

# 2024 WDL Antibigram: Long Term Care Non-Nursing Home Facilities

## Gram-Negative Bacteria (% Susceptible)

| Microorganism                                        | Isolates | Gentamicin | Tobramycin | Amikacin         | Amoxicillin/Clavulanate | Ampicillin | Ampicillin/Sulbactam | Aztreonam | Ertapenem | Meropenem | Piperacillin/Tazobactam | Cefazolin (IV systemic) | Ceftriaxone | Ceftazidime | Cefepime | Cefuroxime (Oral) | Ciprofloxacin | SXT | Tetracycline <sup>D</sup> | Nitrofurantoin <sup>U</sup> |
|------------------------------------------------------|----------|------------|------------|------------------|-------------------------|------------|----------------------|-----------|-----------|-----------|-------------------------|-------------------------|-------------|-------------|----------|-------------------|---------------|-----|---------------------------|-----------------------------|
| <i>Citrobacter freundii</i> complex <sup>1</sup>     | 37       | 97         | 97         | 100              | IR                      | IR         | IR                   | 78        | 100       | 100       | 86                      | IR                      | 72          | 75          | 100      | IR                | 81            | 83  | 83                        | 100                         |
| <i>Enterobacter cloacae</i> complex <sup>2</sup>     | 38       | 94         | 94         | 100              | IR                      | IR         | IR                   | 71        | 94        | 100       | 73                      | IR                      | 68          | 71          | 94       |                   | 86            | 84  | 86                        | 26                          |
| <i>Escherichia coli</i>                              | 689      | 93         | 93         | 100              | 85                      | 64         | 67                   | 93        | 100       | 100       | 92                      | 78                      | 92          | 93          | 93       | 79                | 77            | 83  | 81                        | 97                          |
| <i>Klebsiella oxytoca/Raoultella ornithinolytica</i> | 44       | 100        | 95         | 100              | 90                      | IR         | 50                   | 88        | 100       | 100       | 90                      | 27                      | 88          | 88          | 90       | 86                | 95            | 93  | 93                        | 95                          |
| <i>Klebsiella pneumoniae</i> group <sup>3</sup>      | 193      | 98         | 97         | 100              | 92                      | IR         | 86                   | 92        | 100       | 100       | 92                      | 89                      | 92          | 92          | 92       | 87                | 89            | 88  | 85                        | 47                          |
| <i>Proteus mirabilis</i>                             | 150      | 98         | 98         | 100              | 98                      | 90         | 95                   | 99        | 100       |           | 99                      | 5                       | 97          | 98          | 99       | 96                | 70            | 94  | IR                        | IR                          |
| <i>Pseudomonas aeruginosa</i> (non-cystic fibrosis)  | 77       |            | 98         | 100 <sup>U</sup> | IR                      | IR         | IR                   | 84        | IR        | 90        | 92                      | IR                      | IR          | 98          | 97       | IR                | 85            | IR  | IR                        |                             |

<sup>1</sup>*Citrobacter freundii* complex includes *C. braakii*, *C. freundii*, *C. gillenii*, *C. murlinae*, *C. rodentium*, *C. sedlakii*, *C. werkmanii*, and *C. youngae*

<sup>2</sup>*Enterobacter cloacae* complex includes *E. asburiae*, *E. cloacae*, *E. hormaechei*, *E. kobei*, and *E. ludwigii*

<sup>3</sup>*Klebsiella pneumoniae* group includes *K. pneumoniae* and *K. variicola*

IR: Intrinsically resistant

<sup>D</sup>Tetracycline susceptibility predicts doxycycline and minocycline susceptibility. However, tetracycline non-susceptible isolates may be doxycycline or minocycline

<sup>U</sup>Only isolates from urine are tested, which is less than the total number of isolates listed

**Note: Organisms with <30 isolates will not be represented due to lack of statistical validity and large confidence intervals**

Gram-Positive Bacteria (% Susceptible)

| Microorganism                | Isolates | GentamicinSynergy <sup>B</sup> | Ampicillin | Penicillin | Levofloxacin <sup>U</sup> | Tetracycline <sup>D, U</sup> | Doxycycline | Linezolid | Daptomycin | Vancomycin | Nitrofurantoin <sup>U</sup> |
|------------------------------|----------|--------------------------------|------------|------------|---------------------------|------------------------------|-------------|-----------|------------|------------|-----------------------------|
| <i>Enterococcus faecalis</i> | 319      | 78                             | 100        | 99         | 81                        | 21                           | 42          | 98        | 87         | 98         | 100                         |

| Microorganism                        | Isolates | Oxacillin <sup>A</sup> | Ciprofloxacin <sup>C</sup> | Moxifloxacin | SXT | Tetracycline <sup>D</sup> | Doxycycline | Clindamycin | Erythromycin | Linezolid | Daptomycin | Vancomycin |
|--------------------------------------|----------|------------------------|----------------------------|--------------|-----|---------------------------|-------------|-------------|--------------|-----------|------------|------------|
| <i>Staphylococcus aureus</i> (total) | 44       | 54                     | 32                         | 50           | 90  | 79                        | 90          | 67          | 41           | 97        | 100        | 100        |

<sup>A</sup>Oxacillin resistant *Staphylococcus* species are considered resistant to other beta-lactam agents including penicillins, beta-lactam combination agents, cephalosporins (with the exception of ceftaroline), and carbapenems

<sup>B</sup>For treatment of blood isolates only

<sup>C</sup>Ciprofloxacin interpretations are inferred from levofloxacin MIC testing

<sup>D</sup>Tetracycline susceptibility predicts doxycycline and minocycline susceptibility. However, tetracycline non-susceptible isolates may be doxycycline or minocycline susceptible

<sup>U</sup>Only isolates from urine are tested, which is less than the total number of isolates listed

**Note: Organisms with <30 isolates will not be represented due to lack of statistical validity and large confidence intervals**