

ANTIMICROBIAL STEWARDSHIP AND ANTIBIOGRAM

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CDC AND WINNABLE BATTLES

- Tobacco
- Nutrition/Physical Activity/Obesity
- Food Safety
- Healthcare-Associated Infections
- Motor Vehicle Injuries
- Teen Pregnancy
- HIV in the US

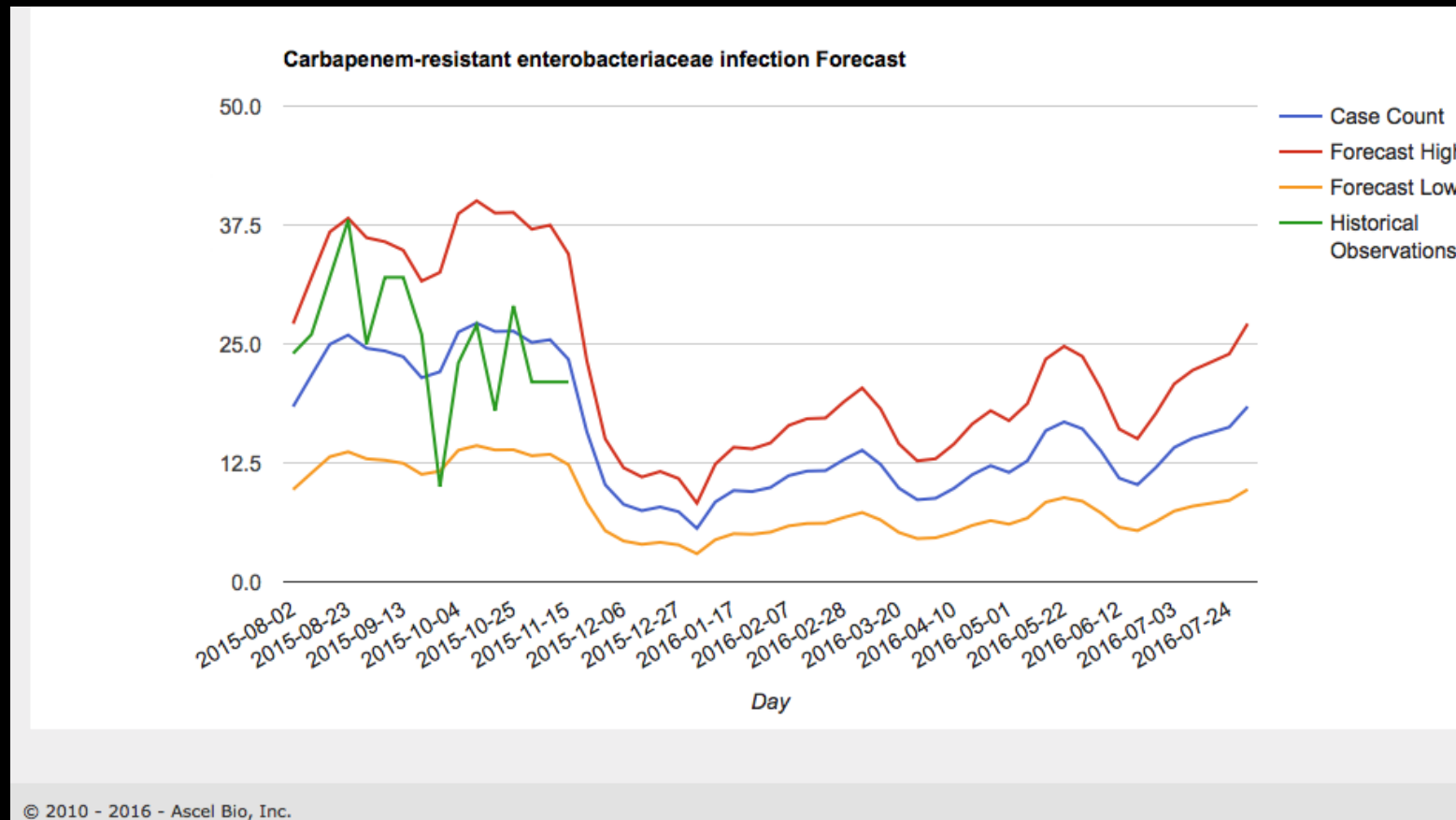
HEALTHCARE-ASSOCIATED INFECTIONS

- At any given time, about 1 in every 25 patients has an infection related to their hospital care. Healthcare-associated infections (HAIs) not only affect patient lives, but also add to our growing healthcare costs.
- CDC has identified eliminating HAIs as a Winnable Battle. With additional effort and support for evidence-based, cost-effective strategies that we can implement now, we can have a significant impact on our nation's health.
 - Prevent spread of bacteria between patients
 - Prevent spread of bacteria between patients
 - Improve antibiotic use and reduce development of resistance by using antibiotics when necessary, use the appropriate antibiotic in the proper dosage, frequency, and duration

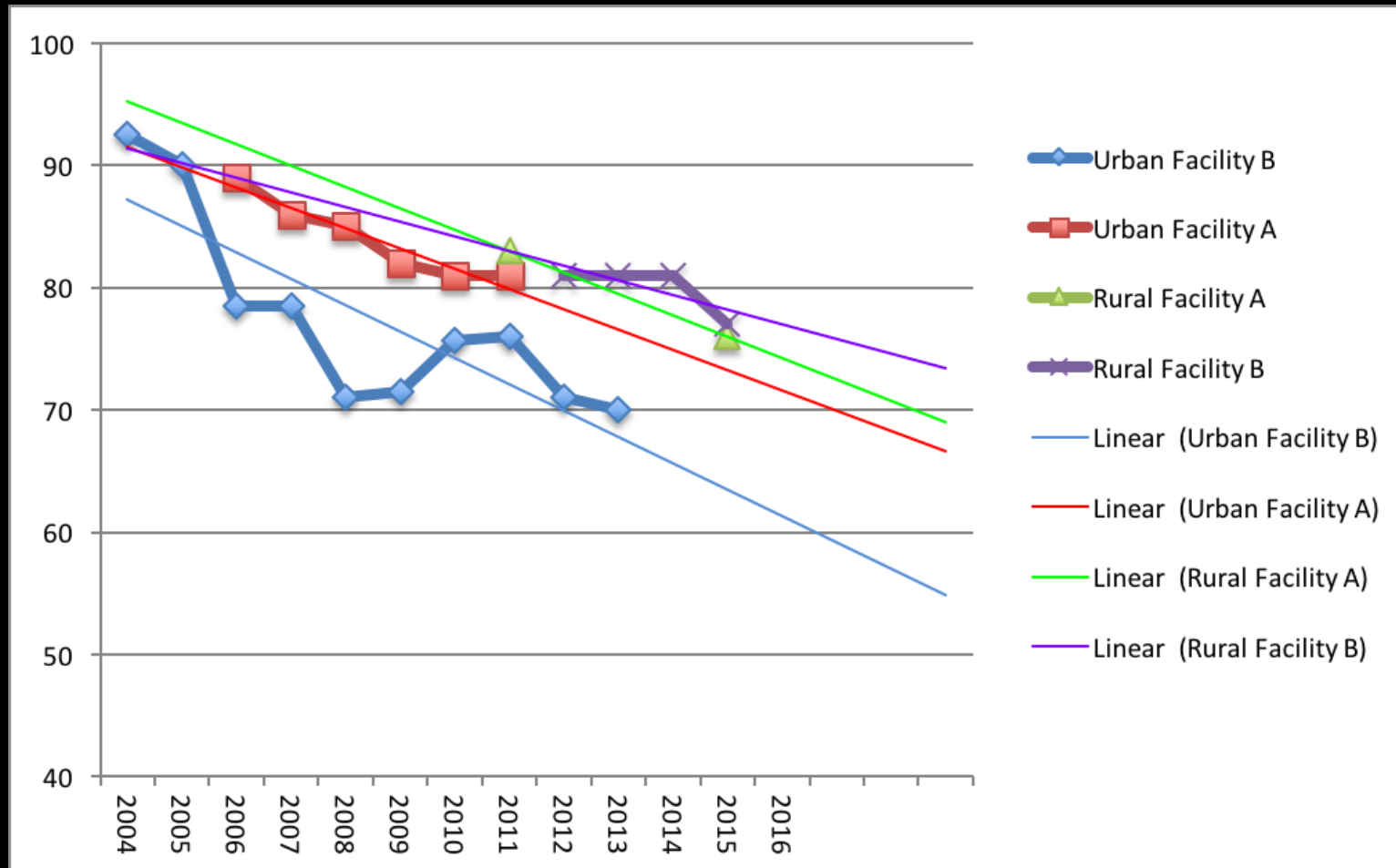
STATE ANTIMICROBIAL STEWARDSHIP PROGRAM (JW)

- First statewide coordination initiative in the United States.
- Joint Commission will be adding antimicrobial stewardship as a standard.
 - Will follow CDC recommendations
 - Includes a formal, written statement of support from leadership supporting their organization's stewardship initiatives.

JAPAN: INITIAL INDICATION OF FORECASTABLE DRUG RESISTANT BACTERIA ACTIVITY SIGNATURES



CIRPO-E. COLI RESISTANCE ACROSS ACUTE CARE FACILITIES, WASHOE COUNTY (INC. CARSON VALLEY)





SNHD ANTIBIOGRAM

- Similarities

- These both are intended to help guide empiric antimicrobial treatment and are important components of detecting and monitoring trends in antimicrobial resistance.

SNHD ANTIBIOGRAM

- Differences

- We will construct the community antibiogram with data from local providers (hospital and commercial labs); data is stored in house.
- Monitor current trend of antibiogram in community.
- Provide guide of empiric antimicrobial treatment to local providers.



SNHD ANTIBIOGRAM

- Outcomes
 - This will help guide the clinician and pharmacist in selecting the best empiric antimicrobial treatment while microbiology culture and susceptibility results are pending.

Antibiogram example

[illegible]



ANTIBIOGRAM

- SNHD Antibioqram will be similar to the previous slide
- Plan to have several for different populations
 - Pediatrics
 - Adult
 - ICU
 - General inpatient and outpatient
- Will also look at CC geography and hospital referral patterns



SNHD

- SNHD
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