



Antimicrobial Stewardship Collaborative  
of South Carolina

## 2020 Midlands Regional Antibigram All Systemic Isolates

|   | # isolates | Ampicillin | Ampicillin/sulbactam | Amoxicillin/clavulanate | Piperacillin/ Tazobactam | Cefazolin | Cefuroxime | Ceftriaxone | Ceftazidime | Cefepime | Aztreonam | Meropenem | Ertapenem | Gentamicin | Tobramycin | Amikacin | Ciprofloxacin | Levofloxacin | Trimeth/sulfa | Nitrofurantoin |
|---|------------|------------|----------------------|-------------------------|--------------------------|-----------|------------|-------------|-------------|----------|-----------|-----------|-----------|------------|------------|----------|---------------|--------------|---------------|----------------|
| <b>Gram Negative Organisms</b>                      |            |            |                      |                         |                          |           |            |             |             |          |           |           |           |            |            |          |               |              |               |                |
| <i>Acinetobacter baumannii</i> complex              | 92         | R          | 100                  | R                       | 79                       | R         | R          | 73          | NR          | 93       | R         | 80        | R         | 100        | 100        | NR       | 75            | 100          | 91            | R              |
| <i>Klebsiella (formerly Enterobacter) aerogenes</i> | 176        | R          | R                    | R                       | 80                       | R         | NR         | 79          | NR          | 99       | 96        | 100       | 98        | 100        | 100        | NR       | 95            | 98           | 97            | 36             |
| <i>Enterobacter cloacae</i> complex                 | 311        | R          | R                    | R                       | 75                       | R         | NR         | 82          | NR          | 93       | 69        | 97        | 87        | 97         | 95         | NR       | 94            | 90           | 89            | 44             |
| <i>Escherichia coli</i>                             | 4889       | 48         | 59                   | 79                      | 96                       | 88        | 93         | 92          | 85          | 95       | 95        | 100       | 100       | 91         | 92         | 100      | 77            | 67           | 76            | 96             |
| <i>Klebsiella oxytoca</i>                           | 134        | R          | 63                   | 91                      | 95                       | 74        | NR         | 94          | 93          | 93       | 91        | 99        | 99        | 96         | 95         | 100      | 96            | 98           | 91            | NR             |
| <i>Klebsiella pneumoniae</i>                        | 1654       | R          | 75                   | 84                      | 93                       | 83        | 100        | 89          | 85          | 93       | 96        | 99        | 99        | 99         | 92         | 99       | 89            | 82           | 69            | 33             |
| <i>Proteus mirabilis</i>                            | 971        | 76         | 96                   | 96                      | 99                       | 87        | 100        | 90          | 97          | 77       | 88        | 99        | 100       | 96         | 96         | 100      | 83            | 83           | 88            | R              |
| <i>Pseudomonas aeruginosa</i>                       | 1385       | R          | R                    | R                       | 86                       | R         | R          | R           | 84          | 87       | 60        | 87        | R         | 90         | 98         | 96       | 84            | 73           | R             | R              |

|  | # isolates | Oxacillin/nafcillin | Penicillin G | Ampicillin | Ceftriaxone | Gentamicin (synergy) | Rifampin (synergy) | Levofloxacin | Clindamycin | Erythromycin | Tetracycline | Trimeth/sulfa | Nitrofurantoin | Linezolid | Vancomycin | Daptomycin |
|--|------------|---------------------|--------------|------------|-------------|----------------------|--------------------|--------------|-------------|--------------|--------------|---------------|----------------|-----------|------------|------------|
| <b>Gram Positive Organisms</b>               |            |                     |              |            |             |                      |                    |              |             |              |              |               |                |           |            |            |
| MSSA   | 889        | 100                 | 18           | NR         | NR          | 99                   | NR                 | 85           | 82          | 62           | 93           | 99            | 100            | 100       | 100        | 100        |
| MRSA   | 1315       | R                   | R            | R          | R           | 99                   | 98                 | 41           | 78          | 15           | 97           | 90            | 100            | 100       | 98         | 99         |
| <i>Streptococcus pneumoniae</i>              | 78         | NR                  | 94           | NR         | 93          | NR                   | NR                 | 100          | 91          | 59           | 83           | 80            | R              | 100       | 100        | NR         |
| <i>Streptococcus pneumoniae</i> (meningitis) | 30         | NR                  | 100          | NR         | 100         | NR                   | NR                 | NR           | NR          | NR           | NR           | NR            | NR             | NR        | NR         | NR         |
| <i>Enterococcus faecalis</i>                 | 1175       | R                   | 100          | 99         | R           | NR                   | NR                 | 79           | R           | R            | 42           | R             | 99             | 100       | 99         | 100        |
| <i>Enterococcus faecium</i>                  | 138        | R                   | 6            | 38         | R           | NR                   | NR                 | 18           | R           | R            | 47           | R             | 34             | 99        | 48         | 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