

| Gram Positive Organisms                                   | Isolates | Penicillins |           |            | Ceph        | Glycopept<br>ides | Quinolones    |              | Miscellaneous Antibiotics |           |                |          |                               | Macrolide<br>s | Tetracycli<br>nes |
|-----------------------------------------------------------|----------|-------------|-----------|------------|-------------|-------------------|---------------|--------------|---------------------------|-----------|----------------|----------|-------------------------------|----------------|-------------------|
|                                                           |          | Ampicillin  | Oxacillin | Penicillin | Ceftriaxone | Vancomycin        | Ciprofloxacin | Levofloxacin | Clindamycin               | Linezolid | Nitrofurantoin | Rifampin | Sulfamethoxazole/Trimethoprim | Erythromycin   | Tetracycline      |
| All Specimen Sources                                      |          |             |           |            |             |                   |               |              |                           |           |                |          |                               |                |                   |
| Enterococcus faecalis                                     | 233      | 100%        |           | 100%       |             | 100%              |               |              |                           |           | 100%           |          |                               | 7%             | 24%               |
| Enterococcus faecalis,<br>Vancomycin Resistant-<br>VRE    | 2*       | 100%*       |           | 100%*      |             | 0%*               |               |              |                           |           | 100%*          |          |                               |                | 0%*               |
| Enterococcus faecium                                      | 11*      | 50%*        |           | 40%*       |             | 100%*             |               |              |                           |           | 38%*           |          |                               | 50%*           | 50%*              |
| Enterococcus faecium,<br>Vancomycin Resistant-<br>VRE     | 22*      | 0%*         |           | 0%*        |             | 0%*               |               |              |                           |           | 56%*           |          |                               | 0%*            | 0%*               |
| Enterococcus spp.                                         | 11*      | 100%*       |           | 100%*      |             | 36%*              |               |              |                           |           | 67%*           |          |                               | 38%*           | 33%*              |
| Staphylococcus aureus                                     | 271      |             | 97%       | 17%        |             | 100%              |               |              | 74%                       | 100%      |                | 100%     | 96%                           |                | 91%               |
| Staphylococcus aureus<br>(Methicillin Resistant-<br>MRSA) | 162      |             | 1%        | 0%         |             | 100%              |               |              | 80%                       | 100%      |                | 99%      | 81%                           |                | 86%               |
| Staphylococcus spp.                                       | 265      |             | 46%       | 17%        |             | 100%              | 85%           | 85%          | 30%                       | 100%      | 99%            | 97%      | 79%                           | 21%            | 83%               |
| Streptococcus agalactiae<br>(Group B)                     | 168      | 100%        |           | 100%       | 100%        | 100%              |               | 100%         | 39%                       | 100%      |                |          |                               |                | 15%               |
| Streptococcus anginosus                                   | 29*      | 88%*        |           | 82%*       | 88%*        | 100%*             |               | 97%*         | 59%*                      | 100%*     |                |          |                               | 36%*           | 42%*              |
| Streptococcus<br>mitis/Streptococcus<br>oralis            | 32       | 84%         |           | 63%        | 94%         | 100%              |               | 100%         |                           | 100%      |                |          |                               |                | 63%               |
| Streptococcus<br>pneumoniae                               | 26*      |             |           | 100%*      | 100%*       | 100%*             |               | 100%*        | 71%*                      | 100%*     |                |          | 73%*                          | 48%*           | 73%*              |
| Streptococcus pyogenes<br>(Group A)                       | 31       | 100%        |           |            | 100%        | 100%              |               | 97%          | 48%                       | 100%      |                |          |                               | 45%            | 52%               |

\*Data for fewer than 30 isolates per organism, per selected time frame is not statistically significant

| Gram Negative Organisms      | Isolates | Penicillins |                      |                         | Ceph 1st Gen | Ceph 2nd Gen | Ceph 3rd Gen |             | Ceph 4th Gen | Carbapenems |           | Aminoglycosides | Quinolones    |              | Miscellaneous Antibiotics |                               |
|------------------------------|----------|-------------|----------------------|-------------------------|--------------|--------------|--------------|-------------|--------------|-------------|-----------|-----------------|---------------|--------------|---------------------------|-------------------------------|
|                              |          | Ampicillin  | Ampicillin/Sulbactam | Piperacillin/tazobactam | Cefazolin    | Cefoxitin    | Ceftazidime  | Ceftriaxone | Cefepime     | Ertapenem   | Meropenem | Gentamicin      | Ciprofloxacin | Levofloxacin | Nitrofurantoin            | Sulfamethoxazole/Trimethoprim |
| All Specimen Sources         |          |             |                      |                         |              |              |              |             |              |             |           |                 |               |              |                           |                               |
| Acinetobacter baumannii      | 11*      |             |                      |                         |              |              | 91%*         | 55%*        | 82%*         |             | 91%*      | 91%*            | 82%*          | 82%*         |                           |                               |
| Citrobacter freundii         | 40       |             |                      |                         |              |              | 85%          | 88%         | 100%         | 100%*       | 100%*     | 93%             | 73%           | 85%          | 94%                       |                               |
| Citrobacter koseri           | 30       |             |                      |                         |              |              | 100%         | 100%        | 100%         |             |           | 100%            | 100%          | 100%         | 96%                       |                               |
| Enterobacter cloacae         | 81       |             |                      | 84%                     |              |              | 84%          |             | 99%          | 91%         | 100%      | 100%            | 94%           | 95%          | 40%                       | 90%                           |
| Enterobacter cloacae, CRE    | 1*       |             |                      | 0%*                     |              |              | 0%*          |             | 100%*        | 0%*         | 100%*     | 100%*           | 100%*         | 100%*        | 100%*                     | 100%*                         |
| Escherichia coli             | 1,526    | 62%         | 70%                  |                         | 97%          |              | 99%          | 99%         | 100%         | 93%         | 94%       | 93%             | 83%           | 84%          | 98%                       | 83%                           |
| Escherichia coli, ESBL       | 98       | 0%          | 0%                   | 0%                      | 0%           | 0%           | 0%           | 0%          | 0%           | 98%         | 100%      | 77%             | 15%           | 15%          | 88%                       | 49%                           |
| Klebsiella aerogenes         | 52       |             |                      | 76%                     |              |              | 78%          | 78%         | 98%          |             | 100%      | 100%            | 88%           | 90%          | 15%                       | 96%                           |
| Klebsiella oxytoca           | 76       | 0%          | 78%                  | 96%                     |              |              | 100%         | 99%         | 100%         |             | 100%      | 100%            | 99%           | 99%          | 91%                       | 99%                           |
| Klebsiella oxytoca, ESBL     | 8*       | 0%*         | 0%*                  | 0%*                     | 0%*          | 0%*          | 0%*          | 0%*         | 0%*          | 100%*       | 100%*     | 38%*            | 25%*          | 57%*         | 83%*                      | 38%*                          |
| Klebsiella ozaenae           | 3*       | 0%*         | 100%*                | 100%*                   | 100%*        |              | 100%*        | 100%*       | 100%*        |             |           | 100%*           | 100%*         | 100%*        | 67%*                      | 100%*                         |
| Klebsiella ozaenae, ESBL     | 1*       | 0%*         | 0%*                  | 0%*                     | 0%*          | 0%*          | 0%*          | 0%*         | 0%*          | 100%*       | 100%*     | 0%*             | 0%*           | 0%*          |                           | 0%*                           |
| Klebsiella ozaenae, CRE      | 1*       | 0%*         | 0%*                  | 0%*                     | 0%*          | 0%*          | 0%*          | 0%*         | 0%*          | 0%*         | 0%*       | 100%*           | 0%*           | 0%*          | 0%*                       | 100%*                         |
| Klebsiella pneumoniae        | 337      | 0%          | 90%                  | 95%                     | 99%          | 100%         | 99%          | 100%        | 100%         |             |           | 100%            | 95%           | 95%          | 35%                       | 97%                           |
| Klebsiella pneumoniae, ESBL  | 34       | 0%          | 0%                   | 0%                      | 0%           | 0%           | 0%           | 0%          | 0%           | 100%        | 100%      | 71%             | 21%           | 24%          | 39%                       | 26%                           |
| Klebsiella pneumoniae, CRE   | 2*       | 0%*         | 0%*                  | 0%*                     | 0%*          | 0%*          | 0%*          | 0%*         | 0%*          | 0%*         | 0%*       | 50%*            | 0%*           | 0%*          | 50%*                      | 50%*                          |
| Morganella morganii          | 43       | 0%          | 9%                   |                         |              |              |              |             |              | 100%        | 100%      | 95%             | 88%           | 91%          | 0%                        | 91%                           |
| Proteus mirabilis            | 164      | 84%         | 91%                  |                         | 96%          |              | 99%          | 99%         | 99%          |             |           | 95%             | 90%           | 99%          | 99%                       | 88%                           |
| Proteus spp.                 | 25*      | 0%*         | 60%*                 | 94%*                    |              |              | 92%*         | 74%*        | 96%*         | 100%*       | 100%*     | 100%*           | 100%*         | 100%*        | 0%*                       | 100%*                         |
| Providencia rettgeri         | 17*      | 6%*         | 94%*                 |                         |              |              | 100%*        | 100%*       | 100%*        |             |           | 100%*           | 100%*         | 100%*        | 0%*                       | 0%*                           |
| Providencia stuartii         | 14*      | 0%*         | 31%*                 |                         |              |              | 77%*         | 77%*        | 100%*        |             | 100%*     | 0%*             | 15%*          | 100%*        | 0%*                       |                               |
| Pseudomonas aeruginosa       | 198      |             |                      | 97%                     |              |              | 93%          |             | 99%          |             | 94%       |                 | 89%           | 87%          |                           |                               |
| Pseudomonas spp.             | 13*      |             |                      | 85%*                    |              |              |              | 38%*        | 100%*        |             | 100%*     |                 | 100%*         | 100%*        |                           |                               |
| Serratia marcescens          | 42       |             |                      |                         |              |              | 100%         | 98%         | 100%         |             |           | 100%            | 98%           | 98%          | 0%                        |                               |
| Serratia marcescens, CRE     | 1*       |             |                      |                         |              |              | 100%*        | 0%*         | 100%*        | 0%*         | 0%*       | 100%*           | 100%*         | 100%*        | 0%*                       |                               |
| Stenotrophomonas maltophilia | 21*      |             |                      |                         |              |              |              |             |              |             |           |                 |               | 95%*         |                           | 100%*                         |

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