

CDC Actions to Combat Antibiotic Resistance (AR)*

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

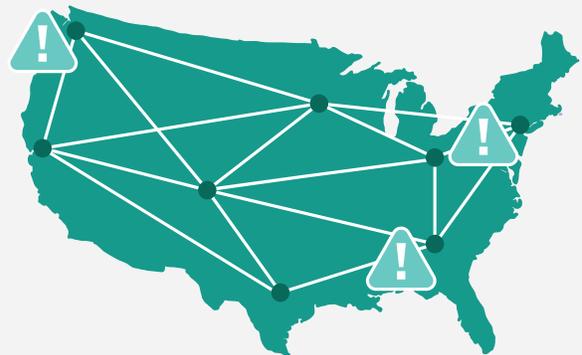
Every 4 hours, CDC's AR Lab Network detected a resistant germ that required a public health investigation (as of 2018)

106,000+

bacteria tested by the AR Lab Network, and 2,238 alerts sent about unusual resistance requiring a containment response

NEARLY 13,000

swabs tested to detect resistant germs in healthcare—many launched a containment response



WHOLE GENOME SEQUENCING

15,300

tuberculosis, *C. difficile*, and gonorrhea germ samples

101,511

foodborne germ samples since 2016 (e.g., *Salmonella* via PulseNet)



CDC invested \$300M+ in 59 state & local health departments to detect and prevent resistant threats

500+ local AR experts

8 SURRG sites to enhance response to drug-resistant gonorrhea outbreaks

SURRG: Strengthening the United States Response to Resistant Gonorrhea

CDC Supports Innovations

158

public health research projects to better understand and combat AR

NEARLY \$110M

to 96 institutions for innovations, therapeutics, and diagnostics



125,000+ **GERM SAMPLES**

sent by CDC & FDA AR Isolate Bank to diagnostic test makers, academic researchers, and drug companies

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28

countries fighting antibiotic resistance together with CDC

26

infection control experts from CDC give technical assistance and support globally

350+

partners engaged globally through the Antimicrobial Resistance Challenge

84% of U.S. hospitals report having a stewardship program meeting all seven of CDC's Core Elements of Hospital Antibiotic Stewardship

Antibiotic prescribing in outpatient settings declined (2011-2016)

↓ **5%**

Outpatient prescribing to children also declined (2011-2017)

↓ **16%**



188M+

impressions from *Be Antibiotics Aware* PSAs

15,900+

learners registered for CDC's free training course on improving antibiotic use

3,461

completed regimens using drugs from the Tuberculosis Emergency Stockpile

*As of Fiscal Years 2016-2019



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