

AR Solutions In Action

CDC's Investments to Combat Antibiotic Resistance Threats

FISCAL YEAR

2019

OKLAHOMA

\$511,119

Funding for AR Activities
Fiscal Year 2019

FUNDING TO STATE HEALTH DEPARTMENTS



\$403,293

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.

With 2018 funding, the Oklahoma Public Health Lab (PHL) tested 100% of the carbapenem-resistant *Pseudomonas aeruginosa* and carbapenem-resistant Enterobacteriaceae isolates received from across the state. State epidemiologists and laboratorians collaborated to review data from local clinical labs and the PHL and determined that testing all isolates received is important for improving containment, transmission prevention, and quality of care.



\$107,826

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

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

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**