AR Solutions *In Action*

CDC's Investments to Combat Antibiotic Resistance Threats

FISCAL YEAR 2021

MASSACHUSETTS

CDC Prevention Epicenter

HIGHLIGHTS

$7,971,921

Funding for AR Activities
Fiscal Year 2021

FUNDING TO STATE HEALTH DEPARTMENTS

$1,297,240

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.

$243,872

FOOD SAFETY projects protect communities by rapidly identifying drug-resistant foodborne bacteria to stop and solve outbreaks and improve prevention.
Massachusetts 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, Massachusetts continued monitoring these isolates for resistance genes. When outbreaks are detected, local CDC-supported epidemiologists investigate the cases to stop spread.

FUNDING TO UNIVERSITIES & HEALTHCARE PARTNERS

$1,564,786

HARVARD PILGRIM HEALTH CARE: 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

$4,866,023

HARVARD PILGRIM HEALTHCARE: Discovering & Implementing What Works
Investigators are developing next-generation quantitative models and tools to develop and implement modeling hubs with broad expertise in infectious disease forecasting, modeling, and analytics to support translational and operational science and technology advances.

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

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

ARinvestments.cdc.gov

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