NORTH SHORE UNIVERSITY HOSPITAL

2022 Antibiogram

Gram Negative Organisms

Grail regaive Organisms																								
			stance s (%)	Beta-Lactams										Beta-Lactam Combination Agents		Quinolones		Aminoglycosides			Others			
Organism	# Isolates	CRO rate	ESBL rate	Ampicillin	Cefazolin	Ceftazidime	Ceffriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Imipenem	Meropenem	Ampicillin / Sulbactam	Piperacillin / Tazobactam	Ciprofloxacin	Levofloxacin	Amikacin	Gentamicin	Tobramycin	Tigecycline	Minocycline	Trimethoprim- Sulfamethoxazole	Nitrofurantoin (urine only)
Acinetobacter baumanii/nosocomialis group	44	25%		IR		80		60		IR	IR	73	68	82		59	65	85	67	77			71	
Citrobacter freundii	66	2%		IR	IR		74	100	IR	82	98	98	98	IR	89**	89	95	100	98	95	100		88	100
Citrobacter koseri	72	0%		IR	96		97	99	96	97	100	100	100	99	100**	97	97	100	99	99	99		100	81
Enterobacter cloacae complex	198	4%		IR	IR		67	92	IR	75	90	94	97	IR	77**	85	94	98	97	95	99		83	48
Escherichia coli	2995	0.3%	16%	44	76		82	83	96	83	100	100	100	58	93**	65	69	99	87	87	100		68	97
Klebsiella aerogenes	83	5%		IR	IR		71	92	IR	84	95	81	95	IR	83**	94	98	100	95	95	98		96	39
Klebsiella oxytoca/ Raoultella ornitholytica	141	0%	1%	IR	25		87	94	97	88	100	99	100	84	94**	89	96	100	96	93	99		89	93
Klebsiella pneumoniae	846	4%	16%	IR	76		80	81	92	81	96	97	97	68	87**	76	85	99	92	89	98		77	57
Klebsiella variicola	80	0%		IR	81		89	90	96	89	96	98	96	86	94**	90	94	100	94	95	100		85	75
Morganella morganii	93	0%		IR	IR		91	99	91	91	100		100	11	99**	72	73	100	95	96	IR		75	IR
Proteus mirabilis	531	0.2%	15%	66	79		84	85	99	85	100		100	85	95**	72	73	100	89	89	IR	IR	76	IR
Pseudomonas aeruginosa	826	16%		IR		89	IR	88		78	IR	81	87	IR	87	82	78	97	87	96	IR		IR	
Serratia marcescens	131	0%		IR	IR		78	100	IR	87	100		100	IR	92**	91	95	100	99	93	99		98	IR
Stenotrophomonas maltophilia	95			IR			IR			IR	IR	IR	IR	IR	IR		96	IR	IR	IR		97***	99	
Notes:																								

Notes:

This antibiogram was generated using guidelines established by the Clinical and Laboratory Standards Institute (CLSI) in document CLSI M39-Ed5 2022. Only the first isolate of a given organism per patient per year is included.

Values in each cell represent the percentage of isolates susceptible to the listed antibiotic. Grey cells indicate antibiotics which are not routinely tested or reported by the microbiology laboratory.

CRO = Carbapenem Resistant Organism (does not include intermediate isolates); ESBL = Extended Spectrum Beta-Lactamase producing organism; IR = Intrinsic Resistance

*Fewer than 30 isolates will not accurately reflect the true susceptibility pattern of an organism. Please use discretion when interpreting these data.

**Percent susceptible includes isolates interpreted as Susceptible Dose Dependent (SDD).

***Minocycline susceptibility results were calculated from 36 isolates.

Prepared by: Northwell Health Clinical Microbiology Laboratory

NORTH SHORE UNIVERSITY HOSPITAL

2022 Antibiogram

Gram Positive Organisms

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	Resis Rate		Beta-Lactams									Macrolides/ Tetracyclines			Quinolones		Others					HIGH-LEVEL RESISTANCE SCREENS			
Organism	# Isolates	MRSA Rate	VRE Rate	Penicillin	Penicillin (meningitis)	Penicillin (non-meningitis)	Penicillin (oral)	Ampicillin	Oxacilin	Cefazolin	Ceffriaxone	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Clindamycin	Erythomycin	Tetracycline	Ciprofloxacin	Levofloxacin	Trimethoprim- sulfamethoxazole	Nitrofurantoin (urine only)	Vancomycin	Daptomycin	Linezolid	Gentamicin	Streptomycin
Coagulase Negative Staphylococci	360								43	42				53	32	79	63		61		100	100	100		
Staphylococcus lugdunensis	55								82	82				68	70	85	98		100		100	100	100		
Staphylococcus epidermidis	204								29	29				47	21	82	52		46		100	100	100		
Staphylococcus aureus	874	36							63	63				71	46	89	63		96	100	100	100	100		
Enterococcus faecalis	1202		5					100		IR	IR	IR	IR	IR		22	76	79	IR	100	95	100	100	76	84
Enterococcus faecium	373		57					11		IR	IR	IR	IR	IR		30	9	10	IR	52	41	85 [§]	99	66	59
Streptococci (Viridans Group)	101			91							98			81	56			72			99				
Streptococcus agalactiae (Group B)	36			100										39				97			100				
Streptococcus pneumoniae	20*				67	83	67					80	90	89	58			94	79		90				

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Values in each cell represent the percentage of isolates susceptible to the listed antibiotic. Grey cells indicate antibiotics which are not routinely tested or reported by the microbiology laboratory.

MRSA = Methicillin Resistant Staphylococcus aureus; VRE = Vancomycin Resistant Enterococci; IR = Intrinsic Resistance

Coagulase Negative Staphylococci includes the following species: S. epidermidis, S. lugdunensis, S. haemolyticus, S. hominis, S. saprophyticus, and S. capitis.

Streptococci (Viridans Group) includes the following species: S. mitis group, S. mitis group, S. mitleri, S. intermedius, S. constellatus, S. bovis, S. anginosis, S. sanguinis, S. salivarius/vestibularis group, S. suis, S. gallolyticus, S. lutetiensis, and S. mutans.

*Fewer than 30 isolates will not accurately reflect the true susceptibility pattern of an organism. Please use discretion when interpreting these data.

§Percent susceptible includes isolates interpreted as Susceptible Dose Dependent (SDD).

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