

Beta Lactams Clinical: 74.1% Environmental: 46.6%		Cephalosporins 1a	Cephalosporins 2a	Cephalosporins 3a				Cephalosporins 4a	
		Cefazolin	Cefuroxime	Ceftazidime	Cefotaxime	Ceftriaxone	Cefpodoxime-proxetil	Cefoperazone	Cefepime
	Clinical	88.9	93.9	77.9	90.4	59.7	34.8	99.5	81.2
	Environmental	99.2	95.4	39.2	78.9	41.7	99.3	97.8	27.5
		Penicillin						Monobactams	
		Ampicillin	Cloxacillin	Penicillin	Piperacillin	Ticarcillin	Aztreonam		
	Clinical	70.9	99.6	20.1	73.3	83.5	90.7		
	Environmental	52.1	48	22.1	25.4	49.6	30.5		
		Carbapenems							
		Ertapenem	Imipenem	Meropenem					
Clinical	37.2	45.4	41.5						
Environmental	27.6	11.3	15.5						
Beta-Lactams/ BLI Clinical: 64.1% Environmental: 51.6%		Penicillin							
		Ampicillin/ sulbactam	Amoxicillin/ Clavulanic acid	Ticarcillin/ clavulanic acid	Amoxicillin/ clavulanic acid	Piperacillin/ tazobactam			
	Clinical	73.4	83.1	97.6	91.7	34.8			
	Environmental	92.2	82.2	66.7	48	12.8			
		Cephalosporins 3a							
		Cefoperazone/ sulbactam	Ceftazidime/ clavulanic acid						
	Clinical	60.0	66.7						
	Environmental	71.4	24.5						
Aminoglycoside Clinical: 42.2% Environmental: 13.5%		Amikacin	Gentamicin	Netilmicin	Streptomycin	Tobramycin			
	Clinical	8.9	50.3	42.7	65.6	45.1			
	Environmental	5.2	16.9	10.3	26.6	24.8			
Fluoroquinolone Clinical: 60.9% Environmental: 17.8%		Ciprofloxacin	Levofloxacin	Norfloxacin	Ofloxacin				
	Clinical	61.3	83.7	2.4	63.1				
	Environmental	34.2	22.5	0.6	3.1				
Amphenicol Clinical: 48.8% Environmental: 28.1%		Chloramphenicol							
	Clinical	48.8							
	Environmental	28.1							
Glycopeptide Clinical: 12.3% Environmental: 1.3%		Teicoplanin	Vancomycin						
	Clinical	18.7	9.2						
	Environmental	1.4	1.3						
Glycylcyclines Clinical: 46.9% Environmental: 35.4%		Tigecycline							
	Clinical	46.9							
	Environmental	35.4							
Sulfonamide Clinical: 82.7% Environmental: 51.2%		Trimethoprim / sulfametoazole							
	Clinical	82.7							
	Environmental	51.2							
Macrolide Clinical: 90.8% Environmental: 86.4%		Erythromycin							
	Clinical	90.8							
	Environmental	86.4							
Nitrofurant		Nitrofurantoin							

Clinical: 7.5% Environmental: 14.5%	Clinical	7.5
	Environmental	14.5
Oxazolidinone Clinical: 11.8% Environmental: 11.2%		Linezolid
	Clinical	11.8
	Environmental	11.2
Polymyxin Clinical: 3.3% Environmental: 9.5%		Colistin
	Clinical	3.3
	Environmental	9.5
Rifamycin Clinical: 3.3% Environmental: 34.3%		Rifampin
	Clinical	3.3
	Environmental	34.3
Streptogramin Clinical: 3.4% Environmental: 3.4%		Quinupristin/ Dalfopristin
	Clinical	2.1
	Environmental	3.4
Tetracycline Clinical: 71.4% Environmental: 44.8%		Tetracycline
	Clinical	71.4
	Environmental	44.8