

# AR Solutions *In Action*

CDC's Investments to Combat Antimicrobial Resistance Threats

FISCAL YEAR  
**2022**

## COLORADO

### \$2,986,132

Funding for AR Activities  
Fiscal Year 2022

One of ten sites for the  
Emerging Infections Program

HIGHLIGHTS

## FUNDING TO STATE HEALTH DEPARTMENTS



\$752,173

**RAPID DETECTION & RESPONSE:** State, territory, and local public health partners fight AR in health care, the community, and food.

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 resistant germs and protect people.



\$373,162

**FOOD SAFETY** projects protect communities by rapidly identifying antimicrobial-resistant foodborne bacteria to stop and solve outbreaks and improve prevention.

Colorado uses whole genome sequencing to track and monitor local outbreaks of *Listeria*, *Salmonella*, *Campylobacter*, and *Escherichia coli* and uploads sequence data into PulseNet for nationwide monitoring of outbreaks and trends. In fiscal year 2022, Colorado continued monitoring these isolates for resistance genes and local CDC-supported epidemiologists investigate outbreaks to stop spread. Colorado's Food Safety Center of Excellence supports other health departments to build capacity to track and investigate foodborne diseases.



\$117,276

**FUNGAL DISEASE** projects improve our ability to track resistance to antifungals and stop it from spreading.

With funding for fungal disease surveillance, Colorado increased their ability to identify fungal diseases, monitor for new and emerging resistance, and implement strategies to prevent its spread in high-risk areas. Improving detection for fungal diseases, like *Candida auris*, means patients receive appropriate treatment while reducing unnecessary antibiotic use.



\$863,928

**GONORRHEA RAPID DETECTION & RESPONSE** works 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 treatment option remains for gonorrhea and resistance continues to grow.

Strengthening the United States Response to Resistant Gonorrhea (SURRG) conducts rapid testing and quick responses to resistant gonorrhea cases in high-burden communities. This data also helps inform national treatment guidelines for gonorrhea through the Gonococcal Isolate Surveillance Project (GISP). SURRG awardees established a state-level antibiotic-resistant gonorrhea Center of Excellence, developed a state-level gonorrhea treatment failure reporting portal and outbreak response plan, and piloted molecular testing to look for markers of gonorrhea resistance.

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

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



U.S. Department of  
Health and Human Services  
Centers for Disease  
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## COLORADO AR Investments (cont.)



**\$879,593**

**EMERGING INFECTIONS PROGRAM (EIP) sites improve public health by translating population-based surveillance and research activities into informed policy and public health practice.**

The Colorado EIP performs population-based surveillance for candidemia, *Clostridioides difficile*, invasive *Staphylococcus aureus*, and resistant gram-negative bacteria; conducts HAI and antimicrobial use prevalence surveys; and is completing a project on SARS-CoV-2 infections in healthcare personnel. As part of Colorado's EIP FoodNet activities, they collect case information associated with antimicrobial-resistant infections and work with laboratories to prioritize sequencing of cases with exposure and antimicrobial use information.

Learn more: [www.cdc.gov/hai/eip](http://www.cdc.gov/hai/eip).

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