

CDC's Antibiotic Resistance (AR) Solutions Initiative

Investing to Defend the United States against Antibiotic Resistance

CDC
is leading
efforts to:

- 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