CDC Actions to Combat Antimicrobial Resistance

The United States is better positioned for a faster response to antimicrobial resistance (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 antimicrobial-resistant infections across health care, food, communities, and the environment.

CDC IS LEADING EFFORTS

Detect, Respond, Contain

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

Invest in Prevention

Improving antibiotic use across health care globally and veterinary settings domestically to ensure antibiotics and antifungals are used appropriately.

Enhancing tracking of antimicrobial-resistant pathogens for local prevention of healthcare-associated, foodborne, and community AR threats such as ESBL-producing Enterobacterales, non-typhi *Salmonella,* and gonorrhea.

Encourage Innovation

Informing 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.

Stop Resistance from Spreading, Emerging

- Strengthen domestic infrastructure by increasing AR investments in state, territorial and local health departments

Strengthen National One Health Surveillance

- Strengthen detection and response capacities and capabilities, enhance standardization and harmonization of testing data, and expand the reach of the AR Lab Network
- 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, and Response

- Expand the Global AR Lab & Response Network around the world to identify and respond to AR threats and strengthen capacities for detection, prevention, and response
- Develop innovative approaches to AR detection, including building and strengthening capacities for wastewater and environmental surveillance

Accelerate Research & Development for New Drugs, Other Therapeutics, and Vaccines

- Invest in innovation to identify and implement new ways to combat the threat of AR, like pathogen reduction and decolonization
- More research is needed to develop new therapeutic strategies to address colonization, microbiomes, and healthcare-associated and antimicrobial-resistant infections

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

Scan with your smartphone camera to watch an animated video on AR

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