

BACTERIUM (# of isolates) SYSTEMIC

Questions?  
**Microbiology**  
 775-8361  
**ID Pharmacist**  
 775-9877  
**IP Pharmacy**  
 775-9175

<i>S. aureus</i> <sup>4</sup> (1272)	<i>S. epidermidis</i> (169)	<i>S. hominis</i> (21 <sup>1</sup> )	<i>Strep agalactiae- Grp B</i> (141)	<i>S. pneumoniae</i> (163)	<i>E. faecalis</i> (207)	<i>E. faecium</i> (94)	<i>Acinetobacter baumannii</i> / <i>calcoaceticus</i> complex (63)	<i>C. freundii</i> complex(35)	<i>C. koseri</i> (20 <sup>1</sup> )	<i>E. aerogenes</i> (43)	<i>E. cloacae</i> complex (148)	<i>E. coli</i> (511)	<i>K. oxytoca/Raoullia ornithinolytica</i> (44)	<i>K. pneumoniae</i> (190)	<i>M. morganii</i> (37)	<i>P. mirabilis</i> (78)	<i>P. aeruginosa</i> (470)	<i>Salmonella</i> species (10 <sup>1</sup> )	<i>S. Marcescens</i> (53)	<i>Stenotrophomonas maltophilia</i> (58)
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**\*\*Values in boxes below represent percent susceptible\*\***

ANTIMICROBIAL AGENT																					Adjust Dose In Renal Impairment	Relative Cost Per Day																										
<b>BETA-LACTAMS</b>																																																
Amoxicillin/Clavulanate																					0	0	95	0	0	76	93	82	0	99											yes	\$\$						
Ampicillin	0	0																			99	39	0	0	0	0	0	45	0	0	0	68	90										yes	\$				
Ampicillin/Sulbactam	53	26	48																				36	0	85	0	0	49	43	71	14	76											yes	\$				
Ertapenem																							0	97	100	93	85	99	98	97	100	100					96						yes	\$\$\$\$ (NF)				
Imipenem/Cilastatin																							55	91	100			100	100	99		68	100	76											yes	\$\$\$		
Meropenem	53	26	48	96	74																		100	100	98	99	99		99	100		73	100	96											yes	\$\$\$		
Oxacillin	53	26	48																																				yes	\$								
Penicillin	13	15	29	96	89	98	33																																yes	\$								
Piperacillin/Tazobactam																									77	95	86	79	96	93	82	100	99	66	100	93											yes	\$\$\$
Ticarcillin/Clavulanate																							30	71	100	86	73	65	91	77	87	100	25	76	93	69											yes	NF
<b>CEPHALOSPORINS</b>																																																
Cefazolin (1st)																							0	0	85	0	0	77	77	77	0	72											yes	\$				
Cefoxitin (2nd)																							0	0	90	0	0	94	95	87	73	97											yes	\$				
Cefuroxime (2nd)																							0	0	70	0	0	80	93	76	0	85											yes	\$				
Cefotaxime (3rd)				96	93																																	yes	\$									
Ceftriaxone (3rd)					90																		26	74	100	84	71	84	95	82	84	83	0	100	93											no	\$	
Ceftazidime (3rd)																							30	74	100	86	80	85	98	82	78	100	72	100	98	44											yes	\$
Cefepime (4th)				94	87																		30	97	100	95	90	85	98	84	100	88	69	100	98											yes	\$	
<b>AMINOGLYCOSIDES</b>																																																
Amikacin																							39	100	100	100	99	99	100	99	100	97	97		100											yes	\$\$ <sup>†</sup>	
Gentamicin	97	100	76																				29	97	100	93	99	88	98	90	89	82	83		96											yes	\$ <sup>†</sup>	
Tobramycin																							34	97	100	93	99	87	98	86	89	81	88		91											yes	\$ <sup>†</sup>	
<b>FLUOROQUINOLONES</b>																																																
Levofloxacin	64	62	75	100	96	58																	34	97	100	98	97	67	95	88	76	67	64		94	80											yes	\$
Ciprofloxacin																							29	97	95	93	97	65	95	87	68	60	69		94											yes	\$	
<b>OTHERS</b>																																																
Clindamycin	69	46	85	56	87																																	no	\$									
Daptomycin <sup>5</sup>	99	99	100																																			yes	\$\$\$\$\$									
Erythromycin	42			35	45	13	11																															no	\$\$\$									
Linezolid	100	98	100	100	100	98	87																															no	\$\$\$									
Minocycline																							61	86	100	88	91	83	93	81	27	0		100	89											yes	\$\$\$ (NF)	
Synercid	99	96	95																																			no	\$\$\$\$\$									
Rifampin <sup>2</sup>	96	92	100																																			no	\$									
Tetracycline	94			22	74	25																	33			95	92	67	93	81	30	0		100											yes/no <sup>3</sup>	\$\$		
Trimethoprim/Sulfa	97				71																			94	90	93	94	66	93	79	65	73		100		93											yes	\$
Vancomycin	100	100	100	100	100	91	48																															yes	\$\$ <sup>†</sup>									

(\*) Decreased statistical validity with < 30 bacterial isolates, exercise discretion in interpretation of susceptibility (†) Additional cost for therapeutic serum monitoring (1) For Enterococcus, value implies synergy with an active cell wall agent (2) Adjunctive therapy, do not use as monotherapy (3) Varies based on agent, consult detailed reference (4) 47% of isolates represent oxacillin-resistant strains (ORSA) (5) Do not use for pulmonary infections. NF-Non-formulary \*\*\*It is a general recommendation to avoid agents with ≥15-20% resistance for empiric therapy\*\*\*

University Medical Center/ TTUHSC  
 2019 Antimicrobial Susceptibility Data