

Epic Tip Sheet

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Antimicrobial BPA (Inpatient Orders, Bugsy)

Effective: April 18, 2023

Epic users will notice a new Antimicrobial BPA on the lefthand Storyboard within a patient's chart. This alert has been created to prompt provider review of antimicrobial therapy to decrease excessive durations, improve appropriateness of antimicrobial therapy, and abide by The Joint Commission antimicrobial stewardship recommendations. The alert will appear after 48 hours of consecutive antimicrobial therapy.

The expectation with this BPA is for provider(s) of the primary treatment team or consulting team managing the antibiotics, (infectious diseases, ENT, etc..) to assess patient response to empiric therapy and adjust/define duration as appropriate based on available data.

Check it Out!

BestPractice Advisory - Green, Gary

Important (1)

ⓘ The patient has received antibiotic therapy for at least 48 hours.

Temp: (!) 100.4 °F (38 °C) (02/14/23 0900)

Hospital Medications

ampicillin-sulbactam (UNASYN) 3 g in sodium chloride 100 mL IVPB
cefTRIAxone (ROCEPHIN) 1 Gram IV
piperacillin-tazobactam (ZOSYN) 3.375 g in sodium chloride 50 mL IVPB

Last SPECIMENINFO: Not on file
Last CULTURE: Not on file
Last MICRO: Not on file
Last WBC, Collected: 2/10/2023 10:24 AM = 25.0 1000/uL
Last PROCALCITONI, Collected: 2/10/2023 8:42 AM = 0.05 ng/ml

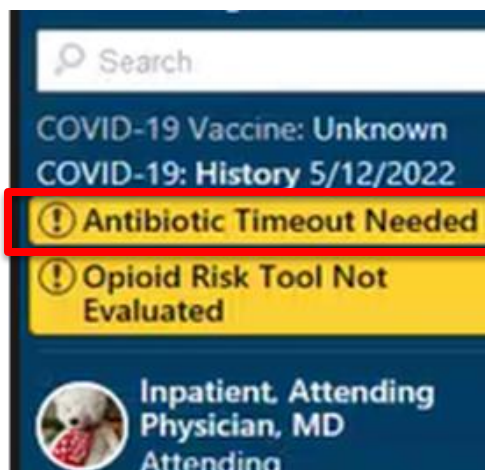
Order Do Not Order Consult Pharmacy - Convert antibiotics from IV to PO

Order Entry
Antibiotic Summary
Stewardship Navigator

Acknowledge Reason (Action taken)

Stop date entered For extended treatment/prophylaxis De-escalated antibiotics Stopped antibiotics ID consulted
Empiric therapy

Accept Cancel



When hovering over this BPA, patient-specific information and action items will be presented to the user. Antimicrobial, microbiology, and lab data (including recent WBC and procalcitonin, if ordered) will be displayed to help with efficient assessment of the patient’s regimen, as well as links to order entry, the antibiotic summary (screenshot below), and the stewardship navigator. The BPA will also provide easy access to a consult for Pharmacy to convert to oral antibiotics.

Antibiotic Monitoring

Go to now 2/5/2023 Sunday 0000 - Today 2359

OUR LADY OF LOURDES WOMEN'S & CHILDREN'S HOSPITAL - 2 EAST

24 Hrs:	02/05	02/06	02/07	02/08	02/09	02/10	
Antimicrobials							
ampicillin sod/sulbactam sod 3 gram...	0000	0000	0000	0000	0000	0000	ampicillin sod/sulbactam so...
Cultures							
Blood Culture						Streptoco...	Blood Culture
Wound Culture						Klebsiella...	Wound Culture
Gram Stain						>600 Gra...	Gram Stain
Labs							
Sodium							Sodium
Potassium							Potassium
Chloride							Chloride
CO2							CO2
Creatinine							Creatinine
BUN							BUN
Sed Rate							Sed Rate
Glucose							Glucose
Calcium							Calcium
Hematology							
WBC						25.0	WBC
RBC							RBC
Hgb							Hgb
Hct							Hct
Vitals							
Temperature						100.4 (38)	Temperature
Heart Rate							Heart Rate
Resp Rate							Resp Rate
BP							BP

To document that this BPA was viewed and assessed, an “Acknowledge Reason” button should be selected. Below are the available options with definitions:

- **Stop date entered** – Treatment duration has been determined and a stop date has been entered for the current antimicrobial therapy.

- **For extended treatment/prophylaxis** – Current antimicrobials are ordered for extended treatment duration (≥ 21 days, examples; osteomyelitis, complicated *Staphylococcus aureus* bacteremia, etc.) or chronic prophylaxis.
- **De-escalated antibiotics** – Antimicrobial therapy has been de-escalated (examples; spectra narrowed, converted to oral, etc.) based on microbiology data and/or patient response.
- **Stopped antibiotics** – Antibiotic therapy has been discontinued.
- **ID consulted** – The Infectious Diseases service has been consulted to manage the patient's antimicrobials.
- **Empiric therapy** – The current antimicrobials are continuing as empiric therapy (examples; culture data not available yet, unable to de-escalate or set treatment duration).