ARIZONA

$1,018,554

Funding for AR Activities
Fiscal Year 2017

FUNDING TO STATE HEALTH DEPARTMENTS

$613,736

RAPID DETECTION & RESPONSE to emerging drug-resistant germs is critical to contain the spread of these infections.
With 2016 funding, Arizona increased its capacity to respond to emerging threats by strategically coordinating with state and regional labs for testing and rapid reporting of the "nightmare bacteria" CRE. This enabled the HAI/AR program to work with the AR Lab Network to address 21 suspected CRE cases in 2016.

$175,636

FOOD SAFETY projects protect communities by rapidly identifying drug-resistant foodborne bacteria to stop and solve outbreaks and improve prevention.
Arizona implemented whole genome sequencing of *Listeria*, *Salmonella*, *Campylobacter* and *E. coli* isolates submitted to its lab and began uploading sequence data into PulseNet for nationwide monitoring of outbreaks and trends. In Fiscal Year 2018, Arizona will begin simultaneously 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

$119,678

UNIVERSITY OF ARIZONA: Innovative Prevention & Tracking
This project studies the delay in diagnosis of Valley Fever (coccidioidomycosis) in Tucson, Arizona where this disease is endemic (very common). To some clinicians, Valley Fever looks like community acquired pneumonia. The University of Arizona will collect the diagnostic codes for Valley Fever in its hospital computer system. Researchers will also analyze the health care cost due to delay in diagnosis and determine the unnecessary antibiotic usage for better antibiotic stewardship practices.

$109,504

TRANSLATIONAL GENOMICS RESEARCH INSTITUTE: Innovative Prevention & Tracking
Researchers are developing computational tools to improve analysis of bacterial DNA sequences, particularly from pathogen samples that are very closely related.

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

CDC provides critical support to every state to protect Americans from antibiotic resistance.

www.cdc.gov/ARinvestments

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