

## **POLICY FOR RESTRICTED ANTIMICROBIALS FOR INTRAVENOUS AND ORAL USE**

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Date: February 2024

Approved by: The Drugs & Therapeutics Committee  
Date:

Implementation  
Date: February 2024

Review Date: February 2027

## Introduction

Uncontrolled use of anti-microbial agents is clearly associated with increasing levels of antimicrobial resistance, including methicillin-resistant *Staph aureus* (MRSA), glycopeptide-resistant enterococci (GRE), carbapenemase-producing enterobacteriaceae (CPE), together with increasing levels of *Clostridium difficile* infection.

With the aim of controlling increasing levels of resistance within the Trust and community, some antibiotics (mostly broad spectrum agents) can only be used following discussion with a Consultant in Infection (or one of the Infection Team). Other antibiotics may be used only for specific indications as part of a Trust guideline.

Clinicians will be given a code for a particular antibiotic and duration which should be documented in the patient records.

## Aim

To ensure that the use of restricted antimicrobial agents is appropriate and that adequate consultation precedes their use.

- Antibiotics specified within a Trust guideline can be prescribed for that specific indication without discussion with the Infection Team.
  - In order to use an antibiotic for any indication outside of the Trust guidelines requires discussion with an Infection doctor
  - The approval code is issued by the Infection doctor which the clinician then needs to document on Wellsky, on the drug chart or clearly in the patient notes, together with the clinical indication. The Pharmacist will require this information in order to supply the antimicrobial.
  - So if a code is required, ensure you:
    - Speak with an infection doctor
    - Document code + indication in notes / Wellsky
    - Inform nursing staff / pharmacy (not all antibiotics are ward stock)
  - To document the code on Wellsky (see also appendix 1):
    1. When prescribing the antibiotic, from the order entry tab, select 'add order note'
    2. Enter a title and select 'other note' for type and enter the code in the detail box.
    3. Click save.
- If adding the note to an item already prescribed, click into the drug and select the 'order modify' tab, followed by 'add order note' and continue to steps 2 and 3 above.
- Indications where restricted antibiotics can be prescribed without discussion with the Infection team are listed in **table 2** below.

**Note:** Critical care units are exempt from this policy due to daily input from a Consultant in Infection

**Table 1:**

Where not in a Trust guideline the following antibiotics must only be prescribed on the advice of a Consultant in Infection. This list is not exhaustive - any new agents will require approval also.

Amikacin	Aztreonam	Ceftaroline	Ceftobiprole	Ceftazidime + avibactam	Colistin (IV)
Co-trimoxazole	Dalbavancin	Daptomycin	Doripenem	Ertapenem	Fidaxomicin
Cefiderocol	Imipenem	Moxifloxacin	Nalidixic acid	Neomycin	Telithromycin
Temocillin	Tigecycline	Meropenem	Tobramycin	Vancomycin (IV)	Teicoplanin
Meropenem+ vaborbactam	Piperacillin +tazobactam	Ciprofloxacin	Levofloxacin	Fosfomycin (IV)	

**NOTE - Any antibiotic recommended in a Trust guideline can be prescribed for that specific indication without requiring a code.**

**Table 2:**

*Restricted Antibiotics which can be prescribed for specified indications without approval of infection doctor*

Antibiotic	Approved indication / clinical specialty with approval
Ciprofloxacin	<ul style="list-style-type: none"> <li>Severe eye infection with <i>Pseudomonas</i> endophthalmitis, corneal abscess</li> <li>Oral treatment of bronchiectasis when <i>Pseudomonas</i> isolated</li> </ul>
Dapsone	<ul style="list-style-type: none"> <li>Dermatology</li> </ul>
Erythromycin	<ul style="list-style-type: none"> <li>Substitute for clarithromycin in pregnancy</li> <li>Gut motility stimulant</li> </ul>
Lymecycline/minocycline	<ul style="list-style-type: none"> <li>Dermatology</li> </ul>
Procaine penicillin	<ul style="list-style-type: none"> <li>GU medicine</li> </ul>
Rifaximin	<ul style="list-style-type: none"> <li>Encephalopathy (on consultant gastroenterologist advice only)</li> </ul>
Spectinomycin	<ul style="list-style-type: none"> <li>GU medicine</li> </ul>
Azithromycin prophylaxis	<ul style="list-style-type: none"> <li>Bronchiectasis patients with recurrent infections (on respiratory consultant advice only)</li> </ul>

Contact:

Consultant in Infection: ext. 642831 (or Out-of-hours via switchboard)

## Appendix 1

1. When prescribing the antibiotic, from the order entry tab, select 'add order note'



PIPERACILLIN/TAZOBACTAM (4g/0.5g) Injection

Communication zone

DRUG SEARCH **ADD ORDER NOTE** CLINICAL DRUG INFORMATION HELP

Drug Notes **Formulary** Drug Conflicts **Order Entry**

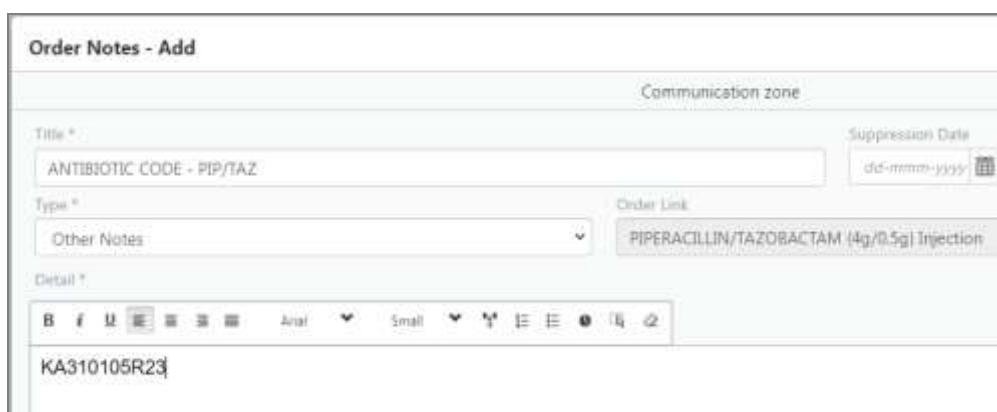
Regular Order

Dose \* 4.5 g

Frequency \* 1 x 4.5g stat

Frequency \* \*3 TIMES - THREE times a day Other frequency

2. Enter a title and select 'other note' for type and enter the code in the detail box.



Order Notes - Add

Communication zone

Title \* ANTIBIOTIC CODE - PIP/TAZ

Suppression Date dd-mm-yyyy

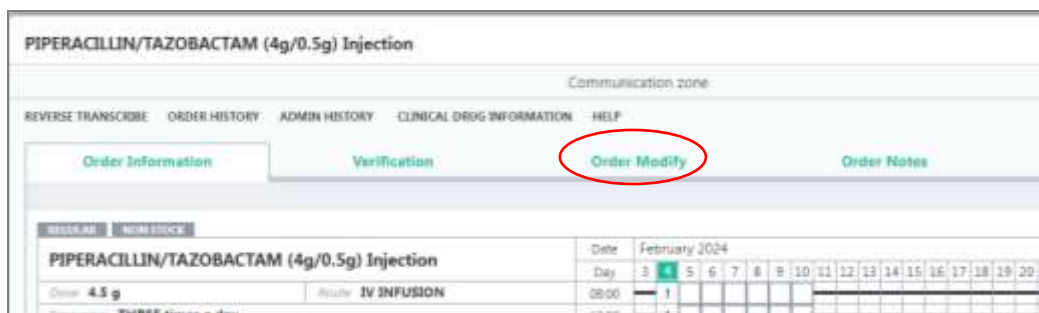
Type \* Other Notes

Order Link PIPERACILLIN/TAZOBACTAM (4g/0.5g) Injection

Detail \* KA310105R23

3. Click save (bottom right)

If adding the note to an item already prescribed, click into the drug and select the 'order modify' tab, followed by 'add order note' and continue to steps 2 and 3 above



PIPERACILLIN/TAZOBACTAM (4g/0.5g) Injection

Communication zone

REVERSE TRANSCRIBE ORDER HISTORY ADMIN HISTORY CLINICAL DRUG INFORMATION HELP

Order Information Verification **Order Modify** Order Notes

REGULAR NON STOCK

PIPERACILLIN/TAZOBACTAM (4g/0.5g) Injection

Dose 4.5 g Route IV INFUSION

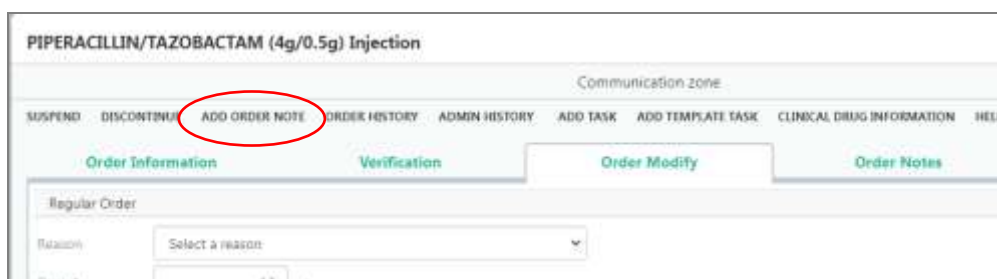
Frequency THREE times a day

Date February 2024

Day 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

08:00 1

13:00 1



PIPERACILLIN/TAZOBACTAM (4g/0.5g) Injection

Communication zone

SUSPEND DISCONTINUE **ADD ORDER NOTE** ORDER HISTORY ADMIN HISTORY ADD TASK ADD TEMPLATE TASK CLINICAL DRUG INFORMATION HELP

Order Information Verification **Order Modify** Order Notes

Regular Order

Reason Select a reason

Dose \* 4.5 g

Frequency \* THREE times a day