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	Hispita cose Ward cose   Marter ID 5. Antimicrobial use If more than 2 antimicrobials use extension sheet Page 3
	First Antimicrobial
	Route Paronicovi Onol Rootol Inhabition
	Doces per day Note: elternate day dosing = 0.5; 2 doses per week = 0.29; 3 doses per week = 0.43
	Strength of 1 dose Unit of measurement i grams ing Other
	Indication for antimicrobial use
	Diagnosis site cnde
	Reason recorded in notes No Yes Notes not evalable
	Meets local policy No Vos Inclasaccobic Interven
	Date storted on ourrent antimicrobial
	Coes current antimicrohial (choice or route) for this infection episode INo Yos represent a change from what was originally prescribed?
	Reason for change
	If change, date antimicrobial started for Infection/indication



Appendix A – Table 4a			
Antimicrobial generic name	ATCS		
Amoxicillin and enzyme inhibitor – co amoxiclav	J01CB02		
Piperacillin and enzyme inhibitor - piperacillin-tazobactam	J01CR05		
Metronidazole (oral, rectal)	POIABOI		
Metronidazole (parenteral/IV)	J01XD01		
Flucloxacillin	J01CF05		
Ciprofloxacin	J01MA02		
Cefuroxime	J01DC02		
Clarithromycin	101FA09		
Vancomycin parenteral (IV)	J01XA01		
Vancomycin enteral (oral) [Treatment of C. difficile infection only]	AD7AA09		
Gentamicin	J01GB03		
Benzylpenicillin	101CE01		
Meropenem	J01DH02		
Amikacin	J01GB06		
Amoxicillin	J01CA04		
Azithromycin	J01FA10		
Sulfamethoxazole and trimethoprim (co-trimoxazole)	J01EE01		
	J01XA02		



• Unit of measurement

	<u> </u>
Doses per day of the current antimicrobial	Report dosage for current antimicrobial, as prescribed in the medication chart or anaesthetic sheet:
current antimicrobiai	Number of doses per day
	For antimicrobials administered on alternate day dosing regimen, record 0.5 for doses per day
	For antimicrobials administered intermittently, as per therapeutic drug monitoring results (e.g., vancomycin in patients on dialysis), determine
	the number of doses per week (e.g., 2 doses = 2/7 = 0.29, 3 doses = 3/7 = 0.43)
	For example: Intermittent vancomycin given twice per week = 0.29







Code	Clinician's diagnosis of the site of infection for which the patient receives antimicrobial therapy
CNS	Central nervous system infection (e.g., meningitis, brain abscess)
EVE	Endophthalmitis
ENI	Infections of ear, nose, throat, larynx and mouth
BRON	Acute bronchitis or exacerbations of chronic bronchitis
PNEU	Pneumonia
CF	Cystic fibrosis infective exacerbation
CVS	Cardiovascular infection (e.g., endocarditis, vascular graft infection)
GI	Gastrointestinal infections (e.g., salmonellosis, C. difficile infection)
IA	Intraabdominal infection, including hepatobiliary
551551	Surgical site infection involving skin or soft tissue, but not bone
SSTO	Skin soft tissue infection, includes cellulitis, wound infection and deep soft tissue
	infection, not involving bone AND not related to surgery
BJSSI	Septic arthritis, osteomyelitis related to surgery at site of infection, includes prosthetic joint infection
BJO	Septic arthritis, osteomyelitis not related to surgery
CYS	Cystitis or symptomatic lower urinary tract infection
DYE	Pyelonephritis or symptomatic upper urinary tract infection
ASB	Asymptomatic bacteriaria – positive urine microbiology results in the absence of signs of urinary tract infection
OBGY	Obstetric or gynaecological infections, includes sexually transmitted infection (STI) in women
GUM	Prostatitis, epididymo orchitis, includes sexually transmitted infection (STI) in men
BAC	Laboratory-confirmed clinically-significant positive blood cultures (bacteraemia or bloodstream infection)
CSEP	Clinical sepsis (suspected bloodstream infection without microbiology laboratory confirmation of positive blood cultures OR results are not yet available OR blood cultures have not been collected OR laboratory has confirmed that blood cultures are negative after five days incubation) Note CSEP excludes patients with febrile neutropenia and infection in immunocompromised hosts (See HN below)
FN	Initiation points of the form of manifestation of infection without an obvious site In an immunocompromised host (e.g. patient with HIV infection, patient receiving chemotherapy or other immunosuppressive therapy)
SIRS	Systemic inflammatory response with no clear anatomical site
UND	Completely undefined site for infection with no systemic inflammation
NA	Not applicable, indication for antimicrobial use is not for 'treatment intention of infection = Cl. Ll or Hl'















## Determining duration & alteration of treatment



- Does current antimicrobial (choice or route) for this infection episode (CI, LI, HI) represent a change from what was originally prescribed (for this infection episode)?
  - Need to review medication chart
  - Make sure medication chart has not been rewritten if yes, will need to check previous medication chart to determine sequence of events
- If 'yes', need to decide what the reason for change was?
- If 'yes', need to determine the original start date of treatment for this infection episode (CI, LI, HI) - If there has been >1 change in treatment choice/route select the original start date at start of this current infection episode

	Determining duration & alteration of treatment		
REASON FOR CHANGE OF TREATMENT ANTIMICROBIAL CHOICE OR ROUTE	CODE		
ESCALATION	E		
DEESCALATION	D		
SWITCH IV TO PO	S		
ADVERSE EFFECTS	Α		
OTHER OR UNDETERMINED	OU CAN'T DETERMINE REASON OR REASON NOT COVERED BY ABOVE OPTIONS E, D, S, A*		
UNKNOWN	NOTES NOT AVAILABLE		
UNKNOWN To facilitate OPAT: meropenem to ertapenem, cefotaxime Concern about potential interaction – methotrexate and pe	to ceftriaxone, vancomycin to teicopla		



## Determining duration & alteration of treatment



- Final dose of PO co-amoxiclav for CAP at 8pm 24/05/17. Febrile and desaturations, with new CXR infiltrate at 6am 25/05/17. First dose of IV pip/tazo started 7am 25/05/17 for suspected HAP
- POD 2 laparoscopic appendicectomy for perforated appendicitis – Continued IV cefuroxime and switched from IV to PO metronidazole
- 3. Febrile neutropenia unresponsive to empiric pip/tazo and gentamicin on day 3, with addition of vancomycin
- 4. Empiric pip/tazo for VAP switched to flucloxacillin on day 4 upon receipt of BAL C&S >10<sup>5</sup> MSSA. PPS day 5





































	BSI Case Study – Form C: Section 5
mm	5. Antimigrobial use If more than 2 antimicrobiats use extension sheet Page 3 de の への人
120	PIRST Antimicrobial CIPYITAYONINGEN JOIFA09
C	Route Parenteral 🔯 Onal 🗌 Rectal 🛄 Inhalation
	Dosses per day . So Note: alternate day dosing = 0.5: 2 doses per week = 0.29: 3 dotes per week = 0.43
	Strength of 1 dose 500. Unit of measurement in grams 20 mg in other
	Incluation for antimicrobial use CI
	Diagnosis site code PNEU
	Reason recorded in notes 🔲 No 🗽 Yes 📄 Notes not available
	Meets local policy no No Ne locate Not known
	Dete started on current antimisrobiol
	Does current instimicrobial (choice or mule) for this infection episode represent a change from what was originally prescribed?
	Reason for change
	If change, care antimicrobal started for infection/indication



