

The 2015 Antibiogram is based on data from the hospital's Phoenix lab system. A community-associated isolate is one collected from an outpatient site or the emergency room. The only isolates less than 10 reported in the community antibiogram were *Stenotrophomonas maltophilia*.

# CRMC 2015 Community Antibiogram

CRMC Antibigram – Community Urine Isolates Only																	
Gram Negative Community-Associated Percent Susceptible	Amikacin	Amoxicillin-Clavulanate	Ampicillin	Ampicillin-Sulbactam	Aztreonam	Cefazolin	Cefepime	Ceftriaxone	Ciprofloxacin	Gentamycin	Imipenem	Levofloxacin	Nitrofurantoin	Piperacillin-Tazobactam	Tetracycline	Tobramycin	Trimethoprim-Sulfamethoxazole
Cost Per Day	\$	\$	\$\$	\$\$	\$\$\$\$	\$	\$	\$	\$	\$	\$\$	\$	\$	\$\$	\$\$	\$	\$
<i>Escherichia coli</i>	100	87	50	54	95	89	95	93	76	90	100	77	97	99	78	92	75
<i>Klebsiella pneumoniae</i>	100	97	0	88	99	95	99	98	98	99	100	100	43	96	89	99	93
<i>Proteus mirabilis</i>	100	97	81	83	99	82	99	98	45	84		48	0	95	0	79	68
<i>Pseudomonas aeruginosa</i>	100	0	0	0	76	0	90	0	73	93	96	73	0	92	0	95	0
<i>Serratia marcescens</i>	100	0	0	0	100	0	100	85	93	100	100	100	0	87	0	80	
<i>Citrobacter freundii</i>	100	0	0	0	83	0	96	74	83	87	100	96	87	83	87	87	83
<i>Enterobacter cloacae</i>	100	0	0	0	85	0	98	70	95	95	100	98	12	90	90	95	88
<i>Klebsiella oxytoca</i>	100	80	0	60	90	73	93	89	100	93	100	100	90	97	87	93	97
<i>Stenotrophomonas maltophilia</i>	0	0	0	0	0	0	0	0		0	0	83	0	0	0	0	100

CRMC Antibigram – Community Urine Isolates Only															
Gram Positive Community-Associated Percent Susceptible	Ampicillin	Ampicillin-Sulbactam	Cefazolin	Cefoxitin	Clindamycin	Daptomycin	Gentamycin	Levofloxacin	Linezolid	Nitrofurantoin	Oxacillin	Penicillin G	Tetracycline	Trimethoprim-Sulfamethoxazole	Vancomycin
Cost Per Day	\$\$	\$\$	\$	*	\$	\$\$\$\$\$\$	\$	\$	\$\$\$\$\$\$	\$	\$\$\$\$	\$\$\$\$	\$\$	\$	\$
<i>Enterococcus faecalis</i>	99					97	0	65	99	99		99	16		99
<i>Enterococcus faecium</i>	11					78	0	6	89			11	28		44
<i>Staphylococcus aureus – MSSA</i>	0	100	100	100	0	100	100	79	100	100	100	0	96	100	100
<i>Staphylococcus aureus - MRSA</i>	0	0	0	0	0	100	100	24	100	100	0	0	95	95	100

CRMC Antibigram – Community All Sources Except Urine																	
Gram Negative Community-Associated Percent Susceptible	Amikacin	Amoxicillin-Clavulanate	Ampicillin	Ampicillin-Sulbactam	Aztreonam	Cefazolin	Cefepime	Ceftriaxone	Ciprofloxacin	Gentamycin	Imipenem	Levofloxacin	Piperacillin-Tazobactam	Tetracycline	Tobramycin	Trimethoprim-Sulfamethoxazole	
Cost Per Day	\$	\$	\$\$	\$\$	\$\$\$\$	\$	\$	\$	\$	\$	\$\$	\$	\$\$	\$\$	\$	\$	
<i>Escherichia coli</i>	100	89	55	60	98	86	98	91	75	95	100	76	98	73	93	84	
<i>Klebsiella pneumoniae</i>	100	100	0	91	100	97	97	100	100	100	100	100	100	91	100	97	
<i>Proteus mirabilis</i>	100	100	91	86	91	82	91	91	73	100		82	91	0	100	100	
<i>Pseudomonas aeruginosa</i>	100	0	0	0	80	0	99	0	89	99	100	89	100	0	100	0	
<i>Serratia marcescens</i>	100	0	0	0	100	0	100	95	95	100	100	95	95	0	86		
<i>Citrobacter freundii</i>	100	0	0	0	93	0	100	93	100	100	100	100	100	93	100	80	
<i>Enterobacter cloacae</i>	100	0	0	0	100	0	100	96	100	100	100	100	100	89	100	96	
<i>Stenotrophomonas maltophilia</i>	0	0	0	0	0	0	0	0		0	0	100	0	0	0	100	
<i>Klebsiella oxytoca</i>	100	80	0	94	100	88	100	100	100	100	100	100	100	94	100	100	

CRMC Antibigram – Community All Sources Except Urine																		
Gram Positive Community-Associated Percent Susceptible	Amikacin	Ampicillin	Ampicillin-Sulbactam	Cefazolin	Cefoxitin	Clindamycin	Daptomycin	Erythromycin	Gentamycin	Levofloxacin	Linezolid	Minocycline	Oxacillin	Penicillin G	Rifampin	Tetracycline	Trimethoprim-Sulfamethoxazole	Vancomycin
Cost Per Day	\$	\$\$	\$\$	\$	*	\$	\$\$\$\$\$\$	\$\$\$\$	\$	\$	\$\$\$\$\$\$	\$	\$\$\$\$	\$\$\$\$	\$\$\$\$	\$\$	\$	\$
<i>Enterococcus faecalis</i>		100	0	0		0	98	6	0	89	100	0	0	100		18	0	94
<i>Staphylococcus aureus</i>		0	45	45		78	100	42	99	70	100	99	57	0	100	96	97	100
<i>Staphylococcus epidermidis</i>		0	24	24		61	87	18	100	64	100	100	39	0	100	77		100
<i>Staphylococcus hominis</i>		0	35	37		73	96	20	96	59	96	100	44	0	96	60		96
<i>Staphylococcus aureus – MSSA</i>		0	0	100	100	77	100	62	100	85	100	100	100	0	100	92	100	100
<i>Staphylococcus aureus - MRSA</i>		0	0	0	0	78	100	12	99	38	100	99	0	0	100	98	96	100

\*CRMC has Zinacef (cefuroxime) as our 2<sup>nd</sup> generation cephalosporin. Cost is \$11 per day. The cost is CRMC's cost.

# CRMC 2015 Hospital Antibigram

CRMC Antibigram – Hospital Urine Isolates Only																	
Gram Negative Healthcare-Associated Percent Susceptible	Amikacin	Amoxicillin-Clavulanate	Ampicillin	Ampicillin-Sulbactam	Aztreonam	Cefazolin	Cefepime	Ceftazoxime	Ciprofloxacin	Gentamycin	Imipenem	Levofloxacin	Nitrofurantoin	Piperacillin-Tazobactam	Tetracycline	Tobramycin	Trimethoprim-Sulfamethoxazole
Cost Per Day	\$	\$	\$\$	\$\$	\$\$\$\$	\$	\$	\$	\$	\$	\$\$	\$	\$	\$\$	\$\$	\$	\$
Escherichia coli	100	83	50	53	94	85	93	89	74	85	100	75	98	99	75	85	76
Klebsiella pneumoniae	100	97	0	84	98	96	98	98	96	99	100	98	84	93	92	98	95
Proteus mirabilis	100	84	77	88	100	84	98	98	52	89		52	0	91	0	81	75
Pseudomonas aeruginosa	100	0	0	0	75	0	86	0	68	86	92	75	0	96	0	96	0
Serratia marcescens	100		0	0	80	0	80	80	80	80		100	0	100	0	20	

CRMC Antibigram – Hospital Urine Isolates Only																
Gram Positive Healthcare-Associated Percent Susceptible	Ampicillin	Ampicillin-Sulbactam	Cefazolin	Cefoxitin	Clindamycin	Daptomycin	Gentamycin	Levofloxacin	Linezolid	Nitrofurantoin	Oxacillin	Penicillin G	Rifampin	Tetracycline	Trimethoprim-Sulfamethoxazole	Vancomycin
Cost Per Day	\$\$	\$\$	\$	*	\$	\$\$\$\$\$\$	\$	\$	\$\$\$\$\$\$	\$	\$\$\$\$	\$\$\$\$	\$\$\$\$	\$\$	\$	\$
Enterococcus faecalis	100					97	0	54	100	100		99		24		
Enterococcus faecium	0					80	0	0	80			0		20		
Staphylococcus aureus – MSSA	0	100	100	100		100	100	100	100	100	100	0		100	100	100
Staphylococcus aureus - MRSA	0	0	0	0	0	100	100	0	100	100	0	0		100	90	100

CRMC Antibigram – Hospital All Sources Except Urine																
Gram Negative Healthcare-Associated Percent Susceptible	Amikacin	Amoxicillin-Clavulanate	Ampicillin	Ampicillin-Sulbactam	Aztreonam	Cefazolin	Cefepime	Ceftazoxime	Ciprofloxacin	Gentamycin	Imipenem	Levofloxacin	Piperacillin-Tazobactam	Tetracycline	Tobramycin	Trimethoprim-Sulfamethoxazole
Cost Per Day	\$	\$	\$\$	\$\$	\$\$\$\$	\$	\$	\$	\$	\$	\$\$	\$	\$\$	\$\$	\$	\$
Escherichia coli	100	75	50	55	91	83	91	88	73	88	100	74	97	81	86	77
Klebsiella pneumoniae	100	86	0	75	95	83	97	95	89	95	100	94	90	79	95	89
Proteus mirabilis	100	100	100	100	100	94	100	100	76	94		76	94	0	94	88
Pseudomonas aeruginosa	100	0	0	0	91	0	97	0	91	97	87	91	97	0	100	0
Serratia marcescens	100	0	0	0	100	0	100	85	92	100	83	100	77	0	77	

CRMC Antibigram – Hospital All Sources Except Urine																	
Gram Positive Healthcare-Associated Percent Susceptible	Ampicillin	Ampicillin-Sulbactam	Cefazolin	Cefoxitin	Clindamycin	Daptomycin	Erythromycin	Gentamycin	Levofloxacin	Linezolid	Minoocycline	Nitrofurantoin	Oxacillin	Penicillin G	Tetracycline	Trimethoprim-Sulfamethoxazole	Vancomycin
Cost Per Day	\$\$	\$\$	\$	*	\$	\$\$\$\$\$\$	\$\$\$\$	\$	\$	\$\$\$\$\$\$	\$	\$	\$\$\$\$	\$\$\$\$	\$\$	\$	\$
Enterococcus faecalis	100	0	0		0	100	22	0	72	100	0		0	100	11	0	100
Enterococcus faecium	25	0	0		0	100	13	0	57	100	33		0	38	57	0	63
Staphylococcus aureus	0	34	34		72	99	32	99	53	99	100		41	0	98	98	100
Staphylococcus epidermidis	0	13	13		55	98	25	100	27	100	100		20	0	50		100
Staphylococcus hominis	0	33	33		72	94	0	94	61	100	100		56	0	67		100
Staphylococcus aureus – MSSA	0	100	100	100		100		100	100	100		100	100	0	100	100	100
Staphylococcus aureus - MRSA	0	0	0	0	0	100		100	0	100		100	0	0	100	90	100

Cost Per Day  
 \$\$\$\$\$\$ = >\$200  
 \$\$\$\$\$ = >\$100  
 \$\$\$\$ = \$75 - \$99  
 \$\$\$ = \$50 - \$74  
 \$\$ = \$25 - \$49  
 \$ = <\$25

The 2015 Antibigram is based on data from CRMC’s Phoenix lab system. The only isolates less than 10 reported in the hospital antibiogram were Stenotrophomonas maltophilia and MSSA in hospital non-urine isolates. All other isolates are 10 or more. Hospital isolates are those collected anytime during the patient’s hospital stay. This would include observation patients in hospital beds as well as all inpatients.

\*CRMC has Zinacef (cefuroxime) as our 2<sup>nd</sup> generation cephalosporin. Cost is \$11 per day. The cost is CRMC’s cost.