

## NORTH CAROLINA

# \$3,900,642

Funding for AR Activities  
Fiscal Year 2021

One local CDC AR expert

HIGHLIGHTS

CDC Prevention Epicenter

## FUNDING TO STATE HEALTH DEPARTMENTS



\$831,342

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

Programs use the AR Lab Network to rapidly detect threats and then implement prevention, response, and antibiotic stewardship to stop the spread of resistant germs. Additional resources, appropriated to CDC to fight COVID-19, will also help in the fight against AR by improving infection prevention and control in healthcare facilities.



\$179,702

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

North Carolina 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 2021, North Carolina continued monitoring these isolates for resistance genes. When outbreaks are detected, local CDC-supported epidemiologists investigate the cases to stop spread.



\$487,681

**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 U.S. 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 through the Gonococcal Isolate Surveillance Project (GISP), which advises how well antibiotics work on laboratory samples collected from sentinel sexually transmitted disease (STD) clinics. New York also participates in the STD Surveillance Network (SSuN), which monitors adherence to national gonorrhea treatment guidelines for patients diagnosed and reported with gonorrhea from all provider settings across funded jurisdictions. Select STD clinics also enhance surveillance by collecting additional gonococcal isolates from women and from extragenital sites.

## FUNDING TO UNIVERSITIES & HEALTHCARE PARTNERS



\$1,851,917

### DUKE UNIVERSITY AND UNIVERSITY OF NORTH CAROLINA: CDC Prevention Epicenter

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

This work is funded by resources appropriated to CDC to support its response to COVID-19.

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



\$550,000

### NORTH CAROLINA STATE UNIVERSITY: Discovering & Implementing What Works

The Modeling Infectious Diseases in Healthcare Network (MInD-Healthcare) is a network of leading U.S. modelers that responds to evolving public health needs in healthcare settings by predicting outbreaks and investigating intervention strategies. The network develops and applies computational tools and mathematical methods for preventing HAIs, including those caused by AR pathogens. This work is also funded in part by resources appropriated to CDC to support its response to COVID-19. [Learn more: https://www.cdc.gov/hai/research](https://www.cdc.gov/hai/research)