

Antibiotic Stewardship Change Package

Drivers and Key Concepts from the Centers for Disease Control and Prevention's Get Smart Campaign

Overarching Driver: Leadership and Culture

Promote culture of optimal antibiotic use – Engage administrative and clinical champion

Primary Driver 1: Timely and Appropriate Initiation of Antibiotics

| SECONDARY DRIVER | KEY CHANGE CONCEPTS |
|---|--|
| Promptly identify patients who require antibiotics | Develop standardized process for identification |
| Obtain cultures prior to starting antibiotics | Develop standardized protocols for ordering and obtaining cultures |
| Give antibiotics with no overlapping activity or combos not supported by evidence | Inform clinicians about unnecessary combinations and double coverage |
| Determine and verify antibiotic allergies | Choose antibiotics based on patient allergies |
| Consider local antibiotic susceptibility patterns in selecting therapy | Develop a standardized process for antibiotic selection |
| Start treatment promptly | Develop process supporting prompt antibiotic treatment, ensure antibiotic availability |
| Base therapy duration on national and hospital guidelines | Incorporate these guidelines into standard protocols and decision support |

Primary Driver 2: Appropriate Administration and De-escalation

| SECONDARY DRIVER | KEY CHANGE CONCEPTS |
|--|---|
| Visible antibiotic name with start date at point of care in electronic health record (EHR) | Clear patient antibiotic history and use available |
| Give correct antibiotic dose and interval | Establish customized antibiotic delivery process |
| Stop or decrease therapy based on culture and sensitivity results | Establish prompt culture and sensitivity results notification process |
| Adjust antibiotics as patient's condition changes | Adjust antibiotic therapy as patient condition or level of care changes |
| Monitor toxicity and adjust agent and dose promptly | Ensure appropriate monitoring and adjustment of agent |

Primary Driver 3: Data Monitoring, Transparency, and Stewardship Infrastructure

| SECONDARY DRIVER | KEY CHANGE CONCEPTS |
|---|---|
| Visible antibiotic utilization, adverse drug event (ADE) and culturing/prescribing practices data | Real-time monitoring and measurement systems |
| Available expertise in antibiotic use | Cultivate local expertise and develop antibiotic formulary management process |
| Made expertise available to clinicians at point of care | Create processes to ensure expertise availability |

✓ **Explore CDC's Inpatient Stewardship Resources:**

www.cdc.gov/getsmart/healthcare/inpatient-stewardship.html

✓ **View the complete Change Package:**

www.cdc.gov/getsmart/healthcare/pdfs/Antibiotic_Stewardship_Change_Package_10_30_12.pdf