

Implementing CDC Core Elements for Antimicrobial Stewardship

Leadership Commitment	Action	Tracking	Education	
<p>Dedicate necessary human, financial, and information technology resources.</p> <ul style="list-style-type: none"> Stewardship responsibilities in leader's job/contract description or performance measures Dedicated time for stewardship activities 	<p>Implement interventions to improve antibiotic use.</p> <p>Prospective audit</p> <ul style="list-style-type: none"> Real-time patient chart review for appropriateness of antimicrobial regimen, and feedback to provider with recommendations for optimization of antimicrobial regimens 	<p>Monitor antimicrobial prescribing, the impact of interventions, and other important outcomes.</p> <ul style="list-style-type: none"> NHSN AU Option data submission Prospective audit recommendation acceptance rates Provider adherence rate of treatment guidelines Antimicrobial resistance trends (changes in antibiogram, NHSN AR Option) 	<p>Educate prescribers, pharmacists, nurses, and patients about antimicrobial resistance, optimal prescribing, and adverse effects of antimicrobials.</p> <ul style="list-style-type: none"> Education should be continuous, and repetition will be necessary due to practitioner turnover Work toward a culture of antimicrobial stewardship Utilize reporting opportunities to provide education and rationale for selected measures 	
Accountability				
<p>Appoint a leader or co-leaders responsible for program and outcomes.</p> <ul style="list-style-type: none"> Physician/pharmacist team Physician champion/pharmacy consultant Medical director/director of nursing/constant pharmacist 	<p>Preauthorization</p> <ul style="list-style-type: none"> Restriction of select broad spectrum or overly complex antimicrobial agents to be used only with approval from Infectious Diseases/Antimicrobial Stewardship teams, to prevent unnecessary utilization 	<th>Reporting</th> <td> <p>A Few Education Resource links:</p> <p>CDC's Antibiotic Stewardship Courses</p> <p>Hospital Antibiotic Stewardship A.R. & Patient Safety Portal (cdc.gov)</p> <p>AS Focus Group Resource (ruralcenter.org)</p> </td>	Reporting	<p>A Few Education Resource links:</p> <p>CDC's Antibiotic Stewardship Courses</p> <p>Hospital Antibiotic Stewardship A.R. & Patient Safety Portal (cdc.gov)</p> <p>AS Focus Group Resource (ruralcenter.org)</p>
Pharmacy Expertise				
<p>Appoint a pharmacist, preferably as a co-leader, to lead implementation efforts to improve antibiotic use.</p> <ul style="list-style-type: none"> Empower pharmacy lead or consultant to complete antimicrobial and/or infectious diseases training, certifications, etc. 	<p>Facility specific treatment guidelines</p> <ul style="list-style-type: none"> Implement focused processes to guide providers toward evidence based antimicrobial selections for specific infections (UTI, CAP, SSTI, etc.) 	<p>Regularly report information on antibiotic use and resistance to prescribers, pharmacists, nurses, and leadership.</p> <ul style="list-style-type: none"> Targeted feedback at the specialty, unit, and/or prescriber level Focused efforts on a few metrics at a time, for example one facility-specific treatment guideline adherence Ensure integration of other elements into quality pathways to maintain leadership commitment 	References	
			<ol style="list-style-type: none"> <i>Priorities for hospital core element implementation.</i> (2024, March 18). Antibiotic Prescribing and Use. https://www.cdc.gov/antibiotic-use/hcp/core-elements/hospital-implementation.html <i>Core elements of antibiotic stewardship for nursing homes.</i> (2024, March 18). Antibiotic Prescribing and Use. https://www.cdc.gov/antibiotic-use/hcp/core-elements/nursing-homes-antibiotic-stewardship.html#cdc_generic_section_3-accountability 	