Antibiotic Resistance Solutions Initiative

Antibiotic Use and Resistance (AUR) reporting will provide real time facility-specific and region-wide data on antibiotic use and resistance trends.

CDC’s National Healthcare Safety Network (NHSN)

Healthcare facilities across the region will be able to electronically transfer both antibiotic resistance data from laboratories and antibiotic prescribing data from hospital pharmacies to CDC’s NHSN to improve physician, pharmacy, and laboratory decision making.

Assess and Improve Prescribing
Pharmacist finds his hospital staff are prescribing more floroquinolone antibiotics than any other facility in the region, helping uncover and fix source of facility’s challenge to control *Clostridium difficile*.

Provide Regional Awareness
State Health Department disseminates regional alert of resistant pathogen.

Protect Patients
Doctors use detailed information on bacterial resistance (antibiogram) to prescribe optimal antibiotics.

Facilities share data with State AR Prevention Programs ("Protect Programs"). For some resistance threats, the health department is alerted and can alert other hospitals.

Local Hospital

Local Long-term Acute Care Hospital

Nursing Home

These data will allow CDC to provide benchmark antibiotic use and resistance at the local, state and national level, plus healthcare facilities will benefit greatly.