Blood Isolates - % Susceptible

| ≥80% Susceptible 70-79% Susceptible ≤69% Susceptible | # | % | Ampicillin | Amoxicillin-Clavulanic acid | Penicillin | Penicillin IV (meningitis) | Penicillin IV (non-meningitis) | Piperacillin-Tazobactam | Meropenem | Ertapenem | Cloxacillin | Cefazolin | Ceftriaxone | Ceftriaxone (meningitis) | Ceftriaxone (non-meningitis) | Ceftazidime | Clindamycin | Erythromycin | Doxycycline | Ciprofloxacin | Moxifloxacin | Trimethoprim-Sulfamethoxazole | Gentamicin | Tobramycin | Amikacin | Vancomycin | Linezolid |
|--|------|-----|------------|-----------------------------|------------|----------------------------|--------------------------------|-------------------------|-----------|-----------|-------------|-----------|-------------|--------------------------|------------------------------|-------------|-------------|--------------|-------------|---------------|--------------|-------------------------------|------------|------------|----------|------------|-----------|
| ALL BACTERIA | 1154 | | 4.4 | 23 | <u> </u> | | | 57 | 7.4 | - / / | | 49 | 56 | <u> </u> | <u> </u> | | | | | | | 75 | | | | | |
| ALL DACTERIA | 1134 | _ | 14 | Z3 | | <u> </u> | | '37 | 64 | 61 | | 47 | 20 | | <u> </u> | | <u> </u> | | | | | 73 | | <u> </u> | | | — |
| ALL GRAM-NEGATIVE BACTERIA | 305 | 100 | 22 | 57 | | | | 69 | 99 | 89 | | 43 | 65 | | | 71 | | | | 69 | | 75 | 93 | 91 | 98 | | |
| Escherichia coli | 150 | 49 | 41 | 64 | | | | 71 | 100 | _ | | 52 | 74 | | | 74 | | | | 52 | | 76 | 90 | 85 | 98 | | _ |
| Klebsiella pneumoniae | 64 | 21 | 0 | 81 | | | | 81 | 97 | 95 | | 72 | 84 | | | 84 | | | | 80 | | 83 | 97 | 97 | 100 | | |
| Pseudomonas aeruginosa | 22 | 7 | | | | | | 95 | 91 | | | | | | | 95 | | | | 95 | | | 95 | 100 | 91 | | |
| Proteus mirabilis | 21 | 7 | 26 | 100 | | | | 95 | 100 | 100 | | 29 | 100 | | | 100 | | | | 85 | | 84 | 90 | 90 | 100 | | |
| Enterobacter cloacae | 19 | 6 | 0 | 0 | | | | 5 | 100 | 100 | | 0 | 5 | | | 5 | | | | 100 | | 100 | 100 | 100 | 100 | | |
| Klebsiella aerogenes | 7 | 2 | 0 | 0 | | | | 0 | 100 | 100 | | 0 | 0 | | | 0 | | | | 71 | | 86 | 100 | 100 | 100 | | |
| ALL GRAM-POSITIVE BACTERIA | 849 | 100 | 11 | 11 | 5 | | | 53 | 51 | 51 | 44 | 51 | 52 | | | | 57 | 41 | | | | 76 | | | | 99 | |
| Coagulase-negative staphylococci | 613 | 72 | | | | | | 45 | 45 | 45 | 45 | 45 | | | | | 56 | 36 | 91 | | | 78 | | | | 100 | 100 |
| Staphylococcus aureus, all isolates | 109 | 13 | | | | | | 88 | 88 | 88 | 88 | 88 | | | | | 79 | 70 | 98 | | | 99 | | | | 100 | 100 |
| - methicillin-susceptible | 96 | 11 | | | | | | 100 | 100 | 100 | 100 | 100 | | | | | 78 | 72 | 99 | | | 99 | | | | 100 | 100 |
| - methicillin-resistant (MRSA) | 13 | 2 | | | | | | 0 | 0 | 0 | 0 | 0 | | | | | 83 | 58 | 92 | | | 100 | | | | 100 | 100 |
| Enterococcus faecalis, all isolates | 32 | 4 | 100 | 100 | | | | 100 | | | | | | | | | | | | | | | | | | 100 | |
| - vancomycin-susceptible | 32 | 4 | 100 | 100 | | | | 100 | | | | | | | | | | | | | | | | | | 100 | |
| Group A streptococci** | 21 | 2 | | | 100 | | | | | | | | | | | | 86 | 76 | | | | | | | | 100 | |
| Viridans group streptococci° | 20 | 2 | | | 45 | | | | | | | | 95 | | | | | | | | | | | | | 100 | |
| Streptococcus pneumoniae | 19 | 2 | | | | 0 | 0 | | | | | | | 94 | 100 | | 100 | 76 | | | 100 | | | | | 100 | |
| Enterococcus faecium, all isolates | 16 | 2 | 6 | 6 | | | | 6 | | | | | | | | | | | | | | | | | | 62 | |
| - vancomycin-susceptible | 11 | 1 | 9 | 9 | | | | 9 | | | | | | | | | | | | | | | | | | 90 | |
| - vancomycin-resistant (VRE) | 5 | 1 | 0 | 0 | | | | 0 | | | | | | | | | | | | | | | | | | 0 | 80 |
| Group B streptococci** | 8 | 1 | | | 100 | | | | | | | | | | | | 62 | | | | | | | | | 100 | |
| Group G streptococci** | 6 | 1 | | | 100 | | | | | | | | | | | | 67 | 67 | | | | | | | | 100 | |
| Staphylococcus lugdunensis | 6 | 1 | | | | <u> </u> | | 83 | 83 | 83 | 83 | 83 | | | | | 67 | 50 | 83 | | | 100 | | | | 100 | 100 |

General Notes:

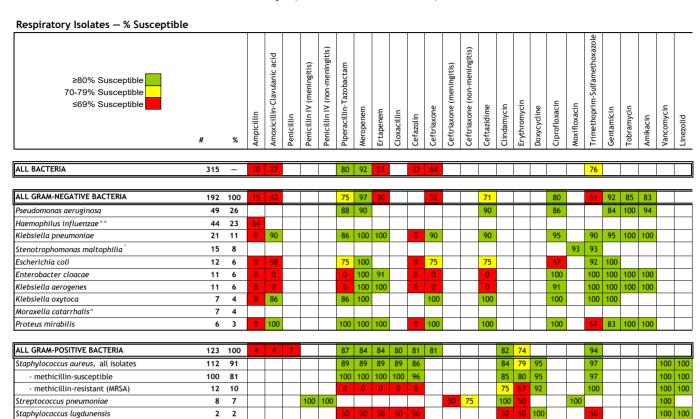
- > Statistical validity of estimates of percent susceptibility for organisms for which there are fewer than 30 isolates reported is limited. Please take this into consideration when interpreting the reported results.
- > Some organisms for which there were only very small numbers have been excluded 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.
- \succ 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.



Group A streptococci** General Notes:

Mycobacterium tuberculosis complex

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

Organism-Specific Notes

- ^ M. catarrhalis: Susceptibility testing is not routinely performed. Most isolates are resistant to ampicillin and amoxicillin but are generally susceptible to other antibiotics commonly used for respiratory infections.
- ^^ H. influenzae and H. parainfluenzae: Susceptibility to ampicillin was determined using beta-lactamase testing. Beta-lactamase-positive isolates are resistant to ampicillin but are generally susceptible to amoxicillin-clavulanic acid and cefuroxime.
- ** 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.
- 'S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

2 2

1 1

Urine Isolates - % Susceptible

| Urine Isolates — % Susceptible | | | | | | | | | | | | | | | | | | | | | |
|--|------|---------|------------|-----------------------------|-------------------------|-----------|-----------|-------------|-----------|------------|-------------|-------------|-------------|---------------|-------------------------------|----------------|------------|------------|----------|------------|-----------|
| ≥80% Susceptible 70-79% Susceptible ≤69% Susceptible | # | % | Ampicillin | Amoxicillin-Clavulanic acid | Piperacillin-Tazobactam | Meropenem | Ertapenem | Cloxacillin | Cefazolin | Cephalexin | Ceftriaxone | Ceftazidime | Doxycycline | Ciprofloxacin | Trimethoprim-Sulfamethoxazole | Nitrofurantoin | Gentamicin | Tobramycin | Amikacin | Vancomycin | Linezolid |
| ALL BACTERIA | 1259 | _ | 19 | 61 | 72 | 80 | 71 | | 6 | 2 | 51 | | 7 | 73 | 59 | 67 | | | | | |
| ALL DACTERIA | 1237 | | 17 | UI | 12 | 80 | 71 | | U | | JI | | - / | 73 | J7 | 07 | | | | | |
| ALL GRAM-NEGATIVE BACTERIA | 994 | 100 | 4 | 57 | 69 | 99 | 88 | | 5 | | 63 | 72 | | 74 | 73 | 63 | 94 | 45 | 97 | | _ |
| Escherichia coli | 553 | 56 | 4 | 68 | 73 | 100 | 100 | | 7 | | 77 | 77 | 0 | 64 | 76 | 96 | 93 | 65 48 | 98 | | |
| Klebsiella pneumoniae | | | 0 | 84 | 85 | 99 | 89 | | 0 | | 90 | 90 | 0 | 83 | 84 | 31 | 97 | 80 | 90 | | |
| Pseudomonas aeruginosa | 139 | 14 9 | U | 04 | 96 | 99 | 07 | | U | | 90 | 90 | U | 93 | 04 | 31 | 97 | 100 | 90 | | |
| Proteus mirabilis | 63 | 6 | 20 | 95 | 95 | 100 | 100 | | 20 | | 97 | 97 | | 87 | 79 | 0 | 94 | 75 | 100 | | |
| Enterobacter cloacae | 46 | 5 | 0 | 0 | 2 | 98 | 96 | | 0 | 0 | 0 | 0 | 0 | 93 | 93 | 30 | 96 | 98 | 100 | | |
| Klebsiella aerogenes | 20 | 2 | 0 | 0 | 0 | 100 | 100 | | 0 | 0 | 0 | 0 | 0 | 80 | 95 | 25 | 100 | 100 | 100 | | |
| Morganella morganii | 20 | 2 | 0 | 0 | 0 | 100 | 100 | | 0 | 0 | 0 | 0 | | 65 | 75 | 0 | 95 | 90 | 100 | | |
| Klebsiella oxytoca | 18 | 2 | 0 | 78 | 78 | 100 | 100 | | 0 | | 78 | 78 | | 89 | 94 | 78 | 94 | 50 | 100 | | |
| Citrobacter koseri | 10 | 1 | 0 | 0 | 0 | 100 | 100 | | 0 | 0 | 0 | 0 | | 100 | 100 | 80 | 100 | 100 | 100 | | |
| Citrobacter freundii | 7 | 1 | 0 | 0 | 0 | 100 | 100 | | 0 | 0 | 0 | 0 | | 100 | 86 | 100 | 100 | 86 | 100 | | |
| Serratia marcescens | 7 | 1 | 0 | 0 | 0 | 100 | 100 | | 0 | 0 | 0 | 0 | | 71 | 100 | 0 | 100 | 100 | 100 | | |
| Proteus vulgaris | 6 | 1 | 0 | 0 | 0 | 100 | 100 | | 0 | 0 | 0 | 0 | | 100 | 83 | 17 | 100 | 100 | 100 | | |
| | | | | | | | | | | | | | | | | | | | | | |
| ALL GRAM-POSITIVE BACTERIA | 265 | 100 | 75 | 75 | 83 | 8 | 8 | 8 | 8 | 8 | 8 | | 31 | 68 | 9 | 81 | | | | 94 | |
| Enterococcus faecalis, all isolates | 194 | 73 | 100 | 100 | 100 | | | | | | | | 27 | 90 | | 97 | | | | 98 | 100 |
| - vancomycin-susceptible | 191 | 72 | 100 | 100 | 100 | | | | | | | | 27 | 91 | | 99 | | | | 100 | 100 |
| - vancomycin-resistant (VRE) | 3 | 1 | 100 | 100 | 100 | | | | | | | | 0 | 0 | | 0 | | | | 0 | 10 |
| Enterococcus faecium, all isolates | 46 | 17 | 13 | 13 | 13 | | | | | | | | 22 | 14 | | 9 | | | | 78 | 10 |
| - vancomycin-susceptible | 36 | 14 | 17 | 17 | 17 | | | | | | | | 25 | 18 | | 11 | | | | 100 | 10 |
| - vancomycin-resistant (VRE) | 10 | 4 | 0 | 0 | 0 | | | | | | | | 10 | 0 | | 0 | | | | 0 | 10 |
| Staphylococcus aureus, all isolates | 23 | 9 | | | 91 | 91 | 91 | 91 | 91 | 91 | | | 91 | | 100 | 100 | | | | 100 | 10 |
| - methicillin-susceptible | 21 | 8 | | | 100 | 100 | 100 | 100 | 100 | 100 | | | 90 | | 100 | 100 | | | | 100 | 10 |
| - methicillin-resistant (MRSA) | 2 | 1 | | | 0 | 0 | 0 | 0 | 0 | 0 | | | 100 | | 100 | 100 | | | | 100 | 10 |
| Staphylococcus lugdunensis | 3 | 1 | | | 100 | 100 | 100 | 100 | 100 | 100 | | | 100 | | 100 | 100 | | | | 100 | 10 |
| Coagulase-negative staphylococci | 1 | 0 | | | 0 | 0 | 0 | 0 | 0 | | | | 100 | | 100 | 100 | | | | 100 | 10 |
| Staphylococcus saprophyticus " | 1 | 0 | | | | | | | | | | | | | | | | | | | |

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.

Organism-Specific Notes:

" S. saprophyticus: Susceptibility testing is not routinely perfomed. Most urinary tract infections due to this organism respond to nitrofurantoin, trimethoprim/sulfamethoxazole or fluoroquinolones.

| All Specimens — % Susceptible ≥80% Susceptible 70-79% Susceptible ≤69% Susceptible | # | % | Ampicillin | Amoxicillin-Clavulanic acid | Penicillin | Penicillin IV (meningitis) | Penicillin IV (non-meningitis) | Piperacillin-Tazobactam | Meropenem | Ertapenem | Cloxacillin | Cefazolin | Cephalexin | Ceftriaxone | Ceftriaxone (meningitis) | Ceftriaxone (non-meningitis) | Ceftazidime | Clindamycin | Erythromycin | Doxycycline | Ciprofloxacin | Moxifloxacin | Trimethoprim-Sulfamethoxazole | Nitrofurantoin | Gentamicin | Tobramycin | Amikacin | Vancomycin | Linezolid |
|---|------|-----|------------|-----------------------------|------------|----------------------------|--------------------------------|-------------------------|-----------|-----------|-------------|-----------|------------|-------------|--------------------------|------------------------------|-------------|-------------|--------------|-------------|---------------|--------------|-------------------------------|----------------|------------|------------|----------|------------|-----------|
| ALL BACTERIA | 2509 | _ | 22 | 45 | | | | 72 | | 68 | | 36 | 25 | 57 | | | | | | 41 | 81 | | 66 | 69 | | | | | |
| ALL GRAM-NEGATIVE BACTERIA | 1473 | 100 | 45 | 54 | | | | 71 | 99 | 81 | | | | | | | 72 | | | 24 | 76 | | 70 | 56 | 94 | 88 | 98 | _ | |
| Escherichia coli | 675 | 46 | 24 | 68 | | | | 74 | 100 | 100 | | 25 33 | 0 | 78 | | | 73 78 | | | 33 | 63 | | 76 | 95 | 92 | 79 | 98 | | |

| ALL GRAM-NEGATIVE BACTERIA | 1473 | 100 | 15 | 54 | | 71 | 99 | 81 | 25 | | 61 | | 73 | | 21 | 76 | | 70 | 56 | 94 | 88 | 98 | |
|--------------------------------|------|-----|----|----|--|----|-----|-----|----|---|----|--|----|--|-----|-----|----|-----|-----|-----|-----|-----|--|
| Escherichia coli | 675 | 46 | 24 | 68 | | 74 | 100 | 100 | 33 | 0 | 78 | | 78 | | 33 | 63 | | 76 | 95 | 92 | 79 | 98 | |
| Klebsiella pneumoniae | 204 | 14 | 0 | 85 | | 86 | 99 | 96 | 60 | | 90 | | 90 | | 0 | 85 | | 85 | 25 | 98 | 96 | 99 | |
| Pseudomonas aeruginosa | 195 | 13 | | | | 94 | 96 | | | | | | 94 | | | 88 | | | | 93 | 99 | 97 | |
| Proteus mirabilis | 96 | 7 | 29 | 97 | | 96 | 100 | 100 | 29 | | 98 | | 98 | | 0 | 86 | | 80 | 1 | 93 | 87 | 100 | |
| Enterobacter cloacae | 84 | 6 | 0 | 0 | | 2 | 99 | 98 | 0 | 0 | 1 | | 1 | | 67 | 95 | | 94 | 33 | 98 | 99 | 100 | |
| Haemophilus influenzae^^ | 46 | 3 | 59 | | | | | | | | | | | | | | | | | | | | |
| Klebsiella aerogenes | 34 | 2 | 0 | 0 | | 0 | 100 | 100 | 0 | 0 | 0 | | 0 | | 0 | 91 | | 97 | 24 | 100 | 100 | 100 | |
| Klebsiella oxytoca | 34 | 2 | 0 | 82 | | 79 | 100 | 100 | 7 | | 85 | | 85 | | | 91 | | 94 | 82 | 94 | 82 | 100 | |
| Morganella morganii | 24 | 2 | 0 | 0 | | 0 | 100 | 100 | 0 | 0 | 0 | | 0 | | | 71 | | 83 | 0 | 96 | 92 | 100 | |
| Citrobacter koseri | 19 | 1 | 0 | 0 | | 0 | 100 | 100 | 0 | 0 | 0 | | 0 | | 100 | 100 | | 100 | 74 | 100 | 100 | 100 | |
| Stenotrophomonas maltophilia ' | 19 | 1 | | | | | | | | | | | | | | | 89 | 100 | 0 | | | | |
| Serratia marcescens | 17 | 1 | 0 | 0 | | 0 | 100 | 100 | 0 | 0 | 0 | | 0 | | | 88 | | 100 | 0 | 100 | 100 | 100 | |
| Citrobacter freundii | 15 | 1 | 0 | 0 | | 0 | 100 | 100 | 0 | 0 | 0 | | 0 | | | 100 | | 93 | 100 | 100 | 93 | 100 | |
| Moraxella catarrhalis^ | 11 | 1 | | | | | | | | | | | | | | | | | | | | | |

| ALL GRAM-POSITIVE BACTERIA | 1036 | 100 | 32 | 32 | 11 | | | 72 | 50 | 50 | 40 | 50 | 60 | 51 | | | 51 | 41 | 70 | 89 | | 58 | 88 | | 9 | 94 | 97 |
|-------------------------------------|------|-----|-----|-----|-----|-----|----|-----|----|----|----|----|----|----|----|----|-----|----|-----|-----|-----|----|-----|--|----|------|-----|
| Coagulase-negative staphylococci | 784 | 76 | | | | | | 45 | 45 | 45 | 45 | 45 | | | | | 62 | 39 | 89 | 100 | | 76 | 99 | | 10 | 00 1 | 100 |
| Staphylococcus aureus, all isolates | 395 | 38 | | | | | | 84 | 84 | 84 | 84 | 83 | 83 | | | | 81 | 70 | 95 | 100 | | 98 | 97 | | 10 | 00 1 | 100 |
| - methicillin-susceptible | 335 | 32 | | | | | | 99 | 99 | 99 | 99 | 98 | 98 | | | | 81 | 72 | 96 | 100 | | 98 | 98 | | 10 | 00 1 | 100 |
| - methicillin-resistant (MRSA) | 60 | 6 | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | 79 | 59 | 91 | 100 | | 97 | 90 | | 10 | 00 1 | 100 |
| Enterococcus faecalis, all isolates | 225 | 22 | 100 | 100 | | | | 100 | | | | | | | | | | | 27 | 93 | | | 99 | | 10 | 00 1 | 100 |
| - vancomycin-susceptible | 225 | 22 | 100 | 100 | | | | 100 | | | | | | | | | | | 27 | 93 | | | 99 | | 10 | 00 1 | 100 |
| Enterococcus faecium, all isolates | 69 | 7 | 10 | 10 | | | | 10 | | | | | | | | | | | 21 | 16 | | | 12 | | 7 | 72 | 98 |
| - vancomycin-susceptible | 51 | 5 | 14 | 14 | | | | 14 | | | | | | | | | | | 25 | 22 | | | 16 | | 9 | 98 1 | 100 |
| - vancomycin-resistant (VRE) | 18 | 2 | 0 | 0 | | | | 0 | | | | | | | | | | | 11 | 0 | | | 0 | | - | b | 94 |
| Streptococcus anginosus group°° | 36 | 3 | | | 92 | | | | | | | | | 94 | | | | | | | | | | | 10 | 00 | |
| Group A streptococci** | 36 | 3 | | | 100 | ı | | | | | | | | | | | 86 | 71 | | | | | | | 10 | 00 | |
| Streptococcus pneumoniae | 27 | 3 | | | | 80 | 80 | | | | | | | | 86 | 95 | 100 | 71 | 100 | | 100 | | | | 10 | 00 | |
| Viridans group streptococci° | 26 | 3 | | | 54 | | | | | | | | | 96 | | | | | | | | | | | 10 | 00 | |
| Staphylococcus lugdunensis | 23 | 2 | | | | | | 78 | 78 | 78 | 78 | 78 | 78 | | | | 78 | 74 | 91 | | | 96 | 100 | | 10 | 00 1 | 100 |
| Group B streptococci** | 14 | 1 | | | 100 | r e | | | | | | | | | | | 46 | 46 | | | | | | | 10 | 00 | Т |
| Mycobacterium tuberculosis complex | 9 | 1 | | | | | | | | | | | | | | | | | | | | | | | | T | |
| Group G streptococci** | 8 | 1 | | | 100 | ı | | | | | | | | | | | 71 | 71 | | | | | | | 10 | 00 | |
| Corynebacterium species** | 6 | 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.
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- ${m >}$ 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.
- All specimens exclude surveillance samples.

Organism-Specific Notes:

- ^ M. catarrhalis: Susceptibility testing is not routinely performed. Most isolates are resistant to ampicillin and amoxicillin but are generally susceptible to other antibiotics commonly used for respiratory infections.
- ^^ H. influenzae and H. parainfluenzae: Susceptibility to ampicillin was determined using beta-lactamase testing. Beta-lactamase-positive isolates are resistant to ampicillin but are generally susceptible to amoxicillin-clavulanic acid and cefuroxime.
- ** 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.
- •• Corynebacterium species: Susceptibility testing is not routinely performed. All isolates are considered susceptible to vancomycin.
- 'S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.
- ** S. anginosus group: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.

Toronto Western Hospital ANTIBIOGRAM All Inpatients

January 1, 2024 - December 31, 2024

All Non-Urine Isolates - % Susceptible

| All Non-Urine Isolates — % Suscept | ıbie | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------|-----|------------|-----------------------------|------------|----------------------------|--------------------------------|-------------------------|-----------|-----------|-------------|-----------|-------------|--------------------------|------------------------------|-------------|-------------|--------------|-------------|---------------|--------------|-----------------------------------|------------|------------|----------|------------|-----------|
| ≥80% Susceptible 70-79% Susceptible ≤69% Susceptible | # | % | Ampicillin | Amoxicillin-Clavulanic acid | Penicillin | Penicillin IV (meningitis) | Penicillin IV (non-meningitis) | Piperacillin-Tazobactam | Meropenem | Ertapenem | Cloxacillin | Cefazolin | Ceftriaxone | Ceftriaxone (meningitis) | Ceftriaxone (non-meningitis) | Ceftazidime | Clindamycin | Erythromycin | Doxycycline | Ciprofloxacin | Moxifloxacin | Trimethoprim- Sulfamethoxazole | Gentamicin | Tobramycin | Amikacin | Vancomycin | Linezolid |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL BACTERIA | 1951 | - | 14 | 23 | | | | 63 | 70 | 60 | | 48 | 56 | | | | | | | | | 73 | | | | | 二 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL GRAM-NEGATIVE BACTERIA | 620 | 100 | 18 | 47 | | | | 70 | 99 | 69 | | 28 | 55 | | | 71 | | | | 75 | | 67 | 94 | 93 | 98 | | |
| Escherichia coli | 188 | 30 | 40 | 64 | | | | 72 | 100 | 100 | | 53 | 76 | | | 76 | | | | 57 | | 76 | 91 | 86 | 98 | | |
| Pseudomonas aeruginosa | 116 | 19 | | | | | | 92 | 94 | | | | | | | 93 | | | | 86 | | | 92 | 99 | 96 | | |
| Klebsiella pneumoniae | 88 | 14 | 0 | 85 | | | | 85 | 99 | 97 | | 72 | 88 | | | 88 | | | | 86 | | 86 | 98 | 97 | 100 | | |
| Haemophilus influenzae^^ | 46 | 7 | 59 | | | | | | | | | | | | | | | | | | | | | | | | |
| Enterobacter cloacae | 44 | 7 | 0 | 0 | | | | 2 | 100 | 98 | | 0 | 2 | | | 2 | | | | 98 | | 95 | 100 | 100 | 100 | | |
| Proteus mirabilis | 36 | 6 | 28 | 100 | | | | 97 | 100 | 100 | | 30 | 100 | | | 100 | | | | 83 | | 79 | 89 | 88 | 100 | | |
| Klebsiella aerogenes | 20 | 3 | 0 | 0 | | | | 0 | 95 | 100 | | 0 | 0 | | | 0 | | | | 89 | | 95 | 100 | 100 | 100 | | |
| Stenotrophomonas maltophilia ' | 18 | 3 | | | | | | | | | | | | | | | | | | | 89 | 100 | | | | | |
| Klebsiella oxytoca | 16 | 3 | 0 | 88 | | | | 81 | 100 | 100 | | 11 | 94 | | | 94 | | | | 94 | | 94 | 94 | 89 | 100 | | |
| Serratia marcescens | 12 | 2 | 0 | 0 | | | | 0 | 100 | 100 | | 0 | 0 | | | 0 | | | | 92 | | 100 | 100 | 100 | 100 | | |
| Moraxella catarrhalis^ | 11 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Citrobacter koseri | 9 | 1 | 0 | 0 | | | | 0 | 100 | 100 | | 0 | 0 | | | 0 | | | | 100 | | 100 | 100 | 100 | 100 | | |
| Citrobacter freundii | 8 | 1 | 0 | 0 | | | | 0 | 100 | 100 | | 0 | 0 | | | 0 | | | | 100 | | 100 | 100 | 100 | 100 | | Ī |
| Morganella morganii | 8 | 1 | 0 | 0 | | | | 0 | 100 | 100 | | 0 | 0 | | | 0 | | | | 100 | | 88 | 100 | 100 | 100 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL GRAM-POSITIVE BACTERIA | 1331 | 100 | 12 | 12 | 9 | | | 60 | 57 | 57 | 48 | 56 | 57 | | | | 64 | 48 | | | | 76 | | | | 96 | |
| Coagulase-negative staphylococci | 723 | 54 | | | | | | 46 | 46 | 46 | 46 | 46 | | | | | 62 | 40 | 89 | | | 75 | | | | 100 | 10 |
| Staphylococcus aureus, all isolates | 381 | 29 | | | | | | 84 | 84 | 84 | 84 | 82 | | | | | 81 | 70 | 96 | | | 98 | | | | 100 | 10 |
| - methicillin-susceptible | 322 | 24 | | | | | | 99 | 99 | 99 | 99 | 97 | | | | | 81 | 72 | 97 | | | 98 | | | | 100 | 10 |
| - methicillin-resistant (MRSA) | 59 | 4 | | | | | | 0 | 0 | 0 | 0 | 0 | | | | | 81 | 60 | 91 | | | 97 | | | | 100 | 10 |
| Enterococcus faecalis | 49 | 4 | 100 | 100 | | | | 100 | | | | | | | | | | | | | | | | | | 100 | |
| Group A streptococci** | 37 | 3 | | | 100 | | | | | | | | | | | | 86 | 71 | | | | | | | | 100 | |
| Streptococcus anginosus group°° | 36 | 3 | | | 92 | | | | | | | | 94 | | | | | | | | | | | | | 100 | |
| Streptococcus pneumoniae | 27 | 2 | | | | 80 | 80 | | | | | | | 86 | 95 | | 100 | 71 | | | 100 | | | | | 100 | |
| Viridans group streptococci° | 26 | 2 | | | 54 | | | | | | | | 96 | | | | | | | | | | | | | 100 | |
| Enterococcus faecium, all isolates | 24 | 2 | 4 | 4 | | | | 4 | | | | | | | | | | | | | | | | | | 58 | Ĺ |
| - vancomycin-susceptible | 15 | 1 | 7 | 7 | | | | 7 | | | | | | | | | | | | | | | | | | 92 | |
| 1 | | | | _ | | 1 | 1 | | | | | | 1 | 1 | | 1 | t — | | | | 1 | 1 | 1 | 1 | _ | | _ |

Corynebacterium species** General Notes:

- vancomycin-resistant (VRE)

Mycobacterium tuberculosis complex

Staphylococcus lugdunensis

Group B streptococci**

Group G streptococci**

- > 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" isted 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.
- ${\color{red}\succ} \ {\color{blue} Susceptibility} \ to \ doxycycline \ was \ predicted \ based \ on \ tetracycline \ susceptibility \ testing \ results.$

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:

- ^ M. catarrhalis: Susceptibility testing is not routinely performed. Most isolates are resistant to ampicillin and amoxicillin but are generally susceptible to other antibiotics commonly used for respiratory infections.
- ^^ H. influenzae and H. parainfluenzae: Susceptibility to ampicillin was determined using beta-lactamase testing. Beta-lactamase-positive isolates are resistant to ampicillin but are generally susceptible to amoxicillin-clavulanic acid and cefuroxime.
- ** 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.
- ** Corynebacterium species: Susceptibility testing is not routinely perfomed. All isolates are considered susceptible to vancomycin.

1

20 2

14 1

9 1

8 1 6 0

- ' S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.
- ** 5. anginosus group: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.