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**2023  
AMPNY  
Antibiogram**

**Data Are Percent Susceptible**

**January 2022 – December 2022**

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## Choice of Antimicrobial Therapy

### A. Empiric Therapy:

Prior to receiving specific susceptibility results, drugs to which organisms are greater than 80% susceptible are generally considered good choices, although patient history, site of infection, and specific pharmacologic properties as they apply to the particular patient must be taken into account.

### B. Therapeutic Therapy:

The drug of choice for treatment of an infection is usually the most active drug against the pathogenic organism or the organism most likely to cause infection. Choice of drugs should be modified by site of infection and patient's clinical status regarding allergy, renal function, immune status or pregnancy.

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| OrganismDisplay                  | Number of Isolates* | Ampicillin | Amoxicillin/clavulanate | Ampicillin/sulbactam | Piperacillin/tazobactam !! | Cefazolin** | Cefoxitin | Cefepime | Ceftazidime | Ceftaxone | Ertapenem | Meropenem | Ciprofloxacin | Levofloxacin | Gentamicin** | Tobramycin | Amikacin | Tetracycline (Doxycycline) | Minocycline | Trimethoprim/sulfamethoxazole (Bactrim) | Nitrofurantoin | Clindamycin | Erythromycin | Azithromycin | Oxacillin+ | Penicillin | Vancocycin | Rifampin** | Linezolid |
|----------------------------------|---------------------|------------|-------------------------|----------------------|----------------------------|-------------|-----------|----------|-------------|-----------|-----------|-----------|---------------|--------------|--------------|------------|----------|----------------------------|-------------|---|----------------|-------------|--------------|--------------|------------|------------|------------|------------|-----------|
| ESCHERICHIA COLI                 | 3136                | 53         | 84                      | ##                   | 96/97                      | 87          | 90        | 93       | 92          | 92        | 100       | 100       | 66            | 62           | 92           | 93         | 100      | 78                         | ##          | 78                                      | 96             |             |              |              |            |            |            |            |           |
| KLEBSIELLA PNEUMONIAE            | 713                 | 0          | 96                      | ##                   | 89/96                      | 94          | 94        | 95       | 95          | 95        | 99        | 99        | 87            | 82           | 97           | 96         | 100      | 79                         | ##          | 89                                      | 37             |             |              |              |            |            |            |            |           |
| PROTEUS MIRABILIS                | 206                 | 82         | 100                     | ##                   | 99/99                      | 95          | 95        | 99       | 98          | 99        | 77        | 100       | 82            | 82           | 96           | 97         | 99       | 0                          | ##          | 81                                      | 0              |             |              |              |            |            |            |            |           |
| ENTEROBACTER CLOACAE COMPLEX     | 175                 | 0          | 0                       | ##                   | 71/76                      | 0           | 0         | 99       | 79          | 73        | 92        | 97        | 88            | 82           | 99           | 99         | 100      | 86                         | ##          | 84                                      | 49             |             |              |              |            |            |            |            |           |
| KLEBSIELLA OXYTOCA               | 137                 | 0          | 89                      | ##                   | 90/92                      | 74          | 99        | 96       | 96          | 95        | 100       | 100       | 96            | 97           | 97           | 100        | 95       | ##                         | 97          | 90                                      |                |             |              |              |            |            |            |            |           |
| CITROBACTER FREUNDII             | 65                  | 0          | 0                       | ##                   | 78/81                      | 0           | 0         | 100      | 78          | 78        | 98        | 100       | 87            | 84           | 100          | 100        | 100      | 87                         | ##          | 92                                      | 90             |             |              |              |            |            |            |            |           |
| SERRATIA MARCESCENS              | 58                  | 0          | 0                       | ##                   | ##                         | 0           | 0         | 100      | 100         | 98        | 91        | 100       | 95            | 86           | 100          | 95         | 100      | 25                         | ##          | 100                                     | 0              |             |              |              |            |            |            |            |           |
| MORGANELLA MORGANII              | 55                  | 0          | 2                       | ##                   | 94/94                      | 0           | 36        | 98       | 85          | 91        | 100       | 100       | 71            | 67           | 93           | 98         | 100      | 40                         | ##          | 76                                      | 0              |             |              |              |            |            |            |            |           |
| CITROBACTER KOSERI               | 51                  | 0          | 12                      | ##                   | 100/100                    | 100         | 94        | 100      | 100         | 100       | 100       | 100       | 100           | 98           | 100          | 100        | 100      | 100                        | ##          | 92                                      | 94             |             |              |              |            |            |            |            |           |
| PSEUDOMONAS AERUGINOSA           | 311                 | NI         | NI                      | NI                   | 95                         | 0           | NI        | 92       | 93          | 100       | NI        | 93        | 75            | 69           | 95           | 99         | 99       | NI                         | NI          | NI                                      | NI             |             |              |              |            |            |            |            |           |
| ENTEROCOCCUS SP., VSE            | 466                 | 96         |                         |                      |                            |             |           |          |             |           |           |           | 83            | 85           |              |            |          | 0                          |             |   | 96             | 50          |              |              |            | 100        |            | 100        |           |
| ENTEROCOCCUS SP., VRE            | 43                  | 17         |                         |                      |                            |             |           |          |             |           |           |           | 4             | 4            |              |            |          |                            |             |   | 21             | 0           |              |              |            | 0          |            | 100        |           |
| STAPH. SPECIES, COAG.NEG         | 386                 |            |                         |                      |                            |             |           |          |             |           |           |           | 61            | 62           | 90           |            |          | 81                         |             | 76                                      | 100            | 89          | 80           |              | 54         |            | 99         | 99         | 100       |
| STAPH. AUREUS, MSSA              | 91                  |            |                         |                      |                            |             |           |          |             |           |           |           | 80            | 82           | 100          |            |          | 95                         |             | 99                                      | 99             | 71          | 71           |              | 100        |            | 100        | 99         | 100       |
| STAPH. AUREUS, MRSA              | 32                  |            |                         |                      |                            |             |           |          |             |           |           |           | 0             | 0            | 100          |            |          | 90                         |             | 84                                      | 97             | 0           | 0            |              | 0          |            | 100        | 100        | 100       |
| STAPHYLOCOCCUS SAPRO-            | 15                  |            |                         |                      |                            |             |           |          |             |           |           |           | 100           | 100          |              |            |          | 100                        |             | 93                                      | 100            |             |              |              | 53         |            | 100        | 100        |           |
| STAPHYLOCOCCUS EPIDE-            | 7                   |            |                         |                      |                            |             |           |          |             |           |           |           | 57            | 57           |              |            |          | 71                         |             | 86                                      | 100            |             |              |              | 71         |            | 100        | 100        | 100       |
| STENOTROPH MALTOPHILIA COMM WIDE | 257                 |            |                         |                      |                            |             |           |          | 27          |           |           |           |               |              | 85           |            |          |                            | 100         | 96                                      |                |             |              |              |            |            |            |            |           |
| ACINETOBACT BAUMANII COMM WIDE   | 162                 | 0          | 78                      |                      | 33                         | 0           |           | 40       | 30          | 5         | 0         | 47        | 36            | 36           | 45           | 97         | 100      | 30                         |             | 45                                      |                |             |              |              |            |            |            |            |           |
| HAEM INFLUENZAE COMM WIDE        | 131                 | 72         |                         |                      |                            |             |           |          |             | 98        |           |           |               | 99           |              |            |          | 76                         |             | 56                                      |                |             |              |              |            |            |            |            |           |
| STREP PNEUMONIAE COMM WIDE       | 104                 |            |                         |                      |                            |             |           |          |             | 96        |           |           |               | 99           |              |            |          | 84                         |             | 83                                      |                | 88          | 62           | 62           |            | 99#        | 100        |            | 100       |

\* Note: isolates from all sources; urine, blood, respiratory, wound, etc.

\*\* For uncomplicated UIT's, Cefazolin MIC results less than or equal to 16 mcg/ml predict susceptibility of the following oral cephalosporins: cefactor, cefdinir, cefpodoxime, cefprozil, cefuroxime and + Oxacillin susceptible Staph are also susceptible to other penicillinase resistant penicillins, betalactam/betalactamase inhibitor combinations, cepheps, and carbapenems FDA approved to treat Staph

++ Gentamicin and Rifampin may be used in combination with other drugs against Staph isolates.

!! Pip/Taz data for ENTERICS: 1st % is Susceptible (<=8/4) and 2nd % is Susceptible plus Susceptible Dose Dependent (<=16/4)

# 99% were in the intermediate or susceptible range indicating many could be treated for pneumonia with appropriate dosing of an IV penicillin.

## No data

NI= drug not active

The percentage in red are greater than or equal to 80% susceptibility, potentially useful for empiric therapy.