

## Cayuga Health System Antibiogram 2019

39% MRSA
8% VRE
6% ESBL
0.8% CRE

### Gram Negative Bacilli

% SUSCEPTIBLE

**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.

# ISOLATES	AMOX/CLAV		AMPICILLIN		AZTREONAM		CEFAZOLIN		CEFTRIAZONE		CEFTIPIME		CIPROFLOXACIN		GENTAMICIN		IMPENEM		LEVOFLOXACIN		MEROPENEM		NITROFURANTOIN		PIP/TAZOBACTAM		TETRACYCLINE		TRIMETH/SULFA	
	PO	IV/PO	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	
<i>Enterobacter cloacae</i>	137		88		82	96	96	99	100	96	96	25	88	93	91															
<i>Escherichia coli</i>	3863	87	59	94	89	94	94	84	94	100	84	100	94	97	81	81														
<i>Klebsiella pneumoniae</i>	635	93		94	92	94	94	92	96	99	93	99	33	94	84	88														
<i>Klebsiella oxytoca</i>	96	95		96	63	97	99	98	100	100	100	100	72	94	88	96														
<i>Proteus mirabilis</i>	297	100	69	98	95	99	99	84	95		93	99		99		90														
<i>Ps. aeruginosa</i>	421					90	83	92	83	75	91			100																

**Organism**

### Gram Positive Cocci

% SUSCEPTIBLE

# ISOLATES	AMPICILLIN		CEFTRIAZONE		CEFOTAXIME		AUGMENTIN		AZITHROMYCIN		CEFACLOR		CEFUROXIME		CLINDAMYCIN		ERYTHROMYCIN		GENTAMICIN		LEVOFLOXACIN		OXACILLIN		PENICILLIN		RIFAMPIN		TETRACYCLINE		VANCOMYCIN		NITROFURANTOIN		TRIMETH/SULFA	
	IV/PO	IV	IV/PO	PO	IV/PO	PO	IV/PO	IV/PO	IV/PO	IV	IV/PO	IV	IV/PO	IV	IV/PO	IV	IV/PO	IV	IV/PO	IV	IV/PO	IV	IV/PO	IV	IV/PO	IV	IV/PO	IV	IV/PO	IV	IV/PO	IV	IV/PO			
<i>Enterococcus faecium</i>	55	15														13					13			15	38	13										
<i>Enterococcus faecalis</i>	480	99														78					98			25	98	99										
<i>Staph aureus(total)</i>	1195									76	44	99			61						99	92	100	100	100	97										
<b>MRSA</b>	466									74	14	99									97	93	100	100	100	96										
<b>non-MRSA</b>	729									77	63	100			100						100	92	100	100	100	97										
<i>Beta Strep, Grp B</i>	156	100								22						98							17	100												
<i>Strep pneumoniae</i>	32		**	***	100	63	77	81	94	63					100						*		97	100										90		

\* Penicillin breakpoints: Oral: 78  
Non-Meningitis: 97  
Meningitis: 80

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

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

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MAR 06 2020

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MAR 03 2020

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