# CDC Leads the U.S. Public Health Fight Against Antimicrobial Resistance (AR)



#### 2013

• CDC releases <u>Antibiotic</u> <u>Resistance Threats in</u> <u>the United States, 2013</u>.

# 2015



- U.S. government releases first <u>National Action Plan for CARB,</u> <u>2015-2020</u>.
- Congress appropriates \$160 million for AR Solutions Initiative. (CDC's initial request was \$264M)
- CDC launches <u>CDC & FDA AR</u> <u>Isolate Bank</u>.

#### 2017

- CDC begins supporting global AR innovation projects.
- CDC adds National Tuberculosis Molecular Surveillance Center to the AR Lab Network.

#### 2018

 CDC co-hosts forum to publish report, <u>Initiatives for</u> <u>Addressing Antimicrobial</u> <u>Resistance in the Environment.</u>



• CDC co-hosts <u>AMR Challenge</u>, a global one-year initiative to drive meaningful action worldwide.

#### 2014

CDC publishes
 <u>Core Elements of</u>
 <u>Hospital Antibiotic</u>
 Stewardship Programs.



• White House <u>Executive Order 13676</u> establishes *National Strategy for Combating Antibiotic-Resistant Bacteria (CARB)* and Presidential Advisory Council.

### 2016

• CDC establishes the <u>AR Lab Network</u>.



- CDC awards first domestic AR <u>innovation</u> funding (\$40M).
- CDC launches the Antibiotic Use and Resistance Modulethrough the National Healthcare Safety Network (NHSN).
- United Nations (UN) General Assembly holds first high-level meeting on AR.

#### 2019

• CDC publishes <u>Aucibiotic</u> <u>Resistance Threats in the</u> <u>United States, 2019</u>.



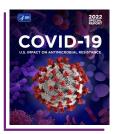
- CDC PulseNet laboratories transition to whole genome sequencing for foodborne germs, enabling routine surveillance to predict resistance.
- CDC and HHS conclude AMR Challenge with 300+ partner commitments globally.





• U.S. government releases second <u>National Action Plan</u> for CARB, 2020-2025.

• COVID-19 pandemic begins, impacting healthcare facilities, health departments, and communities and leading to an increase in healthcare-associated, antimicrobialresistant infections in U.S. hospitals.





• CDC publishes <u>COVID-19:</u> <u>U.S. Impact on Antimicrobial</u> <u>Resistance, Special</u> <u>Report 2022</u>.

2024

• CDC and FDA co-sponsor workshop on preventing healthcare-associated infections, decolonization and pathogen reduction strategies.

• CDC publishes <u>data</u> on burden of seven antimicrobial-resistant threats typically found in healthcare settings, 2021-2022.

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- UN General Assembly
  holds second high-level meeting on AR.
- U.S. begins requiring **4,500** hospitals to report antimicrobial use and resistance data through NHSN via automated mechanisms (under CMS rule).
- CDC collaborates with other federal agencies on development of *Framework for Interagency Collaboration to Review Potential Antibacterial and Antifungal Resistance Risks Associated with Pesticide Use.*

# 2021

 CDC establishes the Global AR Lab and Response Network

to address critical AR detection and response gaps in low- and middleincome countries.



• Emergency supplemental funding expands U.S. health department and global partner country epidemiology and laboratory capacity for AR threats, COVID-19, and other infectious diseases.

## 2023

• Recissions of emergency supplemental funding return CDC AR funding to pre-pandemic levels, risking progress made in the U.S. and around the world.

## 2025

• CDC to release third AR Threats Report in a new electronic format. Report will feature burden estimates for at least



**19 AR threats** and an update on the overall burden of AR in

- the U.S.
- U.S. government will release third National Action Plan for CARB, 2025 2030.





For more information on antimicrobial resistance, visit: https://bit.ly/4di6DHm