

**PERCENT SUSCEPTIBILITY- COMMONLY ISOLATED BACTERIA AT YRMC (FROM INPATIENT AND OUTPATIENT ISOLATES COLLECTED 1/1/2022 TO 6/30/2022)**

ORGANISM	# Isolates	Amikacin	Ampicillin	Ampicillin/sulbactam (Unasyn)	Azithromycin	Cefazolin	Cefepime	Ceftazidime	Ceftriaxone	Clindamycin	Doxycycline	Ertapenem (Invanz)	Gentamicin	Levofloxacin (Levaquin)	Meropenem (Merrem)	Nafcillin/oxacillin	Nitrofurantoin (Macrobid®) (urine only)	Penicillin	Piperacillin/tazobactam (Zosyn)	Sulfa/trimethoprim (Bactrim, Septra)	Tetracycline	Tobramycin	Vancomycin
<b>GRAM-POSITIVE BACTERIA</b>																							
Enterococcus faecalis	291		100										75 <sup>S</sup>				100	98					100
Enterococcus faecium	39												87 <sup>S</sup>										54
Staphylococcus aureus	274					62				72			94	64		62	100			98	91		100
Streptococcus pneumoniae**	23		100						100/91*	91				96	100			100		86	91		100
<b>GRAM-NEGATIVE BACTERIA</b>																							
Enterobacter cloacae	80	100					90	75	73			84	99	98	100				75	89		99	
Escherichia coli	1555	100	51	58			88	87	86			100	88	72	100		96		96	70		86	
Klebsiella pneumoniae	369	100		79			92	92	92			99	96	89	99				94	90		95	
Proteus mirabilis	158	100	78	85			98	99	97			99	89	88	99 <sup>^</sup>				100	80		87	
Pseudomonas aeruginosa	181	99					90	90					95	75	92				86			98	
<b>ADDITIONAL INFORMATION</b>																							
NO renal adjustment needed					✓				✓	✓	✓					✓							
Usual adult daily dose (IV, Nitrofurantoin and TCN 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 BD Phoenix**

**VRE rate:** 46% of Enterococcus faecium are resistant to vancomycin

**MRSA rate:** 38% of all *S. aureus* isolates are MRSA

**Extended-spectrum beta-lactamase (ESBL) rate:** 15% of *E. coli* from all sources (*E. coli* from blood: 13%) and 9% *Klebsiella pneumoniae* from all source (*K. pneumoniae* from blood: 4%) are ESBL

\*Meningitis isolates

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

\*\* Data from 7/1/21-6/30/22

<sup>^</sup>Ertapenem susceptibility