

CHI - Antibigram Analysis

Report Parameters:

Time Period: Jan 2023 - Dec 2023

Institution(s): 4-CHI Mercy Health - Valley City

Organism(s): Gram Positive Organisms, Gram Negative Organisms, Fungal Organisms

Antimicrobial(s) Tested: All Medications Tested

Specimen Source(s): All Specimen Sources

Deduplication Criteria: First Isolate per Patient per Year per Institution

Report Run Date/Time: 02/12/24 13:29 EST

CHI - Antibigram Analysis

Gram Positive Organisms	Isolates	Penicillins			Ceph 3rd Gen	Glycopeptides	Aminoglycosides	Quinolones		Miscellaneous Antibiotics						Macrolides	Tetracyclines
		Ampicillin	Oxacillin	Penicillin	Ceftriaxone	Vancomycin	Gentamicin	Ciprofloxacin	Levofloxacin	Clindamycin	Daptomycin	Linezolid	Nitrofurantoin	Rifampin	Sulfamethoxazole-Trimethoprim	Erythromycin	Doxycycline
All Specimen Sources																	
Enterococcus faecalis	12*	100%*				100%*		67%*	67%*				100%*				0%*
Enterococcus faecium	1*	0%*				0%*		0%*	0%*			100%*	100%*				0%*
Enterococcus faecium (Vancomycin Resistant- VRE)	1*	0%*				0%*		0%*	0%*			100%*	100%*				0%*
Enterococcus spp.	2*	100%*				100%*		100%*	100%*				50%*				50%*
Staphylococcus aureus	14*		50%*			100%*	100%*		79%*	83%*	100%*	100%*	100%*	100%*	100%*	50%*	100%*
Staphylococcus aureus (Methicillin Resistant- MRSA)	7*		0%*			100%*	100%*		57%*	83%*	100%*	100%*	100%*	100%*	100%*	17%*	100%*
Staphylococcus spp.	8*		63%*			100%*	100%*		75%*	71%*			100%*	100%*	100%*	57%*	100%*
Streptococcus pneumoniae	3*			100%*	100%*	100%*			100%*						100%*	67%*	100%*

* Data for fewer than 30 isolates per organism, per selected time frame is not statistically significant according to CLSI standards.

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Gram Negative Organisms	Isolates	Penicillins				Ceph 1st Gen	Ceph 2nd Gen			Ceph 3rd Gen			Ceph 4th Gen	Carbapenems		Aminoglycosides		Quinolones		Miscellaneous Antibiotics			Tetracyclines
		Amoxicillin-Clavulanate	Ampicillin	Ampicillin-Sulbactam	Piperacillin-Tazobactam	Cefazolin	Cefoxitin	Cefuroxime	Cefotaxime	Ceftazidime	Ceftriaxone	Cefepime	Ertapenem	Meropenem	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Aztreonam	Nitrofurantoin	Sulfamethoxazole-Trimethoprim	Tetracycline	
All Specimen Sources																							
Acinetobacter spp.	1*			100%*							100%*		100%*		100%*	100%*							
Citrobacter spp.	7*		14%*	43%*	100%*	14%*	71%*	14%*	86%*	100%*	43%*	86%*	100%*	100%*	100%*	100%*	86%*	86%*	57%*	57%*	100%*	100%*	
Enterobacter cloacae	1*		0%*	0%*	100%*	0%*	0%*	0%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*		100%*	100%*	
Escherichia coli	82	83%*	72%	76%	95%	88%	97%	97%	100%	100%	98%	97%	100%	100%	96%	94%	90%	90%	97%	100%	83%	80%	
Escherichia coli, ESBL	3*		33%*	67%*	100%*	33%*	100%*	33%*	100%*	100%*	100%*	33%*	100%*	100%*	67%*	67%*	33%*	33%*	100%*	100%*	100%*	100%*	
Klebsiella oxytoca	4*		0%*	75%*	100%*	25%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	75%*	
Klebsiella pneumoniae	20*		0%*	90%*	95%*	95%*	90%*	85%*	100%*	100%*	100%*	95%*	95%*	100%*	95%*	95%*	95%*	100%*	100%*	78%*	85%*	70%*	
Klebsiella pneumoniae, ESBL	1*		0%*	0%*	0%*	0%*	0%*	0%*				0%*	0%*	100%*	0%*	0%*	0%*	100%*		100%*	0%*	0%*	
Morganella morganii	1*		0%*	0%*	100%*	0%*	100%*	0%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	0%*	0%*	0%*	
Proteus mirabilis	13*		92%*	92%*	100%*	92%*	100%*	100%*	100%*	100%*	92%*	100%*	100%*	100%*	100%*	92%*	100%*	100%*	92%*	0%*	92%*	0%*	
Proteus spp.	1*		0%*	100%*	100%*	0%*	100%*	0%*	100%*	100%*	0%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*		100%*	0%*	
Proteus vulgaris	1*		0%*	0%*	100%*	0%*	0%*	0%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	0%*	0%*	0%*	
Pseudomonas aeruginosa	6*				100%*					100%*		83%*		100%*	100%*	83%*	83%*	83%*					
Serratia marcescens	1*		0%*	0%*	100%*	0%*	0%*	0%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*	0%*		100%*	0%*	

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Fungal Organisms

No susceptibility data found for the selected criteria.