



2015 Inpatient Cumulative Antibigram

Microbiology Section
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Select Gram Negative Bacilli

% Susceptible	<i>Enterobacter</i> sp. (1)	<i>Escherichia</i> <i>coli</i>	<i>Haemophilus</i> <i>influenzae</i> (2,3)	<i>Klebsiella</i> <i>pneumoniae</i>	<i>Pseudomonas</i> <i>aeruginosa</i>	<i>Stenotroph.</i> <i>Maltophilia</i> (3)
Maximum # tested	31	208	76	54	31	41
Amikacin	100%	100%	-	100%	100%	-
Ampicillin	0%	60%	78%	0%	0%	-
Ampicillin/ Sulbactam	42%	68%	-	89%	0%	-
Aztreonam	93%	95%	-	98%	90%	-
Cefazolin	0%	70%	-	91%	0%	-
Cefepime	100%	97%	-	100%	94%	-
Ceftazidime	90%	96%	-	98%	94%	73%
Ceftriaxone	84%	91%	-	98%	0%	-
Ciprofloxacin	100%	74%	-	93%	87%	-
Gentamicin	100%	90%	-	96%	97%	-
Levofloxacin	100%	74%	-	94%	77%	80%
Meropenem	100%	100%	-	100%	97%	-
Nitrofurantoin	100%	96%	-	90%	0%	-
Piperacillin/ Tazobactam	93%	98%	-	100%	90%	-
Tetracycline	90%	74%	-	87%	0%	-
Tobramycin	100%	89%	-	96%	100%	-
Trimethoprim/ Sulphamethoxazole	97%	78%	-	93%	0%	98%

Footnotes

(1) 90% of isolates = *E. aerogenes* or *E. cloacae*.

(2) Based upon beta-lactamase enzyme detection.

Select Gram Positive Cocci

% Susceptible	Enterococcus sp.	Staphylococcus aureus	Staphylococcus epidermidis	Streptococcus pneumoniae (1)
Maximum # tested	89	156	51	36
Ampicillin	94%	-	-	-
Ceftriaxone (meningitis)	-	-	-	89%
Ceftriaxone (nonmeningitis)	-	-	-	100%
Clindamycin	-	63%	59%	-
Daptomycin	100%	100%	100%	-
Erythromycin	14%	51%	14%	54% (2)
Gentamicin synergy (3)	72%	-	-	-
Levofloxacin	60%	57%	35%	100%
Linezolid	100%	100%	100%	100%
Nitrofurantoin	96%	100%	100%	-
Oxacillin (4)	-	58%	12%	-
Penicillin	-	22%	6%	-
Penicillin (oral and meningitis)	-	-	-	81%
Penicillin (nonmeningitis)	-	-	-	97%
Tetracycline	17%	87%	80%	86%
Trimethoprim/ Sulphamethoxazole	0%	97%	-	83%
Vancomycin	94%	99%	100%	100%

Footnotes

- (1) Combined Marshfield Clinic & Ministry St. Joseph's Hospital data.
- (2) Erythromycin result also predicts response to azithromycin, clarithromycin, & dirithromycin.
- (3) Synergy is predicted when the isolate is susceptible to gentamicin AND a cell wall - active agent (i.e. ampicillin or vancomycin). Gentamicin cannot be used in monotherapy of enterococcal infections.
- (4) Oxacillin (methicillin) resistant isolates are resistant to all penicillins, cephalosporins, carbapenems, and beta lactamase inhibitor combination drugs EXCEPT ceftaroline.