

Adult Emergency Department Antibiogram: Jan - Dec 2016

Gram Negative Non-Urine Isolates

	# of Isolates	Amikacin	Gentamicin	Tobramycin	Ampicillin-Sulbactam	Piperacillin-Tazobactam	Aztreonam	Cefazolin	Ceftriaxone	Cefepime	Ciprofloxacin	Trimethoprim-Sulfamethoxazole
<i>Escherichia coli</i>	79	100.0%	84.8%	82.3%	53.2%	97.5%	91.0%	88.6%	89.9%	91.0%	78.5%	73.4%
<i>Klebsiella pneumoniae</i>	25*	100.0%	96.0%	96.0%	80.0%	92.0%	88.0%	84.0%	88.0%	88.0%	88.0%	84.0%
<i>Pseudomonas aeruginosa</i>	24*	95.8%	95.8%	91.7%		100.0%	75.0%			95.8%	83.3%	

Gram Negative Urine Isolates

	# of Isolates	Amikacin	Gentamicin	Tobramycin	Ampicillin-Sulbactam	Piperacillin-Tazobactam	Aztreonam	Cefazolin	Ceftriaxone	Cefepime	Ciprofloxacin	Nitrofurantoin (A)	Trimethoprim-Sulfamethoxazole
<i>Enterobacter cloacae</i>	33	100.0%	90.9%	84.9%		90.9%	84.9%		75.8%	87.9%	90.9%	24.2%	84.9%
<i>Escherichia coli</i>	856	100.0%	92.4%	91.9%	52.1%	96.4%	95.8%	88.8%	94.6%	95.7%	79.6%	96.2%	72.8%
<i>Klebsiella pneumoniae</i>	149	100.0%	97.3%	95.3%	82.6%	92.6%	94.6%	89.3%	92.7%	93.3%	96.6%	37.3%	93.3%
<i>Proteus mirabilis</i>	50	100.0%	86.0%	82.0%	72.0%	94.0%	98.0%	72.0%	98.0%	98.0%	62.0%		64.0%
<i>Pseudomonas aeruginosa</i>	58	100.0%	95.0%	100.0%		86.7%	79.3%			90.0%	81.7%		

Grey shaded antibiotics are < 50% susceptible. Black shaded antibiotics have no coverage. Isolates included in this antibiogram are from adult patients seen in the Emergency Department, including patients discharged, admitted, or placed in observation. It does not include Urgent Care patients.

A. Nitrofurantoin is only approved for uncomplicated urinary tract infections. Avoid if creatinine clearance < 60 ml/min.

*Recommend caution in the interpretation of susceptibility data for pathogens with < 30 isolates per year.

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Gram Positive Non-Urine Isolates

	# of Isolates	Penicillin G	Ampicillin	Ampicillin-Subactam	Oxacillin (B) (Nafcillin)	Cefazolin	Ceftriaxone	Tetracycline (Doxycycline)	Clindamycin	Erythromycin (Azithromycin)	Vancomycin	Moxifloxacin	Trimethoprim-Sulfamethoxazole
<i>Staphylococcus aureus</i>	199	Not Tested		See Oxacillin	53.3%	See Oxacillin	See Oxacillin	95.5%	84.9%	48.2%	100.0%	63.3%	98.5%
<i>Streptococcus pneumoniae</i>	17*	81.3% 76.5% †	See Penicillin	See Penicillin		Not Tested	100.0% 94.1% †	87.5%	87.5%	62.5%	100.0%	93.8%	88.2%

Gram Positive Urine Isolates

	# of Isolates	Penicillin G	Ampicillin	Ampicillin-Subactam	Oxacillin (B) (Nafcillin)	Cefazolin	Ceftriaxone	Tetracycline (Doxycycline)	Vancomycin	Nitrofurantoin (A)	Trimethoprim-Sulfamethoxazole
<i>Enterococcus faecalis</i>	100	See Ampicillin	98.0%	See Ampicillin				30.3%	99.0%	99.0%	
<i>Staphylococcus aureus</i>	33	Not Tested	0.0%	See Oxacillin	66.7%	See Oxacillin	See Oxacillin	97.0%	100.0%	100.0%	96.1%

Grey shaded antibiotics are < 50% susceptible or not appropriate. Black shaded antibiotics have no coverage. Isolates included in this antibiogram are from adult patients seen in the Emergency Department, including patients discharged, admitted, or placed in observation. It does not include Urgent Care patients.

A. Nitrofurantoin is only approved for use in uncomplicated urinary tract infections. Avoid if creatinine clearance < 60 ml/min.

B. Oxacillin resistance implies methicillin resistant *S. aureus*.

*Recommend caution in the interpretation of susceptibility data for pathogens with < 30 isolates per year.