

# Altru Health System – 2023 Antibiogram

Gram-positive % susceptible	No. Isolates	Penicillin IV (non-meningitis/ meningitis)	Ampicillin	Oxacillin	Piperacillin/tazobactam	Cefotaxime/Ceftriaxone (non-meningitis/meningitis)	Erythromycin	TMP/SXT	Clindamycin	Doxycycline/Tetracycline	Vancomycin	Linezolid	Daptomycin	Gentamicin 500 (Synergy only)	Nitrofurantoin (Urine only)
E. faecalis	341		100		See Amp						100	99.6	100 <sup>8</sup>	84	100
E. faecium	45		26								66	100	Not tested	95	22
S. aureus	637			77	See Ox			96	85	98/93	100	99.2	100		
MRSA	151							95	81	97/96	100	100	100		
S. epidermidis	220			49	See Ox			NR	57	87/83	100	99.1	100		
S. pneumoniae <sup>1</sup>	54	98	85			98/90	63 <sup>a</sup>		92	-/70	100				
β-hemolytic Streptococcus <sup>5</sup>	56	98				100			80		100				
Streptococcus viridans <sup>6</sup>	61	85				98			93		98				

**NOTE:** Data include the 1<sup>st</sup> isolate of each organism for a given patient

	Sensitivity ≥ 90%
	Sensitivity ≥ 60% - < 90%
	Sensitivity < 60% or Not Recommended (NR)

1. S. pneumoniae: Penicillin (oral) => 85% sensitive
  - a. For erythromycin => non-blood isolates
2. Cefazolin => E. coli, K. pneumoniae, P. mirabilis breakpoints for uncomplicated UTI only
3. Aztreonam reported on non-urine isolates only => E coli (n=143); E. cloacae (n=63); K oxy (n=36); K pneumo (n=67); P mirab (n=34); Citrobacter sp (n=30); P aeruginosa (n=224)
4. P. aeruginosa => All antibiotics are tested by Kirby-Bauer except cefepime and meropenem which are tested by Etest
5. B-hemolytic Strep => blood culture isolates only (2022 + 2023)
6. Streptococcus viridans => blood culture isolates only (2022 + 2023)
7. Haemophilus gp (H. influenzae & H. parainfluenzae only) => azithromycin 100% susceptible
8. Daptomycin activity against E faecalis => 75% S; 25% S-DD (daptomycin dose 8-12 mg/kg)

The 2023 Antibigram can be found on AltruLink (Physician's => Forms & Tools => Antimicrobial Stewardship => Antibigrams) as well as on the provider dashboard under "AHS Provider Links".

# Altru Health System – 2023 Antibiogram

Gram-negative % susceptible	No. Isolates	Ampicillin	Ampicillin/subactam	Piperacillin/tazobactam	Cefazolin <sup>2</sup> (Urine only)	Ceftriaxone	Cefepime	Ertapenem/Meropenem	Aztreonam <sup>3</sup>	Ciprofloxacin	Gentamicin/Tobramycin	TMP/SXT	Nitrofurantoin (Urine only)
E. coli	1952	62	70	97	95	96		99.9/99.9	94	84	94/94	84	98
E. cloacae	134			82		NR	98	96/100	82	96	98/98	95	54
K. aerogenes	44			84		NR	100	97/100		97	100/100	93	26
K. oxytoca	117		78	95	97	88		100/100	97	99	100/99	96	97
K. pneumoniae	367		92	97		97		99.7/100	97	94	98/98	93	36
P. aeruginosa <sup>4</sup>	225			88			88	-/91	47	81	91/99		
P. mirabilis	153		92	100	98	100		98/100	100	91	94/93	90	NR
Citrobacter gp	122			92		NR	99	99/100	96	95	99/99	95	89
S. marcescens	37			92		NR	100	97/100	100	97	100/91	100	
Haemophilus gp <sup>7</sup>	50		84			97				100		72	

**NOTE:** Data include the 1<sup>st</sup> isolate of each organism for a given patient

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- S. pneumoniae: Penicillin (oral) => 85% sensitive
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