

PERCENT SUSCEPTIBILITY- COMMONLY ISOLATED BACTERIA AT YRMC (FROM INPATIENT AND OUTPATIENT ISOLATES COLLECTED 1/1/2018 TO 6/30/2018)

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	231		94										59 ^S		74		100	94						100	
Enterococcus faecium	62												93 ^S											32	
Staphylococcus aureus	852									80			97		54	54	100			98	97			100	
Streptococcus pneumoniae**	30		100						100/97*			100			100			89		76	87			100	
GRAM-NEGATIVE BACTERIA																									
Enterobacter cloacae	83	100					96	82	83				98	98	87				85	84				94	
Escherichia coli	2267	100	43	49		80	85	85	85				84	100	65		94		95	64				83	
Klebsiella pneumoniae	914	100		81		91	92	92	92				95	100	95		40		94	87				93	
Proteus mirabilis	99	99	75	86		87	90	90	90				98		81				100	68				92	
Pseudomonas aeruginosa	263	99					90	90					94	93	72				89					97	
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		
Estimated hospital cost/day		\$	\$	\$\$\$	\$	\$	\$\$	\$\$	\$	\$\$\$	\$\$\$	\$\$\$\$	\$	\$\$\$	\$\$	\$\$\$\$	\$	\$	\$\$\$	\$\$	\$	\$	\$	\$\$	

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

VRE rate: 15% of all Enterococcus are resistant to vancomycin

MRSA rate: 46% of all *S. aureus* isolates are MRSA

Extended-spectrum beta-lactamase (ESBL) rate: 15% of ALL *E. coli* (blood cultures = 20% ESBL rate) and 7% *Klebsiella pneumoniae* (blood cultures = 9%) are ESBLs

*Meningitis isolates

^S For synergy use only

** Data from 7/1/17 – 6/30/18

Key: \$=<\$10; \$\$= \$10-19; \$\$\$= \$20-50; \$\$\$\$= >\$50