

Since implementing whole genome sequencing (WGS) for *Mycobacterium tuberculosis* in 2018, the National Tuberculosis Molecular Surveillance Center has sequenced 57,711 isolates from culture-confirmed cases of tuberculosis in the United States. Using national molecular surveillance data, 4,262 clusters of patients infected with genetically similar strains of *M. tuberculosis* have been identified. The national WGS data are used not only to detect and support outbreak investigations but also for surveillance of resistance to develop new assays and improve existing methods for the rapid detection of drug resistance and develop or modify testing algorithms.

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



\$594,149

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



\$207,167

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

Michigan 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 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





\$257,719

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.

Combatting 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



\$217,776

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 Michigan EIP performs population-based surveillance for invasive *Escherichia coli* infections to support vaccine evaluation.

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

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