# AR Solutions *In Action*

## CDC's Investments to Combat Antibiotic Resistance Threats

# HOUSTON, TX

## $556,658

### Funding for AR Activities Fiscal Year 2019

## FUNDING TO PUBLIC HEALTH DEPARTMENTS

**$484,619**

**RAPID DETECTION & RESPONSE: State, territory, and local public health partners fight antibiotic resistance in healthcare, the community, and food. Programs use the AR Lab Network to rapidly detect threats and implement prevention, response, and antibiotic stewardship to stop the spread of resistant germs.**

Using 2018 funds, the Houston Health Department responded to an outbreak of bloodstream infections in three patients at an outpatient clinic after non-FDA-approved umbilical cord stem cell procedures. The response involved multiple jurisdictions, infection control assessments, laboratory testing, and a larger nationwide investigation, highlighting the importance of communication and collaboration among local, state, and federal public health partners.

**$82,039**

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

Houston uses whole genome sequencing to track and monitor local outbreaks of *Listeria*, *Salmonella*, *Campylobacter*, and *E. coli* and uploads sequence data into PulseNet for nationwide monitoring of outbreaks and trends. In Fiscal Year 2020, Houston will continue monitoring these isolates for resistance genes. When outbreaks are detected, local CDC-supported epidemiologists investigate the cases to stop spread.

This data represents CDC's largest funding categories for AR. It shows extramural funding that supports AR activities from multiple funding lines.     **AR:** antibiotic resistance     **HAI:** healthcare-associated infection

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

### www.cdc.gov/ARinvestments

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