AR Solutions In Action
CDC’s Investments to Combat Antibiotic Resistance Threats 2021

FISCAL YEAR

AR Solutions

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

ARinvestments.cdc.gov

Funding for AR Activities Fiscal Year 2021

TEXAS

$2,362,583

Two local CDC fellows

FUNDING TO STATE HEALTH DEPARTMENTS

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

$1,665,869
(Includes funding to Houston)

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.

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

$446,007
(Includes funding to Houston)

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

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.

$12,001

The Gonococcal Isolate Surveillance Project (GISP) informs national treatment guidelines and monitors how well antibiotics work on laboratory samples collected from sentinel sexually transmitted disease (STD) clinics, which often are the first to detect the threat. Select STD clinics also enhance surveillance by collecting additional gonococcal isolates from women and from extragenital sites.

FUNDING TO UNIVERSITIES & HEALTHCARE PARTNERS

AI Biosciences, Inc.: Discovering & Implementing What Works

This project is evaluating the efficacy of a one-handed, environmental surface-sampling and concentration device—the Squeegee-Aspirator for Surface Sampling (SASS), an easy-to-operate sampling device and consumable that can be used as a low cost.

$238,706

This data represents CDC’s largest funding categories for AR. It shows extramural funding that supports AR activities from multiple funding lines.

COVID-19: coronavirus disease 2019
AR: antibiotic resistance
HAI: healthcare-associated infection

U.S. Department of Health and Human Services Centers for Disease Control and Prevention