

CDC's Antibiotic Resistance (AR) Solutions Initiative

Investing to Defend the United States against Antibiotic Resistance



- Tackle the threat of antibiotic resistance, when bacteria no longer respond to the drugs designed to kill them
- Drive aggressive action with healthcare, veterinary, and agriculture partners nationwide
- Empower the nation to respond comprehensively, efficiently, and effectively

Detect, Respond, and Contain

AR Lab Network
for nationwide detection of new & known threats, like CRE

Whole genome sequencing
to track resistance & stop outbreaks

Robust systems
to track resistance, antibiotic use, & infections in human health

Containment
of novel resistance threats

Prevent

Targeted coordination & prevention strategy
to stop spread

Education & guidance
to improve antibiotic use & prevent sepsis

Expanded screenings overseas
for tuberculosis

Rapid detection, tracking, & treatment
of gonorrhea

Innovate

Discover new ways to protect patients
from resistant infections

New ways to ensure successful tuberculosis treatment

AR Isolate Bank
to inform new drug & diagnostic development

Microbiome & environment (water, soil) research
to understand resistance

CDC is investing in every state to combat antibiotic resistance across

- healthcare settings,
- food, &
- communities (like gonorrhea).

How does CDC help combat AR near you?

See the AR Investment Map
www.cdc.gov/ARinvestments

For more information, visit
www.cdc.gov/DrugResistance