

2023 Inpatient Data - All sources other than urine

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Organisms

Per CLSI guidelines, there should be 30 or more isolates to be considered statistically adequate for selecting antibiotics for treatment.

	Number of Isolates	Penicillin	Ampicillin	Ox/Nafcillin	Ampicillin/Sulbactam	Piperacillin/Tazo	Cefazolin (first)	Cefuroxime (second)	CeFTAZidime (third)	CeFTRIaxone (third)	Cefepime (fourth)	Aztreonam	Meropenem	Daptomycin	Linezolid	Gentamicin	Tobramycin	Vancomycin	Clindamycin	Erythromycin	Metronidazole	Tetracycline	Trimethoprim-sulfa	Ciprofloxacin	Levofloxacin
GRAM POSITIVES																									
<i>Staphylococcus aureus</i> - ALL ¹	842			63			63			63			0	100	100	99		100	71	49		93	90	73	74
- <i>Staphylococcus aureus</i> - MSSA	529			100			100			100						99		100	78	69		96	98	93	95
- <i>Staphylococcus aureus</i> - MRSA	313			0			0			0		0	100 ²	100	99		100	60	16		88	78	37	38	
<i>Staphylococcus lugdunensis</i>	42			95			95			95						98	100	81	81		93	98	100	100	
<i>Staphylococcus coagulase negative sp.</i>	146			46			46			46						92	100	59	42		76	70	78	79	
<i>Streptococcus pneumoniae</i>	31	71						81		94			90					100		63		77	69		100
- <i>Streptococcus pneumoniae</i> (meningitis)	31	71								94															
<i>Enterococcus faecium</i>	49	18	18											94 ²	98	96 ³		33		8		18			
<i>Enterococcus faecalis</i>	102	100	100											100	99	86 ³		98		24		26			
<i>Strep. anginosus</i> grp (<i>S. milleri</i>)	70	100 ⁴								100 ⁴															98 ⁴
GRAM NEGATIVES																									
<i>Haemophilus influenzae</i>	56		62 ⁵																						
<i>Escherichia coli</i>	281		66 ⁷		69	94 ⁶	91 ⁷	93 ⁷	95	91	92		100			93	95					82	84	87 ⁷	85
<i>Enterobacter cloacae</i> complex	70					83 ⁶			80	73	93		99			100	99					99	91		97
<i>Klebsiella oxytoca</i>	33				76	88			100	88			100			100	100					100	100		100
<i>Klebsiella pneumoniae</i>	101		0 ⁷		76	92	86 ⁷	82 ⁷	87	88	86		98			97	92					76	88	88 ⁷	94
<i>Proteus mirabilis</i>	50				92	100			98	98			100			88	90					0	90		90
<i>Pseudomonas aeruginosa</i>	147					90			83		86	79	93				98							89	88
<i>Serratia marcescens</i>	67								84	82	93		100			99	94					24	99		97
<i>Stenotrophomonas maltophilia</i>	31																						97		84
<i>Bacteroides fragilis</i> group	31				90 ⁸																97 ⁸				

¹ 37% of all *Staphylococcus aureus* isolates from DH inpatient non-urine sources are MRSA

² Daptomycin: MRSA n = 109, *E. faecium* n = 32

³ Gentamicin should not be used for monotherapy. Synergy is predicted for therapy with penicillin, ampicillin, or vancomycin combined with gentamicin.

⁴ Penicillin n=70, ceftriaxone & levofloxacin n = 52

⁵ Negative β-lactamase predicts susceptibility to ampicillin

⁶ Piperacillin-tazobactam: *E. coli* n = 273; *E. cloacae* complex n = 58

⁷ Ampicillin, cefazolin, cefuroxime & ciprofloxacin: *K. pneumoniae* n=50, *E. coli* n= 134

⁸ *B. fragilis* group: 2022 & 2023 data combined

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