



Antimicrobial Stewardship Collaborative
of South Carolina

2020 Lowcountry Regional Antibiogram All Systemic Isolates

| | # isolates | Ampicillin | Ampicillin/subactam | Amoxicillin/clavulanate | Piperacillin/ Tazobactam | Cefazolin | Cefuroxime | Ceftriaxone | Ceftazidime | Cefepime | Aztreonam | Meropenem | Ertapenem | Gentamicin | Tobramycin | Amikacin | Ciprofloxacin | Levofloxacin | Trimeth/sulfa | Nitrofurantoin |
|--|------------|------------|---------------------|-------------------------|--------------------------|-----------|------------|-------------|-------------|----------|-----------|-----------|-----------|------------|------------|----------|---------------|--------------|---------------|----------------|
| Gram Negative Organisms | | | | | | | | | | | | | | | | | | | | |
| <i>Acinetobacter baumannii</i> complex | 60 | R | 95 | R | 92 | R | R | 32 | 89 | 91 | R | 100 | R | 94 | 95 | 95 | 83 | 92 | 70 | R |
| <i>Klebsiella</i> (formerly <i>Enterobacter</i>) <i>aerogenes</i> | 96 | R | R | R | 79 | R | NR | 79 | NR | 97 | 83 | 99 | NR | 99 | 99 | NR | 98 | 99 | 97 | 15 |
| <i>Enterobacter cloacae</i> complex | 331 | R | R | R | 83 | R | NR | 74 | NR | 92 | 81 | 97 | 90 | 98 | 97 | NR | 94 | 39 | 88 | 32 |
| <i>Escherichia coli</i> | 2764 | 57 | 56 | 83 | 96 | 83 | 89 | 92 | 92 | 93 | 92 | 100 | 100 | 92 | 93 | 100 | 79 | 78 | 77 | 98 |
| <i>Klebsiella oxytoca</i> | 36 | R | 50 | 95 | 97 | 16 | NR | 94 | NR | 94 | 94 | 100 | NR | 100 | 100 | 100 | 100 | 100 | 97 | NR |
| <i>Klebsiella pneumoniae</i> | 849 | R | 83 | 89 | 93 | 89 | 87 | 92 | 93 | 93 | 93 | 100 | 97 | 99 | 95 | 100 | 95 | 97 | 77 | 42 |
| <i>Proteus mirabilis</i> | 422 | 92 | 91 | 99 | 93 | 85 | 97 | 98 | 97 | 98 | 97 | 100 | 100 | 95 | 98 | 100 | 91 | 92 | 78 | R |
| <i>Pseudomonas aeruginosa</i> | 697 | R | R | R | 84 | R | R | R | 93 | 82 | 70 | 95 | R | 86 | 88 | 85 | 77 | 73 | R | R |

| | # isolates | Oxacillin/nafcillin | Penicillin G | Ampicillin | Ceftriaxone | Gentamicin (synergy) | Rifampin (synergy) | Levofloxacin | Clindamycin | Erythromycin | Tetracycline | Trimeth/sulfa | Nitrofurantoin | Linezolid | Vancomycin | Daptomycin |
|--|------------|---------------------|--------------|------------|-------------|----------------------|--------------------|--------------|-------------|--------------|--------------|---------------|----------------|-----------|------------|------------|
| Gram Positive Organisms | | | | | | | | | | | | | | | | |
| MSSA | 681 | 100 | 12 | NR | NR | 98 | 100 | 99 | 81 | 64 | 93 | 99 | 81 | 100 | 100 | 99 |
| MRSA | 688 | R | R | R | R | 95 | 98 | 34 | 77 | 13 | 91 | 95 | 99 | 100 | 100 | 95 |
| <i>Streptococcus pneumoniae</i> | 145 | NR | 88 | NR | 95 | NR | NR | 100 | 91 | 51 | 87 | 74 | R | NR | 100 | NR |
| <i>Streptococcus pneumoniae</i> (meningitis) | 110 | NR | 76 | NR | 89 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| <i>Enterococcus faecalis</i> | 814 | R | 100 | 100 | R | NR | NR | 81 | R | R | 18 | R | 100 | 98 | 99 | 100 |
| <i>Enterococcus faecium</i> | 106 | R | 23 | 22 | R | NR | NR | 56 | R | R | 33 | R | 11 | 96 | 33 | NR |

NR= not reported, R= intrinsic resistance

Not all antimicrobials were tested against each isolate

Data reported as % susceptible

Individual institutions may have differing resistance patterns, facilities should reference facility-level antibiograms if able