



TEST UPDATES

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To: Community Providers Office Managers Laboratory Staff

Subject: 2019 Antimicrobial Susceptibility Trend Report

We are pleased to once again provide separate antibiograms for our outpatient and inpatient providers. If you require further assistance, please contact Microbiology or our Infectious Disease Department.

Susceptibility Trend Notes:

- Numbers reported are percent (%) of organisms susceptible to antibiotic.
- Maximum number (#) of strains tested is listed in ()
- ↑ Demonstrates a greater than (>) 5% increase in susceptibility from previous year
- ↓ Demonstrates a greater than (>) 5% decrease in susceptibility from previous year



2019 Antibigram Outpatient Community Providers (January-December)

Relative Total Cost Per Day PO/IV ¹	\$	\$	\$	\$	\$	\$
Gram Negative Organisms Legend: • Susceptible Reported as % • (Maximum # strains tested) ↑ > 5% increase in Susceptibility from Previous Year ↓ > 5% decrease in Susceptibility from Previous Year	Cefazolin ²	Ceftriaxone	Ciprofloxacin	Levofloxacin	Trimethoprim/sulfa	Nitrofurantoin Urinary Tract Infections only
<i>Escherichia coli</i> (1875)	93 ²	95	89	89	84	97
<i>Enterobacter species</i> (153)	0	88	99	99	92	32 [↑]
<i>Klebsiella species</i> (444)	90 ²	91	92	93	88	44
<i>Proteus species</i> (146)	99 ²	98	82 [↓]	85	87	0
<i>Pseudomonas aeruginosa</i> (157)	-	-	93	87	-	-

Relative Total Cost Per Day PO/IV ¹	\$	\$	\$	\$	\$	\$\$	\$	\$	\$	\$	\$	\$	\$
Gram Positive Organisms Legend: • Susceptible Reported as % • (Maximum # strains tested) ↑ > 5% increase in Susceptibility from Previous Year ↓ > 5% decrease in Susceptibility from Previous Year	Ceftriaxone Non-meningitis	Ceftriaxone Meningitis	Clindamycin	Erythromycin	Levofloxacin	Linezolid	Oxacillin ⁴	Penicillin	Penicillin Non-meningitis	Penicillin Meningitis	Tetracycline	Trimethoprim/sulfa	Nitrofurantoin Urinary Tract Infections only
<i>Staphylococcus aureus</i> (675)	-	-	78	48	77	100	68 [↑]	0	-	-	94	97	100
Methicillin Resistant <i>Staphylococcus aureus</i> ³ (153)	-	-	78	14	45	100	0	0	-	-	94	97	9/9
<i>Staphylococcus coagulase negative</i> (173)	-	-	65 [↓]	45 [↓]	69 [↓]	100	60	0	-	-	83 [↓]	69 [↓]	100
<i>Enterococcus faecalis</i> (220)	-	-	-	-	79	100	-	100	-	-	-	-	99
<i>Enterococcus faecium</i> (35)	-	-	-	-	6 [↓]	100	-	11 [↓]	-	-	-	-	17
<i>Streptococcus pneumoniae</i> (51)	96	80	75	45	100	100	-	-	96	67	77	-	-
<i>Streptococcus agalactiae</i> (Group B) (35)	-	-	34	29	100	100	-	100	-	-	-	-	-

- Relative Total Cost per Day PO/IV for Treatment: Green = Least expense, Red = Most expense
- Cannot differentiate Cefazolin Susceptible from Intermediate categories by testing method on non urinary tract specimens. Results valid only when used as therapy for uncomplicated UTI for *Escherichia coli*, *Klebsiella pneumoniae* or *Proteus mirabilis*.
- Data collection for Methicillin Resistant *Staphylococcus aureus* began 4/9/2019.
- Oxacillin is tested as surrogate for methicillin and nafcillin.