

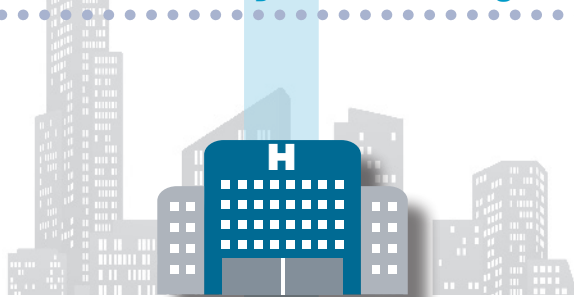
Antibiotic Resistance Solutions Initiative

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



Local Hospital

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 Long-term Acute Care Hospital

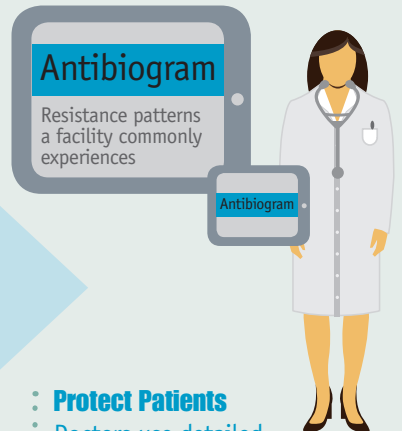
Nursing Home



- Assess and Improve Prescribing
- Pharmacist finds his hospital staff are prescribing more fluoroquinolone 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.

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.



U.S. Department of Health and Human Services
Centers for Disease Control and Prevention