

## Cayuga Health System Antibiogram 2020

### Gram Negative Bacilli

% SUSCEPTIBLE

Organism	# ISOLATES	AMOX/CLAV		AMPICILLIN		AZTREONAM		CEFAZOLIN		CEFTRIAXONE		CEFIPIME		CIPROFLOXACIN		GENTAMICIN		IMIPENIM		LEVOFLOXACIN		MEROPENEM		NITROFURANTOIN		PIP/TAZOBACTAM		TETRACYCLINE		TRIMETH/SULFA		
		PO	IV	PO	IV	PO	IV	PO	IV	PO	IV	PO	IV	PO	IV	PO	IV	PO	IV	PO	IV	PO	IV	PO	IV	PO	IV	PO	IV	PO	IV	
<i>Enterobacter cloacae</i>	128																															
<i>Escherichia coli</i>	3617	86	58	94	93	89	96	98	98	93	94	94	100	98	85	93	99	100	100	85	100	100	100	98	100	31	90	97	81	94	92	
<i>Klebsiella pneumoniae</i>	567	98		98	98	96	98	98	97	99	99	98	97	99	97	99	99	99	97	97	99	99	100	100	31	97	87	95	94	93		
<i>Klebsiella oxytoca</i>	94	93		99	99	78	98	99	90	99	99	99	98	99	94	94	99	100	100	86	99	99	100	73	96	96	95	94	94	94		
<i>Proteus mirabilis</i>	285	99	67	98	98																										82	
<i>Ps. aeruginosa</i>	333																															

35% MRSA  
9% VRE  
5.2% ESBL  
<1% CRE

#### Interpretation of Susceptibility Results

Results are reported as minimum inhibitory concentrations (MIC), the minimum amount of drug needed to inhibit growth. Interpretive criteria are based on achievable serum levels. Thus, for certain antibiotics, the amount excreted into the urine via the kidneys is above the MIC, and may be reported as resistant, but the agent is effective clinically in this site. Intermediate results (I) especially for beta lactam agents, indicate that the organism may be susceptible or resistant but the in vitro tests are not sensitive enough to determine specifically. For this antibiogram, intermediate results are not included within the %S category.

### Gram Positive Cocci

% SUSCEPTIBLE

Organism	# ISOLATES	AMPICILLIN		CEFTRIAXONE		CEFOTAXIME		AUGMENTIN		AZITHROMYCIN		CEFACLOR		CEFUROXIME		CLINDAMYCIN		ERYTHROMYCIN		GENTAMICIN		LEVOFLOXACIN		OXACILLIN		PENICILLIN		TETRACYCLINE		VANCOMYCIN		NITROFURANTOIN		TRIMETH/SULFA	
		IV/PO	IV	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	PO	IV/PO	
<i>Enterococcus faecium</i>	57	26																																	
<i>Enterococcus faecalis</i>	416	100																																	
<i>Staph aureus(otal)</i>	990																																		
MRSA	343																																		
non-MRSA	647																																		
Beta Strep, Grp B	136	100																																	
<i>Strep pneumoniae</i>	22		**		***	100	68	86	81	100	73															*	100	100	100					91	

\* Penicillin breakpoints: Oral: 89  
Non-Meningitis: 100  
Meningitis: 89

\*\*Ceftriaxone breakpoints: Non-Meningitis: 100  
Meningitis: 100

\*\*\*Cefotaxime breakpoints: Non-Meningitis: 100  
Meningitis: 100

X AP

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