

SHARP CHULA VISTA HOSPITAL INPATIENT ANTIBIOGRAM January - December 2022

|                                     | No of isolates | Penicillins |                         |                      |                         | Cephalosporins |          |             |             |            | Monobactam | Carbapenem | Aminoglycosides |            |            | Fluoroquinolones |              | Other         |             |
|-------------------------------------|----------------|-------------|-------------------------|----------------------|-------------------------|----------------|----------|-------------|-------------|------------|------------|------------|-----------------|------------|------------|------------------|--------------|---------------|-------------|
|                                     |                | Ampicillin  | Amoxicillin/Clavulanate | Ampicillin/sulbactam | Piperacillin/tazobactam | Cefazolin      | Cefepime | Ceftazidime | Ceftriaxone | Cefuroxime | Aztreonam  | Imipenem   | Amikacin        | Gentamicin | Tobramycin | Ciprofloxacin    | Levofloxacin | Trimeth/sulfa | Minocycline |
|                                     |                |             |                         |                      |                         |                |          |             |             |            |            |            |                 |            |            |                  |              |               |             |
| Citrobacter freundii                | 38             | R           | R                       | R                    |                         | R              | 87       |             |             |            |            |            | 100             | 97         |            | 97               | 82           |               |             |
| Citrobacter koseri                  | 49             | R           |                         |                      | 100                     | 94             |          | 100         | 75          |            |            |            | 100             | 100        |            | 100              | 100          |               |             |
| Enterobacter (Klebsiella) aerogenes | 55             | R           | R                       | R                    |                         | R              | 98       |             |             | R          |            |            | 95              | 95         |            | 96               | 90           |               |             |
| Enterobacter cloacae                | 84             | R           | R                       | R                    |                         | R              | 89       |             |             | R          |            |            | 95              | 95         |            | 96               | 90           |               |             |
| Escherichia coli Total              | 2366           | 44          | 67                      | 51                   | 79                      | 74             |          | 79          | 73          |            |            |            | 82              | 82         | 72         | 73               | 64           |               |             |
| subset E.coli ESBL                  | 509            |             |                         |                      |                         |                |          |             |             |            |            | 100        | 98              | 52         | 44         | 33               | 40           |               |             |
| subset E. coli non-ESBL             | 1911           |             |                         |                      | 99                      |                |          | 99          |             |            |            |            | 90              | 91         |            | 83               | 70           |               |             |
| Klebsiella pneumoniae               | 460            | R           |                         |                      | 81                      | 80             |          | 81          | 75          |            |            |            | 83              | 87         |            | 93               | 77           |               |             |
| subset K. pneumo ESBL               | 88             | R           |                         |                      |                         |                |          |             |             |            |            | 100        | 100             | 47         | 38         | 70               | 8            |               |             |
| subset K.pneum non-ESBL             | 376            | R           |                         |                      | 99                      |                |          | 99          |             |            |            |            | 99              | 98         |            | 98               | 92           |               |             |
| Morganella morganii                 | 52             | R           | R                       | R                    | 94                      | R              | 96       |             |             |            |            |            | 85              | 92         |            | 77               | 58           |               |             |
| Proteus mirabilis                   | 283            | 80          | 94                      | 88                   | 97                      | 86             |          | 95          | 95          |            |            |            | 91              | 92         |            | 88               | 77           |               |             |
| Proteus vulgaris*                   | 25             | R           | 70                      | 64                   | 100                     |                |          | 72          | R           |            |            |            | 100             | 96         |            | 92               | 88           |               |             |
| Serratia marcescens                 | 49             | R           | R                       | R                    |                         | R              | 94       |             |             | R          |            |            | 100             |            |            | 96               | 98           |               |             |
| Acinetobacter baumannii*            | <10            | R           | R                       | 78                   |                         | R              |          |             |             | R          |            | 71         | 78              | 78         |            |                  |              |               |             |
| Pseudomonas aeruginosa              | 270            | R           | R                       | R                    | 93                      | R              | 91       | 92          | R           | R          | 87         | 90         | 96              | 88         | 97         | 90               | 89           | R             |             |
| Steno maltophilia                   | 27             | R           | R                       | R                    | R                       | R              |          |             |             |            | R          |            | R               | R          | R          |                  |              | 100           | 96          |

|   | No. of isolates | Penicillins |           |            | Aminoglycoside     |            | Other       |                               |  |                    |            |
|---|-----------------|-------------|-----------|------------|--------------------|------------|-------------|-------------------------------|--|--------------------|------------|
|   |                 | Ampicillin  | Oxacillin | Penicillin | Gentamicin Synergy | Gentamicin | Clindamycin | Nitrofurantoin (Urinary only) | Tetracycline (surrogate for doxycycline) | Trimethoprim/Sulfa | Vancomycin |
| Enterococcus faecalis                   | 181             | 99          | R         | 100        | 71                 | R          | R           | 98                            |  | R                  | 97         |
| Enterococcus faecium                    | 38              | 42          | R         | R          | 89                 | R          | R           | 50                            |  | R                  | 82         |
| Staphylococcus aureus, all              | 601             | R           | 60        | 16         |                    | 90         | 79          |                               | 85                                       | 99                 | 100        |
| Oxacillin sensitive Staph aureus (MSSA) | 359             | R           | 100       | 27         |                    | 92         | 81          |                               | 93                                       | 99                 | 100        |
| Oxacillin resistant Staph aureus (MRSA) | 246             | R           | 0         | 0          |                    | 86         | 77          |                               | 74                                       | 98                 | 100        |
| Staphylococcus epidermidis              | 31              | R           | 29        | 3          |                    | 77         | 55          |                               | 68                                       | 50                 | 100        |

  

|    | STREP PNEUMONIAE <sup>1</sup> | Penicillin-meningeal | Penicillin-Non-meningeal | Ceftriaxone-meningeal | Ceftriaxone-Non-meningeal |
|----|-------------------------------|----------------------|--------------------------|-----------------------|---------------------------|
| N= | <10                           | 21                   | <10                      | 21                    |                           |
| %S |                               | 90                   |                          | 98                    |                           |

  

|   |
|---|
| Beta-hemolytic streptococci are universally susceptible to penicillin |
|---|

R= intrinsic resistance (inherent or innate antimicrobial resistance)