

Aim

Primary Drivers

Process Measures

Goal: Administer 85% of first dose antibiotics consistently within 1 hour of order by December 31st 2025.

Infection screen & drug ordering/ LIP

Review & revise order set

Real-time notification to bedside RN as orders are being placed

Prioritize submission of antibiotic orders while working with the admission order set

Drug preparation/ Pharmacy

STAT orders for ampicillin/vancomycin

Prioritize NICU first dose antibiotics

NICU Code Sepsis alerts to pharmacy

Track the different phases of preparation to identify opportunities

Sepsis work-up & vascular access/ Nursing

NICU Code Sepsis process to activate support for IV access and sepsis workup (not for new admissions)

Use escalation pathways to notify and obtain support when delays in any process is encountered

Document specific reason for delay, when applicable

Implement ultrasound-assisted intravenous cannulations

Drug delivery & administration

Deliver 1st dose antibiotics using secure tube delivery method, with an audible alert until med is retrieved

Prompt delivery from the tube station to the bedside

Track the specific reasons for delayed administration and follow up