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>.



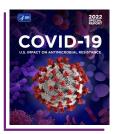
- CDC PulseNet laboratories transition to whole genome sequencing for foodborne germs, enabling routine surveillance to predict resistance.
- CDC and HHS conclude AMR Challenge with 300+ partner commitments globally.





• 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.

CEC could not start to a major the ULF. Survival of the Malari Start and Particle Could not the ULF. Survival of the Malari Start Start and Start Start Start Start Start Start Start Start Start Start Start Star		
paars, 2007 and 2002, and companys against 2018 data.		
2011 alterer horszand ky a sambinus 2015 during the CDV provident production of 2020 (h 2020) (h 2020) (HEL2) sensitival altere pre-paralemic levels. The number of reported infinial states of C auto inter- tion.	for all lost one of these pathogers search search four full from 2018 to	
Impact of COVID-19 on AR		
Impact of COVID-19 on AR The insurance is architectural consistence (All) fundame search to 2000 and 2000 willing the only part of the impact of COVID-10, which packed insultances families, match dependencies, and search and the impact packation. This resultant in larger transplat, along the impact balance partici- al packation in the impact has a search in the impact packation dependencies and the impact packation of a centre participant ingle results.	Analog hasht departments invasied in prover intelegies and initiatives includes [17] Place that 6,000 presention.	
Impact of COVID-19 on AR The interacts in articlesistic statistics (AR) lander seen in 2000 and 2007 are likely due in part in the impact of COVID-19, which applied teathings tables in particular depresentation of the approximation area for interacting protein depresentation of the approximation area for interacting protein depresentation of the approximation area for interacting protein depresentation of the approximation area for interacting protein for interacting and a statement at which COVID-19, includent proteines for interacting protein and and a statement at the COVID-19, includent proteines for interacting proteines and and and a statement at the COVID-19, includent proteines for the covid-19 of the approximation of the COVID-19, includent proteines for the covid-19 of the approximation of the COVID-19, includent proteines for the covid-19 of the approximation of the COVID-19, includent proteines for the covid-19 of the approximation of the COVID-19, includent proteines for the covid-19 of the approximation of the COVID-19, includent proteines for the covid-19 of the approximation of the COVID-19, includent proteines for the covid-19 of the approximation of the COVID-19, includent proteines for the covid-19 of the approximation of the COVID-19, includent proteines for the covid-19 of the approximation of the COVID-19, includent proteines for the covid-19 of the approximation of the COVID-19, includent proteines for the covid-19 of the covid-19 of the COVID-19, includent proteines for the covid-19 of the covid-19 of the COVID-19, includent proteines for the covid-19 of the	Geported by American Device Para Art functing fearth departments invested in present strategies and initiatives includes [11] How that \$4000 presention.	

- 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