

ANTIBIOTIC STEWARDSHIP CHANGE PACKAGE

Drivers and Key Concepts from CDC'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 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, 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
Make expertise available to clinicians at point of care	Create processes to ensure expertise availability

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

<http://www.cdc.gov/getsmart/healthcare/inpatient-stewardship.html>

✓ **View the complete Change Package:**

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

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