

Antibiotic Stewardship Metrics
<Facility Name>
<Reporting Period> Worksheet

Metric	Results	Month 1	Month 2	Month 3
# Urine C&S orders				
# Urine C&S positive				
# Antibiotic Rx				
# Rx with low colony count or multiple organisms				
# Meeting standardized clinical criteria				
# Antibiotic Rx empirical (before C&S result)				
# Days of Antibiotic Therapy (DOT)				
# Days of Inappropriate Therapy (IDOT)				
# C. difficile orders				
# C. difficile positive				
# ESBL+ urine isolates				

All metrics expressed per 1000 patient days

Stewardship Metrics: Definitions

Days of Therapy (DOT):

Total number of days a patient is on any antibiotic.

Example: Macrobid 100mg dispensed for 5 days would be 5 days-of-therapy (DOT) and 10 total doses.

Inappropriate Days of Therapy (IDOT):

Total days of therapy (IDOT) in which minimum criteria for initiation of antibiotic therapy are not met. Minimum criteria are:

1. Positive culture (>100,000 cfu/ml; 1 organism only).
2. Antibiotic Rx consistent with C&S result.
3. Standard clinical definition of UTI (McGeer criteria) is met.
4. Failure to resolve during 48-hour observation protocol and after antibiotic time-out (ATO).

Note: Altered mental status (780.97) is not a valid clinical criterion unless accompanied by other objective findings (fever, leukocytosis, hypotension, dysuria, etc.).

Empiric Rx

Antibiotic Rx is started before culture results are known.

Preferred strategy per stewardship protocol is use of 48-hour observation protocol in place of initiating empiric antibiotic Rx.