

PERCENT SUSCEPTIBILITY- COMMONLY ISOLATED BACTERIA AT YRMC (FROM INPATIENT AND OUTPATIENT ISOLATES COLLECTED 7/1/2019 TO 12/31/2019)

ORGANISM	# Isolates	Amikacin	Ampicillin	Ampicillin/sulbactam (Unasyn)	Azithromycin	Cefazolin	Cefepime	Ceftazidime	Ceftriaxone	Clindamycin	Doxycycline	Ertapenem (Invanz)	Gentamicin	Imipenem/cilastatin (Primaxin)	Levofloxacin (Levaquin)	Nafcillin/oxacillin	Nitrofurantoin (Macrobid®) (urine only)	Penicillin	Piperacillin/tazobactam (Zosyn)	Sulfa/trimethoprim (Bactrim, Septra)	Tetracycline	Tobramycin	Vancomycin	
GRAM-POSITIVE BACTERIA																								
Enterococcus faecalis	275		97										55 ^S		72		98	96						98
Enterococcus faecium	59												86 ^S											59
Staphylococcus aureus	924									79			94		58	58	100				97	95		100
Streptococcus pneumoniae**	25		100						96/88*	86					100			100		84	84			100
GRAM-NEGATIVE BACTERIA																								
Enterobacter cloacae	97	100					95	86	87				98	96	81				86	81			98	
Escherichia coli	2238	100	41	50		80	83	82	82				85	100	51		94		96	62			82	
Klebsiella pneumoniae	443	100		79		88	89	89	89				92	100	85		44		93	85			91	
Proteus mirabilis	151	100	61	75		89	95	95	95				77		55				100	57			77	
Pseudomonas aeruginosa	236	100					94	92					92	92	71								99	
ADDITIONAL INFORMATION																								
NO renal adjustment needed					✓				✓	✓	✓													
Usual adult daily dose (IV, Nitrofurantoin PO only)		15 mg/kg Q24h	1 gm Q6h	3 gm Q6h	500 mg Q24h	1 gm Q8h	1 gm Q12h	1 gm Q8h	1 gm Q24h	600 mg Q8h	100 mg Q12h	1 gm Q24h	5 mg/kg Q24h	500 mg Q6h	500 mg Q24h	2 gm Q4h	100 mg bid	2.5 MU Q6h	3.375gm Q6h	160 mg TMP Q6h	500mg Q6h	5 mg/kg Q24h	1 gm Q12h	

Note: Only antibiotic susceptibility >30% included ; tested on bioMerieux Vitek 2

VRE rate: 8.6% of all Enterococcus are resistant to vancomycin

MRSA rate: 42% of all *S. aureus* isolates are MRSA

Extended-spectrum beta-lactamase (ESBL) rate: 18% of ALL *E. coli* (blood cultures = 31% ESBL rate) and 11% *Klebsiella pneumoniae* (blood cultures = 17%) are ESBLs

*Meningitis isolates

^S For synergy use only

** Data from 1/1/19-12/31/19