National Antimicrobial Resistance Surveillance Strategic Map: 2017-2020

Strengthen Antimicrobial Resistance Surveillance in the United States

Final
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	A	B	C	D	E
	Provide Foundational Components for Surveillance	**Enhance the Capacity and Use of Laboratory Diagnostics for Surveillance**	**Improve Quality and Availability of Surveillance Data**	**Strengthen the Analysis and Use of Surveillance Data for Action**	**Secure Resources and Legal and Policy Supports to Implement, Govern, and Sustain the System**
1	Encourage Appropriate Use of Diagnostic Testing/Culturing	Ensure Clinical Labs Have Access to Up-to-Date, FDA-Approved, Reimbursable Tests for Antimicrobial Resistance	Evaluate, Enhance & Promote Existing Systems, Processes & Tools	Improve and Automate Detection of Emerging Resistance	Establish and Implement a Governance Structure
2	Provide Timely Delivery of Guidance to Detect and Respond to Novel/ Emerging AR Threats	Sustain Antimicrobial Resistance Work in Public Health Labs and Expand Where Needed	Leverage Shared Technical Infrastructure and Services	Integrate Epi, Lab and Clinical Data	Align with CARB and Successor Objectives
3	Promote Standards for Cumulative Antibiograms at the Facility, Regional and National Levels	Provide Technical Education about Antimicrobial Resistance Testing	Increase Automation across the Surveillance Continuum	Improve and Automate Outbreak/ Cluster Detection	Nurture Strategic Partnerships
4	Provide Antimicrobial Resistance Surveillance Workforce Development Curriculum	Enable Capture of Data Using Standardized Vocabulary Codes for New Tests and Other AR Data	Establish and Align Standards for Data Collection, Transmission and Provisioning	Build AR Situational Awareness at the Facility, Community and Regional Levels	Support Stakeholders in Navigating the Regulatory Environment
5	Increase Public Health, Lab and Clinical Informatics and Bioinformatics Capacity	Implement a Strategy to Extract Suppressed Antimicrobial Susceptibility Test Results	Maintain Epi, Lab and Clinical Information Systems with Appropriate Vocabulary and Code Sets	Integrate Lab, Epi and Antimicrobial Use Data for Human, Animal and Environmental Health	Provide Timely Communication and Evaluation to Stakeholders
6	Establish Roles, Responsibilities and Priorities of Public Health and the Clinical Sector		Ensure Sufficient Data to Track Resistance Patterns across Settings and Organisms	Communicate Results and Suggested Actions	

F **Leverage Public Health-Clinical Partnerships and Policy**

G **Incorporate New Technology (e.g., Advanced Molecular Detection) and Epidemiological Analytic Methods**