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

**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

*As of Fiscal Years 2016-2019*
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.

- **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

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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%**

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- **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

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*As of Fiscal Years 2016-2019*