ABX-03-CARD: Antibiotic Redosing for Open Cardiac Procedures

Measure Time Period: 120 minutes prior to Anesthesia Start through Surgery End.

*If Surgery End is not available, Anesthesia End.

ABX-03-CARD: Percentage of adult patients undergoing an open cardiac procedure with antibiotic re-dose initiated within four hours after initial antibiotic administration (cephalosporins only).

Start: All Patients
Age < 18 years  
Exclude

ASA 6  
Exclude

Open cardiac case?  
Determined by Procedure Type: Cardiac  
Exclude

Was a cephalosporin administered as initial antibiotic prophylaxis?  
Exclude

On scheduled antibiotics or documented infection?  
Exclude

Was case a Procedure Type: Lung Transplant?  
Exclude

Did patient already on scheduled antibiotics or cephalosporin phenotype (value code: 2)?  
Exclude

Patient already on scheduled antibiotics or cephalosporin phenotype (value code: 2)?

Cefamandole 10106
Cefoxitin 10107
Cefoperazone 10108
Ceftazidine 10109
Ceftetan 10110
Cefotaxime 10111
Ceftriaxone 10112
Ceftizoxime 10113
Ceftriaxone 10114
Cefepime 10115

*Only doses administered via IV route (ABX Notes Concept ID: 2001) will be considered.

Was cefalosporin administration documented as an infusion, infusion start time is used to determine time for re-dosing.

If infusion is still running at time re-dose(s) are due, case will pass.

Redose administered too early (<180 minutes after initial dose)?  
Flag

Redose administered too late (>255 minutes after initial dose)?  
Flag

Cephalosporin re-dose administered within 180-255 minutes of each dose?  
Flag

Max: 3 total doses

Pass

*If cephalosporin administration was documented as an infusion, infusion start time is used to determine time for re-dosing.