

**PERCENT SUSCEPTIBILITY- COMMONLY ISOLATED BACTERIA AT YRMC (FROM INPATIENT AND OUTPATIENT ISOLATES COLLECTED 7/1/2018 TO 12/31/2018)**

<b>ORGANISM</b>	# 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	
<b>GRAM-POSITIVE BACTERIA</b>																								
Enterococcus faecalis	217		93										56 <sup>S</sup>		71		99	93						96
Enterococcus faecium	44												95 <sup>S</sup>											45
Staphylococcus aureus	865									80			97		55	58	100			97	95			100
Streptococcus pneumoniae**	27		100						100/93*			100			93			87		76	81			100
<b>GRAM-NEGATIVE BACTERIA</b>																								
Enterobacter cloacae	79	97					92	76	72				96	94	85				81	78				95
Escherichia coli	2067	99	41	50		76	82	82	82				84	100	50		94		95	63				82
Klebsiella pneumoniae	481	100		78		89	91	91	91				94	99	85		50		93	85				93
Proteus mirabilis	133	100	65	80		86	93	93	93				89		70				98	70				92
Pseudomonas aeruginosa	257	96					92	91					89	88	73				89					96
<b>ADDITIONAL INFORMATION</b>																								
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:** 13% 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 = 22% ESBL rate) and 10% *Klebsiella pneumoniae* (blood cultures = 7%) are ESBLs

\*Meningitis isolates

<sup>S</sup> For synergy use only

\*\* Data from 1/1/18 – 12/31/18

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