



Marshfield Clinic Health System

2022 Outpatient Cumulative Antibigram

This antibiogram summarizes the susceptibility patterns of the most commonly encountered bacterial pathogens to guide empiric treatment/prophylaxis choices. The percentages found in the antibiogram represent the percentages SUSCEPTIBLE in 2022.

Contact Dr. Thomas Novicki or Dr. Sophie Arbefeville at ext. 16300 (715-221-6300) for additional information regarding this report. Contact the Marshfield Clinic Pharmacy Drug Information Service at ext. 19800 (715-221-9800) for dosing and other drug information.

% Susceptible	<i>Citrobacter freundii</i>	<i>Citrobacter koseri</i>	<i>Enterobacter cloacae</i>	<i>Escherichia coli</i>	<i>Klebsiella aerogenes</i>	<i>Klebsiella oxytoca</i>	<i>Klebsiella pneumoniae</i>	<i>Morganella morganii</i>	<i>Proteus mirabilis</i>	<i>Pseudomonas aeruginosa</i>	<i>Serratia marcescens</i>	<i>Stenotrophomonas maltophilia</i>
Max. Number Tested	95	44	154	3752	73	136	530	56	236	347	46	34 [1]
Ampicillin	-	-	-	68%	-	0%	0%	0%	86%	-	-	-
Amoxicillin/ Clavulanic Acid	0%	98%	0%	89%	0%	93%	97%	0%	92%	-	0%	-
Piperacillin/ Tazobactam	87%	98%	85%	98%	84%	93%	97%	98%	100%	94%	-	-
Cefazolin (Urine)	-	-	-	94%	-	-	97%	-	99%	-	-	-
Ceftazidime	85%	100%	84%	98%	85%	100%	98%	91%	100%	98%	100%	47%
Ceftriaxone	85%	100%	82%	97%	85%	96%	98%	91%	100%	-	93%	-
Cefepime	99%	100%	99%	99%	100%	100%	100%	98%	100%	98%	100%	-
Meropenem	100%	100%	99%	100%	100%	100%	100%	100%	100%	97%	100%	-
Amikacin	100%	100%	100%	100%	100%	100%	100%	100%	100%	99%	98%	-
Gentamicin	95%	100%	100%	95%	100%	100%	98%	98%	91%	96%	98%	-
Tobramycin	96%	100%	100%	95%	100%	100%	98%	96%	91%	99%	89%	-
Ciprofloxacin	94%	100%	99%	89%	97%	99%	93%	93%	89%	90%	89%	-
Levofloxacin	92%	98%	95%	85%	93%	97%	91%	93%	88%	82%	85%	85%
Minocycline	-	-	-	-	-	-	-	-	-	-	-	100%
Tetracycline	88%	98%	92%	85%	96%	98%	86%	59%	1%	-	22%	-
Nitrofurantoin (Urine)	94%	93%	40%	98%	15%	85%	23%	0%	0%	-	0%	-
Trimethoprim/ Sulfamethoxazole	87%	100%	94%	87%	100%	100%	94%	93%	85%	-	100%	97%

Note [1] Inpatient and outpatient isolates.

% Susceptible	<i>Enterococcus faecalis</i>	<i>Enterococcus faecium</i>	<i>Staphylococcus aureus</i>	<i>Staphylococcus epidermidis</i>	<i>Staphylococcus lugdunensis</i>	<i>Streptococcus anginosus</i>	Group A <i>Streptococcus (S. pyogenes)</i>	Group B <i>Streptococcus (S. agalactiae)</i>	Group G <i>Streptococcus</i>	<i>Streptococcus pneumoniae</i>
Max. Number Tested	511	41	958	327	44	31	69 [1]	140	44	46 [1]
Ampicillin	100%	44%	-	-	-	100%	100%	100%	100%	[2]
Amoxicillin	-	-	-	-	-	-	-	-	-	[3]
Oxacillin	-	-	76%	45%	95%	-	-	-	-	-
Penicillin	100%	41%	25%	-	-	100%	100%	100%	100%	-
Penicillin IV, meningeal	-	-	-	-	-	-	-	-	-	66%
Penicillin IV, non-meningeal	-	-	-	-	-	-	-	-	-	96%
Ceftaroline	-	-	100%	-	-	-	-	-	-	-
Ceftriaxone, meningeal	-	-	-	-	-	-	-	-	-	89%
Ceftriaxone, non-meningeal	-	-	-	-	-	-	-	-	-	93%
Meropenem	-	-	-	-	-	-	-	-	-	81%
Clindamycin	-	-	79%	67%	89%	84%	77%	50%	77%	-
Erythromycin	12%	7%	61%	41%	89%	63%	78%	42%	81%	59%
Daptomycin	-	-	100%	100%	100%	-	-	-	-	-
Gentamicin	-	-	99%	91%	100%	-	-	-	-	-
Levofloxacin	87%	44%	78%	62%	100%	100%	100%	98%	89%	97%
Linezolid	97%	98%	100%	100%	100%	-	100%	100%	100%	-
Nitrofurantoin (Urine)	99%	20%	100%	99%	100%	-	-	-	-	-
Rifampicin	-	-	100%	100%	100%	-	-	-	-	-
Tetracycline	27%	44%	93%	78%	98%	29%	75%	16%	75%	71%
Trimethoprim/ Sulfamethoxazole	-	-	97%	59%	98%	-	-	-	-	68%
Vancomycin	100%	59%	100%	100%	100%	100%	100%	100%	100%	100%

Notes:

[1] Inpatient and outpatient isolates.

[2] Based on susceptibility to standard dose IV penicillin and studies of clinical efficacy, nearly all non-meningeal pneumococcal infections can be effectively treated with IV ampicillin.

[3] Based on susceptibility to oral penicillin and studies of clinical efficacy, nearly all non-meningeal pneumococcal infections can be effectively treated with high dose oral amoxicillin (in children: 80-100 mg/kg/day divided TID; adult dose and maximum dose in children: 1 g TID). Mandell J, Dolin R, Blaser M. Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases. 9th ed. Elsevier; c2023. Chapter 199, Streptococcus