



KNOW WHEN ANTIBIOTICS WORK

2018 Antibiogram

Medical Director
Shubha Kerkar, MD, AAHIVS

Infectious Diseases
Consultant
Xolani Mdululi, MD, AAHIVS

Lead Microbiologist
Tristan Palafox, CLS, MLS
(ASCP)^{CM}, (SM)^{CM}
(760) 323-6473

Lead Infection Preventionist
Ardalan Issa, MB.Ch.B, MPH,
CIC
(760) 323-6528

Antimicrobial Stewardship
Clinical Pharmacist
Diandra Ruidera, PharmD,
BCPS
(760) 449-5401

Parental Antimicrobial Agents	Commonly Used Adult Dose
Anti-Staphylococcal Agents	
Nafcillin	2gm IV q4h
Cefazolin	1gm IV q8h
Vancomycin	Per Pharmacy
<i>Linezolid</i>	600mg IV q12h
<i>Daptomycin</i>	6mg/kg IV q24h
Respiratory Tract Agents	
Azithromycin	500mg IV q24h
Doxycycline	100mg IV q12h
Levofloxacin	750mg IV q24h
Intra-abdominal & Pelvic Infection Agents	
Cefoxitin (2 nd gen)	2gm IV q8h
Piperacillin/tazobactam	3.375gm IV q8h
Anti-Pseudomonal Agents	
Gentamicin	Per Pharmacy
<i>Amikacin</i>	Per Pharmacy
Ceftazidime (3 rd gen)	2gm IV q8h
Cefepime (4 th gen)	1g IV q6h
Piperacillin/tazobactam	3.375gm IV q8h
Levofloxacin	750mg IV q24h
<i>Meropenem</i>	500mg IV q6h
Aztreonam	2gm IV q8h
Gram Negative Agents	
Ampicillin	2gm IV q4h
Ampicillin/sulbactam	3gm IV q6h
Cefuroxime (2 nd gen)	1.5gm IV q8h
Cefotaxime (3 rd gen)	2gm IV q8h
Ceftriaxone (3 rd gen)	1gm IV q24h
Trimethoprim/Sulfamethoxazole	160mg/800mg IV q12h
Anaerobic Agents	
Clindamycin	600mg IV q8h
Metronidazole	500mg IV q8h
Penicillins	
Penicillin G	4 MU IV q4h
Antifungals	
Fluconazole	200mg IV q24h
<i>Micafungin</i>	100mg IV q24h
<i>Liposomal amphotericin</i>	5mg/kg IV q24h
<i>Voriconazole</i>	4mg/kg IV q12h
Antivirals	
Acyclovir	10mg/kg IV q8h

Italicized antimicrobials = Restricted

Preferred Empiric Antimicrobial Regimens for Selected Disease States

Community Acquired Pneumonia (Duration: 5 days)

1. Ceftriaxone 1gm IV q24h **PLUS**
Azithromycin 500mg IV/PO q24h
2. PCN anaphylactic allergy:
Levofloxacin 750mg IV/PO q24h

Hospital Acquired Pneumonia (Duration: 7 days)

1. Cefepime 1gm IV q6h **PLUS** Vancomycin
2. PCN anaphylactic allergy:
Aztreonam 2gm IV q8h **PLUS** Vancomycin

COPD Exacerbation (Duration: 5 days)

1. Azithromycin 500mg IV/PO q24h

Clostridium difficile (Duration: 10 days)

1. Vancomycin 125mg PO q6h
2. Severe, complicated infection:
Vancomycin 500mg PO q6h **PLUS**
Metronidazole 500mg IV q8h

Urinary Tract Infection

(Duration: 5 days / 7 days for pyelonephritis)

1. Ceftriaxone 1gm IV q24h

Intra-abdominal Infection

(Duration: 5 days after adequate source control)

Mild/Community Acquired

1. Cefoxitin 2gm IV q8h
2. Ceftriaxone 2gm IV q24h **PLUS**
Metronidazole 500mg IV q8h

Severe/Hospital acquired:

3. Cefepime 1gm IV q6h **PLUS**
Metronidazole 500mg IV q8h
4. Piperacillin-tazobactam 3.375gm IV q8h

Skin & Soft Tissue Infection

Uncomplicated (Duration: 5 days)

1. Cefazolin 1gm IV q8h
2. Nafcillin 2gm IV q4h

Complicated/Diabetic Foot Infection

(Duration based on response and I&D/surgery)

1. Vancomycin **PLUS**
Cefepime 1gm IV q6h **PLUS**
Metronidazole 500mg IV Q8h

- Please de-escalate or narrow therapy when cultures return
- Doses are based on normal renal function
- Quinolones are not recommended for empiric therapy due to high level of bacterial resistance in the community

Oral Antimicrobial Agents	Commonly Used Adult Dose
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Anti-Staphylococcal Agents	
Dicloxacillin	500mg PO q6h
Cephalexin	500mg PO q6h
Trimethoprim/sulfamethoxazole	160mg/800mg PO q12h
Clindamycin	600mg PO q8h
Doxycycline	100mg PO q12h
<i>Linezolid</i>	600mg PO q12h

Respiratory Tract Agents	
Azithromycin	250mg PO q24h
Doxycycline	100mg PO q12h
Levofloxacin	750mg PO q24h

Intra-abdominal & Pelvic Infection Agents	
Amoxicillin-clavulanate	875mg PO q12h

Anti-Pseudomonal Agents	
Levofloxacin	750mg PO q24h

Gram Negative Agents	
Amoxicillin	500mg PO q8h
Cefuroxime (2 nd gen)	500mg PO q12h
Cefdinir (3 rd gen)	300mg PO q12h
Trimethoprim/Sulfamethoxazole	160mg/800mg PO q12h
Nitrofurantoin	100mg PO q12h

Anaerobic Agents	
Clindamycin	600mg PO q8h
Metronidazole	500mg PO q8h

Penicillins	
Penicillin VK	500mg PO q6h

Antifungals	
Fluconazole	200mg PO q24h
<i>Voriconazole</i>	200mg PO q12h

Antivirals	
Acyclovir	800mg PO 5x/day
Valacyclovir	1gm PO q12h
Oseltamivir	75mg PO q12h

Miscellaneous	
Vancomycin	125mg PO q6h
Fidaxomicin	200mg PO q12h

Italicized antimicrobials = Restricted

ORGANISMS	# ISOLATES	AMIKACIN	AMPICILLIN	AMP-SULBACT	CEFAZOLIN	CEFEPIME	CEFTAZIDIME	CEFTRIAXONE	CIPROFLOXACIN	CLINDAMYCIN	ERYTHROMYCIN	GENTAMICIN	LEVOFLOXACIN	LINEZOLID	MEROPENEM	NITROFURANTOIN	PENICILLIN G	PIP-TAZO	TETRACYCLINE	TRIM-SULFA	VANCOMYCIN	
Gram Negatives																						
<i>A. baumannii</i> complex	40			65		60	53	5	60			68	Refer to ciprofloxacin susceptibility		65			55		85		
<i>C. freundii</i>	47	100				100	66	68	89			89			100	94		68		83		
<i>Klebsiella (Enterobacter) aerogenes</i>	32	100				100	84	84	97			97			100	23		85		96		
<i>E. cloacae</i> complex	165	100				96	82	80	97			98			99	41		81		92		
<i>E. coli</i> (14% ESBL)	984	100	44	54	81	94	91	86	68			85			100	95		96		67		
<i>K. pneumo</i> (8% ESBL)	318	100		81	90	96	95	92	94			95			99	34		95		89		
<i>K. oxytoca</i> (15% ESBL)	59	100		58	64	100	100	85	98			88			98	83		93		83		
<i>Morganella morganii</i>	45	98		4	R	100	87	96	64			71			100			98		56		
<i>P. mirabilis</i>	154	99	74	82	75	90	96	90	67			83			100			96		63		
<i>P. aeruginosa</i>	287	98				92	92		78			87			89			93				
<i>S. marcescens</i>	42	100				100	100	100	93			100			100					98		
<i>S. maltophilia</i>	27#																			89		
Gram Positives																						
<i>S. epidermidis</i>	143								55	56	26	91	55	100		99	2		81		100	
<i>S. aureus: 52% MRSA</i>	478									55	13	85		100		100	0		93	96	100	
<i>S. aureus: 48% MSSA</i>	438								85	77	67	98	86	100		100	26		95	99	100	
<i>E. faecalis</i> (2% VRE)	328		100						82				83	100		100	98				98	
<i>E. faecium</i> (65% VRE)	55		27						22				26	100		14	27				35	
<i>S. pneumoniae</i>	26#							83m 96p		81	69		100	100			82m 100p		80		100	
<i>S. agalactiae</i> (Strep B)	71		100					100		40	27		99	100			100				100	

Notes: Nitrofurantoin reported for Urine isolates only

Ciprofloxacin susceptibilities for GN bacteria can be applied for Levofloxacin

denotes less than 30 isolates tested
m meningitis
p pneumonia

BOLD denotes >10% reduction in efficacy from 2016

The antibiogram of percent susceptible organisms represents only the current patterns in this hospital and is based solely upon retrospective analysis of the in-vitro test reports in the laboratory. This information on a few select and significant organisms has been extracted from a more comprehensive and cumulative laboratory data consisting of MIC (Mean Inhibitory Concentration) values. This service is offered jointly by the Laboratory and Pharmacy. For additional information or questions contact the laboratory at 760-323-6473 or the Pharmacy at 760-323-3205.