

Veterans Administration, VISN 23 - Antibigram Analysis

Report Parameters:

Time Period: Jan 2022 - Dec 2023

Institution(s): Veterans Administration, BLK Hotspring, Veterans Administration, BLK Hill Fort Meade

Organism(s): Gram Positive Organisms, Gram Negative 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: 05/15/24 08:43 CDT

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Gram Positive Organisms	Isolates	Penicillins			Ceph 1st Gen	Ceph 3rd Gen	Glycopeptides	Aminoglycosides	Quinolones			Miscellaneous Antibiotics						Macrolides	Tetracyclines
		Ampicillin	Oxacillin	Penicillin	Cefazolin	Ceftriaxone	Vancomycin	Gentamicin	Ciprofloxacin	Levofloxacin	Moxifloxacin	Clindamycin	Dalfopristin-Quinupristin	Linezolid	Nitrofurantoin	Rifampin	Sulfamethoxazole-Trimethoprim	Erythromycin	Tetracycline
All Specimen Sources																			
Enterococcus faecalis	104	100%		97%	100%*		100%	80%*	84%	84%				100%	100%				34%
Enterococcus faecium	4*	0%*		0%*			50%*		0%*	0%*				100%*	0%*				33%*
Enterococcus faecium (Vancomycin Resistant- VRE)	2*	0%*		0%*			0%*		0%*	0%*				100%*	0%*				0%*
Enterococcus spp.	3*	100%*		50%*			33%*	100%*							100%*				0%*
Staphylococcus aureus	95	20%*	69%	11%*	33%*		99%	100%*	74%	75%	97%	75%	100%*	100%	100%*	99%	99%	50%*	93%
Staphylococcus aureus (Methicillin Resistant- MRSA)	32	0%*	3%	0%*	0%*		97%	100%*	33%	33%	100%*	71%*	100%*	100%	100%*	100%	100%	0%*	87%
Staphylococcus epidermidis	43	0%*	50%	0%*	100%*		100%	100%*	89%	89%	100%*	60%*	100%*	100%	100%	98%	64%*	0%*	86%
Staphylococcus epidermidis (Methicillin Resistant- MRSE)	22*		0%*	0%*			100%*		89%*	89%*		67%*		100%*	100%*	95%*	60%*		77%*
Staphylococcus lugdunensis	7*		100%*				100%*		100%*	100%*		75%*			100%*	100%*	100%*		86%*
Staphylococcus spp.	32		63%	0%*	100%*		100%	100%*	83%*	83%*		83%*		100%*	100%*	100%*	86%*		87%
Streptococcus agalactiae (Group B Streptococcus)	25*	100%*		100%*			100%*					0%*							
Streptococcus pneumoniae	1*			100%*		100%*	100%*			100%*		100%*					100%*	100%*	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	Imipenem-Cilastatin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Moxifloxacin	Nitrofurantoin	Sulfamethoxazole-Trimethoprim	Tetracycline
All Specimen Sources																					
Acinetobacter baumannii	2*				100%*					100%*	50%*	50%*	100%*	100%*	100%*	100%*	100%*			100%*	
Acinetobacter spp.	1*				100%*					100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*			0%*	
Citrobacter freundii	8*		0%*	100%*	100%*	0%*	0%*		100%*	100%*	100%*	100%*	100%*	88%*	100%*	100%*	100%*		100%*	88%*	100%*
Citrobacter koseri	8*				100%*	100%*	86%*			100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*		100%*	100%*	
Citrobacter spp.	1*				100%*	0%*	100%*			100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*		0%*	100%*	
Enterobacter cloacae	33	0%*	0%*	0%*	97%	0%*	0%*	0%*	100%*	94%	97%	100%*	100%*	100%	100%*	100%	100%*		48%*	97%	100%*
Enterobacter spp.	2*	0%*	0%*	0%*	100%*	0%*	0%*		100%*	100%*	100%*	100%*	0%*	100%*	100%*	100%*	100%*		0%*	100%*	100%*
Escherichia coli	218	100%*	62%	69%	96%	89%	93%	100%*	100%*	94%	93%	94%	100%	94%	94%	90%	91%		96%	83%	75%*
Escherichia coli, ESBL	1*				100%*	0%*					0%*		100%*	0%*		0%*			0%*	0%*	
Klebsiella aerogenes	13*				92%*	0%*	0%*			85%*	85%*	91%*	85%*	92%*	100%*	100%*	100%*		10%*	92%*	
Klebsiella oxytoca	23*	100%*	0%*	65%*	96%*	78%*	100%*	50%*	50%*	96%*	96%*	100%*	100%*	96%*	95%*	100%*	100%*		93%*	91%*	100%*
Klebsiella pneumoniae	69	100%*	0%	87%	100%	98%	97%	100%*	100%*	99%	99%	98%	100%	99%	95%	99%	100%		26%	94%	100%*
Morganella morganii	7*		0%*	0%*	100%*	0%*	29%*			100%*	100%*	100%*	71%*	100%*	100%*	100%*	100%*		0%*	86%*	
Pasteurella multocida	1*		100%*								100%*							100%*		100%*	100%*
Proteus mirabilis	39	100%*	76%	77%	100%	96%*	100%	100%*	100%*	97%	97%	97%	54%	79%	76%	74%	74%		0%*	74%	0%*
Proteus vulgaris	2*		0%*	100%*	100%*	0%*	100%*			100%*	100%*	100%*	100%*	100%*	100%*	50%*	50%*		0%*	50%*	
Providencia spp.	1*		0%*	100%*	100%*		100%*			100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*			100%*	
Pseudomonas aeruginosa	42				100%	0%*				88%		70%	98%	98%	100%	90%	86%				
Pseudomonas spp.	3*				100%*	0%*				100%*	33%*	100%*	100%*	100%*	100%*	100%*	100%*			33%*	
Raoultella spp.	2*		0%*	100%*	100%*		100%*			100%*	100%*	100%*	100%*	100%*	100%*	100%*	100%*			100%*	
Salmonella spp.	1*		0%*							100%*	100%*					100%*	100%*			0%*	
Serratia marcescens	6*					0%*	17%*			100%*	100%*	100%*		100%*	100%*	100%*	100%*		0%*	100%*	
Stenotrophomonas maltophilia	1*																100%*			100%*	

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