

Supporting a Regional Approach to AMR Detection and Response

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Division of Healthcare Quality Promotion

IICP's mission is to protect patients and healthcare workers globally by providing expertise, evidence, and implementation strategies to sustainably address infectious disease threats related to healthcare delivery.

- **Prevent Disease Transmission in Healthcare Settings** – IICP facilitates and strengthens capacity for implementation and evaluation of infection control programs and surveillance systems for healthcare-associated infections.
- **Detect and Contain Antimicrobial Resistance** – IICP assists countries in developing national AMR action plans and prevention programs as well as establishing surveillance systems.
- **Respond to Outbreaks** – IICP rapidly deploys scientists around the globe to investigate and control healthcare-related outbreaks.

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Snapshot of IICP's work in Southeast Asia Vietnam

Improving IPC Capacity:

IPC model hospital network

HAI surveillance

Quality improvement projects to prevent HAIS

Healthcare-related outbreak training and workforce development

Combatting AMR:

Laboratory-based surveillance

Microbiology laboratory mentorship and training

Quality improvement projects to decrease CRE incidence and decrease antibiotic overuse

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**CDC's
Global
AR Lab
Network**

**New CDC
Programs
Combat
AR
Globally**

**The Global
Action in
Healthcare
Network
(GAIHN)**



New CDC Programs Combat Antibiotic Resistance Globally



CDC's Global AR Lab Network

Rapid detection of antibiotic resistance Anywhere AR can occur: health care, community, food, environment

Targeting emerging & AR Threats Report pathogens



The Global Action Infection Healthcare Network (GAIHN)

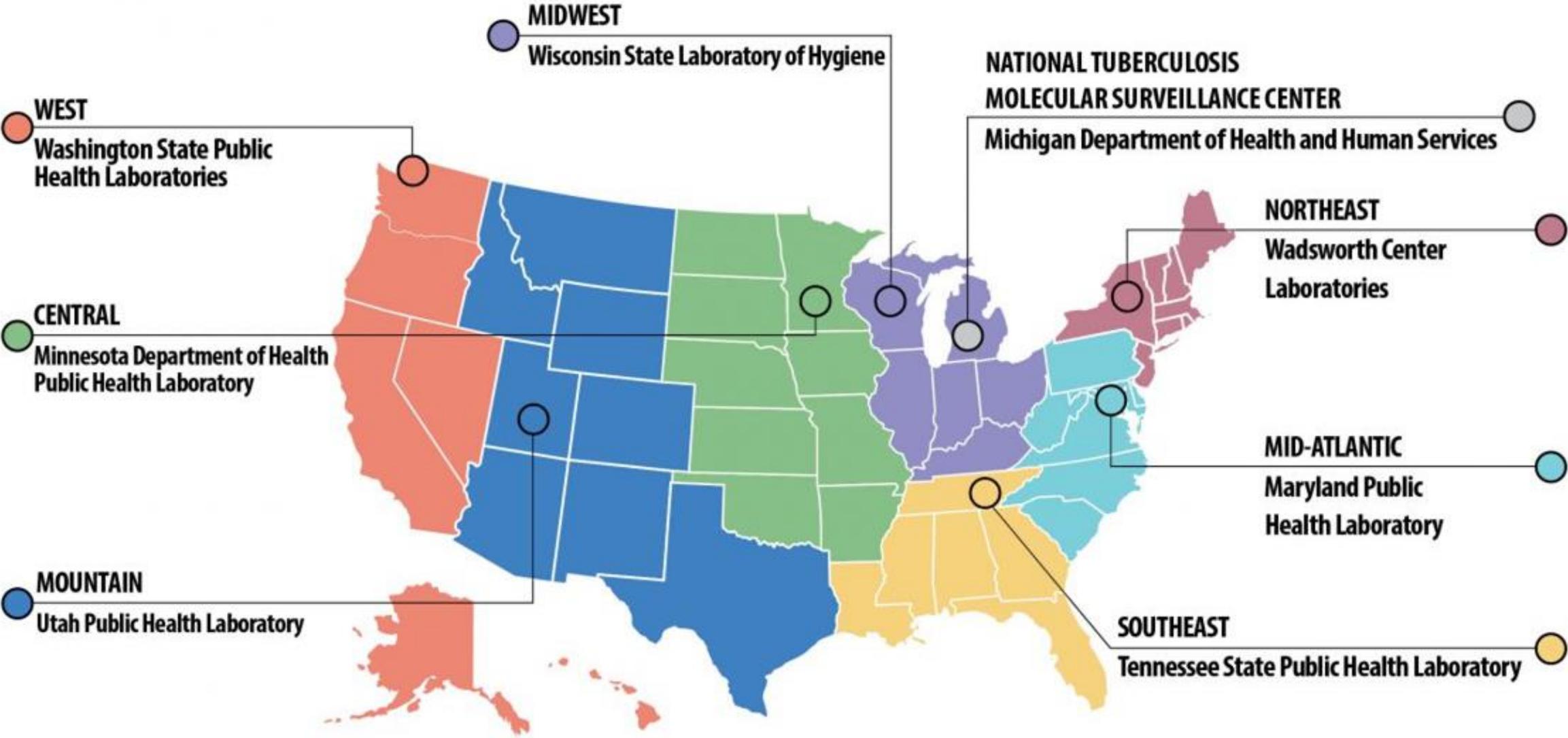


Improve infection prevention & control

Anywhere human health care is delivered

Targeting infectious disease threats in health care (e.g., COVID-19, AR, Ebola)

US AR Lab Network



Global AR Healthcare Module

**CDC's
Global
AR Lab
Network**

**The Global
Action in
Healthcare
Network
(GAIHN)**

Both networks build on domestic efforts and prevention needs and are grounded in successes and lessons learned in IPC and AR.

Both networks are supported by new CDC funding solicitations.

The healthcare AR module under GAIHN is one critical area that overlaps with the Global AR Lab Network.

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**Overview of CDC's Global
Action
In Healthcare Network
(GAIHN)**

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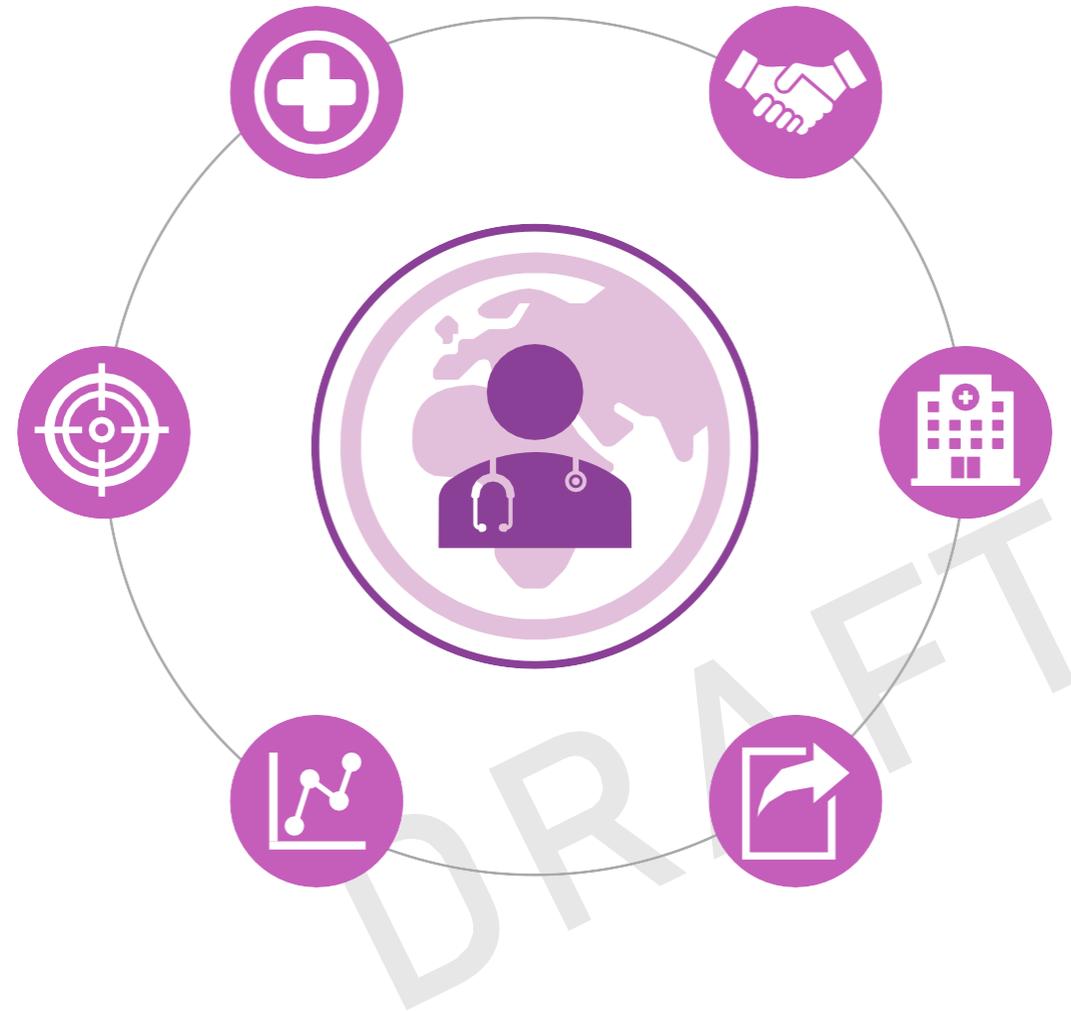
Global Action In Healthcare Network (GAIHN): A collaborative global RAPID ACTION network coordinated by CDC.

Vision of the Network

CDC's vision is a **global collaborative network** consisting of countries, institutions, and partners at global, regional, national, and subnational levels working together to address **priority emerging threats in healthcare settings** through **rapid detection and response**.

The GAIHN Network

- **A global “network of networks”**
 - MOH-led or Investigator-led
 - National or decentralized
 - Local, national, regional, multi-national, global partners
- **Collaborative platform with unified goals and targets**
 - Sharing of protocols, experiences
 - Data sharing as appropriate
 - Data visualization to understand key measures and track performance
 - Notification to appropriate authorities (e.g., IHR, national reference labs, MOH)



The GAIHN Network

- **Focus initially on high-capacity facilities**
 - Demonstrate success and provide local, national, and regional best practices
 - Implementation science basis
 - “Trickle down” local expansion
- **Governance**
 - CDC led with partners
 - Global advisory committee



Targeting critical pathogens with rare AR mechanisms for containment.

Prioritization of pathogen/resistance combination for containment based on:

- Threat to healthcare settings
- At least one of the following:
 - High propensity for transmission
 - Highly virulent
 - Difficult to treat
- Non-endemic (based on the local epidemiology)

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Timeline

- Pilot



Pan American
Health
Organization

- NOFO Spring '21
- Expansion FY22-25

