

AR Solutions *In Action*

CDC's Investments to Combat Antimicrobial Resistance Threats

FISCAL YEAR

2022

MASSACHUSETTS

\$2,055,385

Funding for AR Activities
Fiscal Year 2022

CDC Prevention Epicenter

HIGHLIGHTS

FUNDING TO STATE HEALTH DEPARTMENTS



\$1,234,065

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.



\$184,492

FOOD SAFETY projects protect communities by rapidly identifying antimicrobial-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 2022, Massachusetts continued monitoring these isolates for resistance genes. When outbreaks are detected, local CDC-supported epidemiologists investigate the cases to stop the spread.

FUNDING TO UNIVERSITIES & HEALTHCARE PARTNERS



\$602,623

HARVARD PILGRIM HEALTH CARE: CDC Prevention Epicenter

The Prevention Epicenters Program is a collaborative network of 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 IPC strategies for preventing HAIs, AR, and other adverse events in all healthcare settings. Learn more: www.cdc.gov/hai/epicenters



\$34,205

HARVARD UNIVERSITY SCHOOL OF PUBLIC HEALTH: 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. Learn more: www.cdc.gov/hai/research/safehealthcare.html

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

ARinvestments.cdc.gov



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