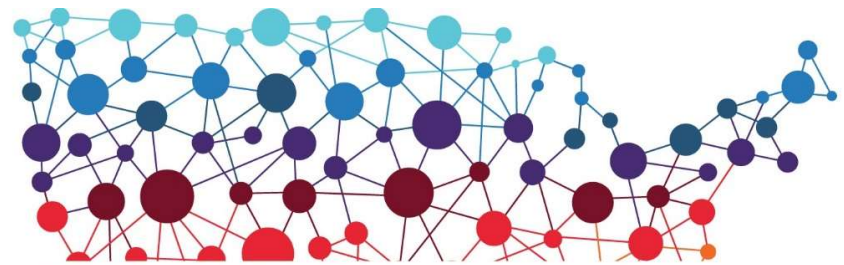




Washington State Department of

Health



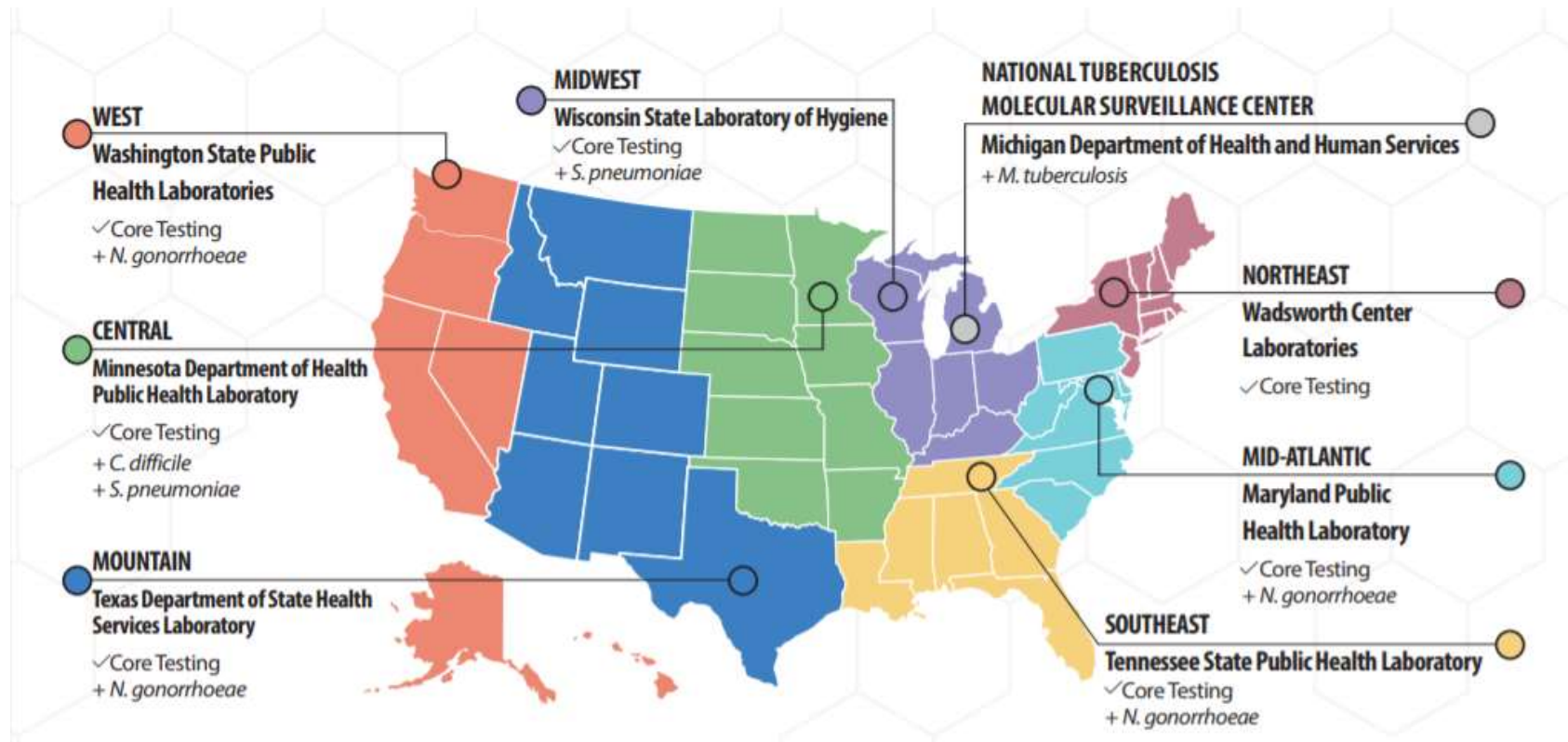
ARLABnetwork

Sentinel Lab Discussion with CLINICAL LAB and STATE

Department of Health May 3, 2019

10:00-11:00 am PST

CDC Antibiotic Resistance Laboratory Network (AR Lab Network)



All STATE labs should submit:



Family or Genus	Antibiotic Resistance Criteria	Submitters
CR-Enterobacteriaceae: <i>E. coli</i> <i>Klebsiella spp.</i> <i>Enterobacter spp.</i>	Resistant to ≥ 1 carbapenem: Minimum inhibitory concentrations ≥ 4 mcg/ml for meropenem, imipenem, and doripenem, and ≥ 2 mcg/ml for ertapenem OR Kirby-Bauer zone of inhibition diameter ≤ 19 mm for meropenem, imipenem, and doripenem, and ≤ 18 mm for ertapenem	All labs
CR- <i>Acinetobacter spp.</i>	Resistant to ≥ 1 carbapenem: Minimum inhibitory concentration ≥ 8 $\mu\text{g/mL}$ for any carbapenem OR Kirby-Bauer zone of inhibition diameter ≤ 14 mm for doripenem and meropenem, and ≤ 18 mm for imipenem	All labs
<i>Candida auris</i> (suspected or confirmed)	None	All labs



When to Suspect *Candida auris*

Identification Method	Organism <i>C. auris</i> can be misidentified as
Vitek 2 YST	<i>Candida haemulonii</i> <i>Candida duobushaemulonii</i>
API 20C	<i>Rhodotorula glutinis</i> (characteristic red color not present) <i>Candida sake</i>
BD Phoenix yeast identification system	<i>Candida haemulonii</i> <i>Candida catenulata</i>
MicroScan	<i>Candida famata</i> <i>Candida guilliermondii</i> * <i>Candida lusitanae</i> * <i>Candida parapsilosis</i> *
RapID Yeast Plus	<i>Candida parapsilosis</i> *

Voluntary STATE AR surveillance



All <i>Candida</i> spp. EX-CEPT <i>albicans</i> ¹	None	Sentinel labs
CR- <i>Pseudomonas aeruginosa</i> ¹	Resistant to ≥ 1 carbapenem: Minimum inhibitory concentration ≥ 8 $\mu\text{g/mL}$ for any carbapenem OR Kirby-Bauer zone of inhibition diameter ≤ 15 mm for any carbapenem	Sentinel labs ²
Carbapenem-resistant <i>Citrobacter</i> spp.	Resistant to ≥ 1 carbapenem: Minimum inhibitory concentrations ≥ 4 mcg/ml for meropenem, imipenem, and doripenem, and ≥ 2 mcg/ml for ertapenem OR Kirby-Bauer zone of inhibition diameter ≤ 19 mm for meropenem, imipenem, and doripenem, and ≤ 18 mm for ertapenem	Sentinel labs ²
Carbapenem-resistant <i>Morganella</i> , <i>Proteus</i> and <i>Providencia</i> spp. ³	Resistant to 1 carbapenem in addition to imipenem: Minimum inhibitory concentrations ≥ 4 mcg/ml for meropenem and doripenem, and ≥ 2 mcg/ml for ertapenem OR Kirby-Bauer zone of inhibition diameter ≤ 19 mm for meropenem and doripenem, and ≤ 18 mm for ertapenem	Sentinel labs ²
ESBL <i>E. coli</i> and <i>Klebsiella pneumoniae</i> ¹	Resistant to ≥ 1 third-generation cephalosporin Minimum inhibitory concentration ≥ 4 $\mu\text{g/mL}$ for cefotaxime and ceftriaxone, and ≥ 16 $\mu\text{g/mL}$ for ceftazidime OR Kirby-Bauer zone of inhibition diameter ≤ 22 mm for cefotaxime, ≤ 19 for ceftriaxone, and ≤ 17 for ceftazidime	Sentinel labs ²

Benefits for Sentinel Labs



Requirements

- Submit one or more of the following:
 - Carbapenem-resistant *Pseudomonas aeruginosa* (**CRPA**)
 - Carbapenem-resistant ***Citrobacter* spp.**
 - Carbapenem-resistant ***Morganella*, *Proteus*, *Providencia* spp.**
 - *E.coli* and *Klebsiella pneumoniae* isolates resistant to third-generation cephalosporins (**mcr surveillance**)
 - **Non-*albicans* *Candida* spp.**

Benefits

- Contributing to a better understanding of MDROs in WA!
- Facility-level reports
- Yearly check-in call
- Certificates of Participation

2019

Proud to Support CDC's

Antibiotic Resistance
Laboratory Network



Certificate of Participation

presented by

to

for submitting specimens to
**Centers for Disease Control and Prevention's
Antibiotic Resistance Laboratory Network,**
helping to detect resistance, prevent spread, and protect people.

2019
