# Mount Sinai Hospital ANTIBIOGRAM Emergency Department January 1, 2014 - December 31, 2014

#### Blood Isolates - % Susceptible

| blood isolates — % susceptible                             |     |     |            |                             |            |                         |           |           |             |           |             |             |             |              |             |               |              |                               |            |            |          |            |           |
|--|-----|-----|------------|-----------------------------|------------|-------------------------|-----------|-----------|-------------|-----------|-------------|-------------|-------------|--------------|-------------|---------------|--------------|-------------------------------|------------|------------|----------|------------|-----------|
| ≥80% Susceptible<br>70-79% Susceptible<br>≤69% Susceptible | #   | %   | Ampicillin | Amoxicillin-Clavulanic acid | Penicillin | Piperacillin-Tazobactam | Meropenem | Ertapenem | Cloxacillin | Cefazolin | Ceftriaxone | Ceftazidime | Clindamycin | Erythromycin | Doxycycline | Ciprofloxacin | Moxifloxacin | Trimethoprim-Sulfamethoxazole | Gentamicin | Tobramycin | Amikacin | Vancomycin | Linezolid |
| ALL BACTERIA   | 233 | _   | 22         | 44                          |            | 73                      | 79        | 76        |             | 62        | 75          |             |             |              |             |               |              | 79                            |            |            |          |            |           |
|  |     |     |            |                             |            |                         |           |           |             |           |             |             |             |              |             |               |              |                               |            | =          |          |            | =         |
| ALL GRAM-NEGATIVE BACTERIA                                 | 102 | 100 | 24         | 73                          |            | 84                      | 100       | 94        |             | 61        | 80          | 85          |             |              |             | 77            |              | 74                            | 94         | 90         | 100      |            | ĺ         |
| Escherichia coli   | 61  | 60  | 36         | 75                          |            | 85                      | 100       | 100       |             | 69        | 87          | 87          |             |              |             | 67            |              | 67                            | 90         | 84         | 100      |            |           |
| Klebsiella pneumoniae                                      | 21  | 21  | 0          | 100                         |            | 100                     | 100       | 100       |             | 95        | 100         | 100         |             |              |             | 95            |              | 100                           | 100        | 100        | 100      |            |           |
| Proteus mirabilis  | 6   | 6   | 50         | 100                         |            | 100                     | 100       | 100       |             | 0         | 100         | 100         |             |              |             | 67            |              | 100                           | 100        | 100        | 100      |            |           |
| Pseudomonas aeruginosa                                     | 5   | 5   |            |                             |            | 100                     | 100       |           |             |           |             | 100         |             |              |             | 100           |              |                               | 100        | 100        | 100      |            |           |
| Enterobacter cloacae                                       | 3   | 3   | 0          | 0                           |            | 0                       | 100       | 100       |             | 0         | 0           | 0           |             |              |             | 100           |              | 67                            | 100        | 100        | 100      |            |           |
| ALL GRAM-POSITIVE BACTERIA                                 | 131 | 100 | 21         | 21                          | 18         | 65                      | 62        | 62        | 44          | 62        | 71          |             | 77          | 51           |             |               |              | 85                            |            |            |          | 100        |           |
| Coagulase-negative staphylococci                           | 75  | 57  |            |                             |            | 58                      | 58        | 58        | 58          | 58        |             |             | 77          | 38           | 100         |               |              | 85                            |            |            |          | 100        | 100       |
| Staphyloccocus aureus, all isolates                        | 16  | 12  |            |                             |            | 88                      | 88        | 88        | 88          | 88        |             |             | 82          | 75           | 100         |               |              | 100                           |            |            |          | 100        | 100       |
| - methicillin-susceptible                                  | 14  | 11  |            |                             |            | 100                     | 100       | 100       | 100         | 100       |             |             | 86          | 86           | 100         |               |              | 100                           |            |            |          | 100        | 100       |
| - methicillin-resistant (MRSA)                             | 2   | 2   |            |                             |            | 0                       | 0         | 0         | 0           | 0         |             |             | 50          | 0            | 100         |               |              | 100                           |            |            |          | 100        | 100       |
| Viridans group streptococci°                               | 13  | 10  |            |                             |            |                         |           |           |             |           | 92          |             |             |              |             |               |              |                               |            |            |          | 100        |           |
| C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                    | 9   | 7   |            |                             | 100        |                         |           |           |             |           |             |             | 89          | 89           |             |               |              |                               |            |            |          | 100        |           |
| Group A streptococci**                                     | 9   | /   |            |                             | 100        |                         |           |           |             | l         |             |             | 0,          | 0,           |             |               |              |                               |            | 1 1        | 1 )      | .00        | 1         |

### General Notes:

- > Statistical validity of estimates of percent susceptibility for organisms for which there are fewer than 30 isolates reported is limited. Please take this into consideration when interpreting the reported results.
- > Some organisms for which there were only very small numbers have been excluded from this report; however the total number of "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" listed includes these organisms.
- > Reported susceptibilities for "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" reflect estimates only based on the weighted average of susceptibilities for all organisms included on this report as well as those that have been excluded, with assumptions made for those drugs for which susceptibilities were not tested.
- > Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

# Year-Specific Notes:

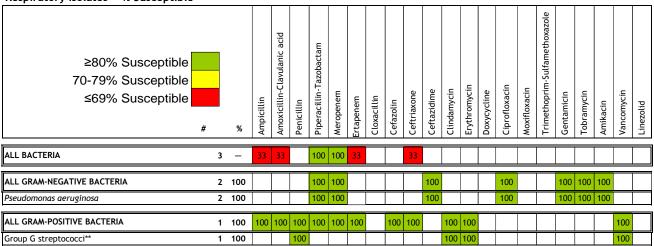
> Only a limited number of coagulase negative staphylococci isolates were tested for susceptibilities. The vast majority of coagulase-negative staphylococci are susceptible to vancomycin. If you have any questions, please contact the UHN/MSH Department of Microbiology.

#### Organism-Specific Notes:

- \*\* Beta-hemolytic streptococci: Susceptibilty testing to penicillin is not routinely performed since resistant strains have not been recognized. All isolates are considered susceptible to penicillin.
- \* Viridans group streptococci: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.

# Mount Sinai Hospital ANTIBIOGRAM Emergency Department January 1, 2016 - December 31, 2016

## Respiratory Isolates - % Susceptible



#### General Notes:

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- > Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

#### Year-Specific Notes:

> Susceptibility for cefazolin are not available for Gram-negative isolates from non-sterile site specimens for the current year.

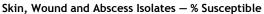
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Prepared by University Health Network/Mount Sinai Hospital Department of Microbiology

August 08, 2017

# Mount Sinai Hospital ANTIBIOGRAM Emergency Department January 1, 2016 - December 31, 2016



| Skin, Wound and Abscess Isolates — % Susceptible       |     |    |            |                             |            |                         |           |           |             |           |             |             |             |              |             |               |              |                               |            |            |          |            |           |
|--|-----|----|------------|-----------------------------|------------|-------------------------|-----------|-----------|-------------|-----------|-------------|-------------|-------------|--------------|-------------|---------------|--------------|-------------------------------|------------|------------|----------|------------|-----------|
| ≥80% Susceptible 70-79% Susceptible ≤69% Susceptible # |     | %  | Ampicillin | Amoxicillin-Clavulanic acid | Penicillin | Piperacillin-Tazobactam | Meropenem | Ertapenem | Cloxacillin | Cefazolin | Ceftriaxone | Ceftazidime | Clindamycin | Erythromycin | Doxycycline | Ciprofloxacin | Moxifloxacin | Trimethoprim-Sulfamethoxazole | Gentamicin | Tobramycin | Amikacin | Vancomycin | Linezolid |
| ALL BACTERIA 29  | 7   | _  | 4          | 6                           |            | 78                      | 83        | 72        |             |           | 68          |             |             |              |             |               |              | 87                            |            |            |          | _          |           |
| ALE BACTERIA 25  | , . |    | 4          | U                           |            | 70                      | 03        | 12        |             |           | 00          |             |             |              |             |               |              | 07                            |            |            |          |            |           |
| ALL GRAM-NEGATIVE BACTERIA                             | 5 1 | 00 | 14         | 23                          |            | 75                      | 99        | 49        |             |           | 30          | 75          |             |              |             | 92            |              | 49                            | 92         | 89         | 100      |            |           |
| Pseudomonas aeruginosa                                 | 1 4 | 48 |            |                             |            | 97                      | 97        |           |             |           |             | 97          |             |              |             | 100           |              |                               | 100        | 100        | 100      |            |           |
| Escherichia coli                                       | 6 2 | 25 | 19         | 38                          |            | 56                      | 100       | 100       |             |           | 62          | 62          |             |              |             | 75            |              | 88                            | 75         | 69         | 100      |            |           |
| Proteus mirabilis                                      | 5   | 8  | 100        | 100                         |            | 100                     | 100       | 100       |             |           | 100         | 100         |             |              |             | 100           |              | 100                           | 80         | 80         | 100      |            |           |
| Klebsiella pneumoniae                                  | 3   | 5  | 0          | 100                         |            | 100                     | 100       | 100       |             |           | 100         | 100         |             |              |             | 100           |              | 100                           | 100        | 100        | 100      |            |           |
| Serratia marcescens                                    | 3   | 5  | 0          | 0                           |            | 0                       | 100       | 100       |             |           | 0           | 0           |             |              |             | 100           |              | 100                           | 100        | 67         | 100      |            |           |
| ALL GRAM-POSITIVE BACTERIA 2:                          | 2 1 | 00 | 2          | 2                           | 1          | 79                      | 78        | 78        | 78          | 78        | 78          |             | 73          | 60           |             |               |              | 98                            |            |            |          | 100        |           |
| Staphyloccocus aureus, all isolates 22                 | 5 9 | 97 |            |                             |            | 79                      | 79        | 79        | 79          | 79        |             |             | 74          | 61           | 95          |               |              | 99                            |            |            |          | 100        | 100       |
| - methicillin-susceptible 17                           | 8 7 | 77 |            |                             |            | 100                     | 100       | 100       | 100         | 100       |             |             | 75          | 69           | 98          |               |              | 100                           |            |            |          | 100        | 100       |
| - methicillin-resistant (MRSA)                         | 7 2 | 20 |            |                             |            | 0                       | 0         | 0         | 0           | 0         |             |             | 68          | 30           | 85          |               |              | 94                            |            |            |          | 100        | 100       |
| Coagulase-negative staphylococci                       | 3   | 1  |            |                             |            | 67                      | 67        | 67        | 67          | 67        |             |             | 67          | 33           | 100         |               |              | 100                           |            |            |          | 100        | 100       |
| Enterococcus faecalis, all isolates                    | 2   | 1  | 100        | 100                         |            | 100                     |           |           |             |           |             |             |             |              |             |               |              |                               |            |            |          | 100        |           |
| - vancomycin-susceptible                               | 2   | 1  | 100        | 100                         |            | 100                     |           |           |             |           |             |             |             |              |             |               |              |                               |            |            |          | 100        |           |
| - vancomycin-resistant (VRE)                           | 0   | 0  |            |                             |            |                         |           |           |             |           |             |             |             |              |             |               |              |                               |            |            |          |            |           |
| Group B streptococci**                                 | 1   | 0  |            |                             | 100        |                         |           |           |             |           |             |             | 0           | 0            |             |               |              |                               |            |            |          | 100        |           |
| Group A streptococci**                                 | 1   | 0  |            |                             | 100        |                         |           |           |             |           |             |             | 100         | 100          |             |               |              |                               |            |            |          | 100        |           |

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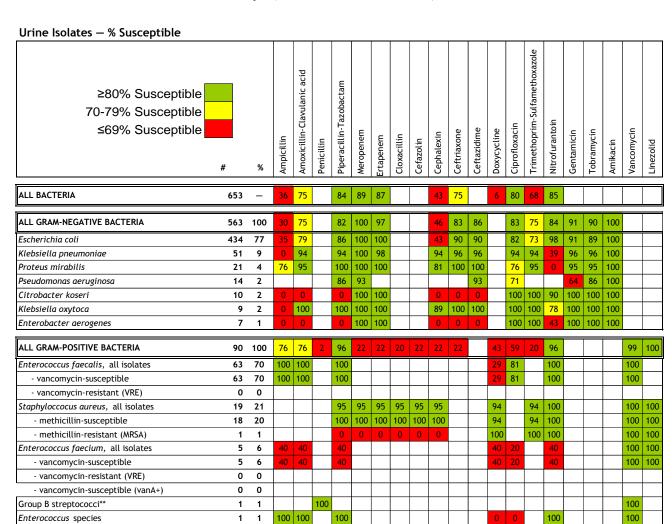
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### Organism-Specific Notes:

\*\* Beta-hemolytic streptococci: Susceptibilty testing to penicillin is not routinely performed since resistant strains have not been recognized. All isolates are considered susceptible to penicillin.

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### **General Notes:**

Group G streptococci\*\*

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