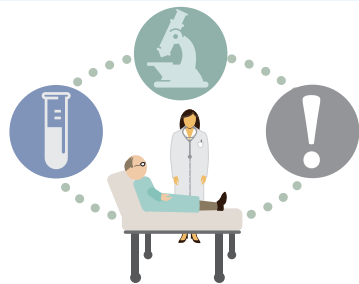


# Detect and Protect Against Antibiotic Resistance

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)

Health care 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



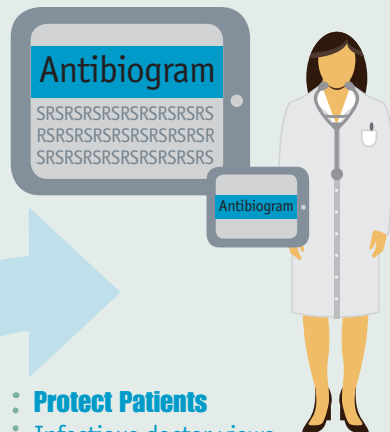
### Local Hospital

Facilities alert other facilities of patient being transferred with AR. For some AR threats, health department is alerted and can make other hospitals aware



### Local Long-term Acute Care Hospital

### Nursing Home



- **Protect Patients**
- Infectious doctor views detailed ward and patient-tailored antibiogram on her mobile device to prescribe optimal antibiotic.



- **Provide Regional Awareness**
- State Health Department disseminates regional alert.



- **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*.

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



Centers for Disease Control and Prevention  
National Center for Emerging and Zoonotic Infectious Diseases