

CDC Actions to Combat Antibiotic Resistance (AR)

The United States is better positioned for a faster response to AR because of the strategic leadership and investment of CDC's AR Solutions Initiative.

The initiative invests in national infrastructure to detect, respond, contain, and prevent resistant infections across healthcare, food, and community.

CDC IS LEADING EFFORTS

Detect, Respond, Contain

Equipping all states and several large cities with lab expertise through CDC's AR Lab Network and on-the-ground experts in the United States and around the world to combat AR threats.

Investing in Prevention

Improving antibiotic use across healthcare and veterinary settings globally to ensure antibiotics are used appropriately.

Enhancing tracking of AR pathogens for local prevention of healthcare-associated, foodborne, and community AR threats such as tuberculosis, ESBL-producing Enterobacteriaceae, and gonorrhea.

Encourage Innovation

Inform the development of new drugs and diagnostics by sharing isolates and CDC sequencing data.

Spurring One Health innovation to identify and implement new ways to prevent AR globally.



Learn more about CDC's
AR Solutions Initiative:
www.cdc.gov/DrugResistance

Scan with your smartphone camera to watch an animated video on Antibiotic Resistance

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**TO MOVE
FORWARD**

Stop Resistance from Spreading, Emerging

Strengthen domestic infrastructure by doubling AR investments in state and local health departments

Strengthen National One Health Surveillance

- Develop a Center of Excellence for whole genome sequencing related to healthcare-associated pathogens and other AR threats
- Measure existing AR ecology across One Health and monitor shifts over time
- Expand domestic capacity to fight AR across food, water, and the community

Improve International AR Prevention, Surveillance, Control

- Expand the AR Lab Network internationally to identify and respond to emerging threats
- Research how global water, hygiene, and sanitation systems impact AR

Accelerate R&D for New Antibiotics, Other Therapeutics, and Vaccines

Stop infections before they start by building a vaccine data platform to accelerate getting new vaccines to market and to evaluate their efficacy post-licensure



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