

SHARP MARY BIRCH HOSPITAL NICU ONLY ANTIBIOGRAM January 2014 - December 2017

| | No of isolates | Penicillins | | | | Cephalosporins | | | | | Monoba | Carbape | Aminoglycosides | | | Fluoroquinolones | | Other |
|--|----------------|-------------|-------------------------|---------------------|-------------------------|----------------|----------|-------------|-------------|------------|-----------|----------|-----------------|------------|------------|------------------|--------------|---------------|
| | | Ampicillin | Amoxicillin/clavulanate | Ampicillin/subactam | Piperacillin/tazobactam | Cefazolin | Cefepime | Ceftazidime | Ceftriaxone | Cefuroxime | Aztreonam | Imipenem | Amikacin | Gentamicin | Tobramycin | Ciprofloxacin | Levofloxacin | Trimeth/sulfa |
| | | | | | | | | | | | | | | | | | | |
| <i>Citrobacter freundii</i> | <10 | R | R | R | | R | | | R | | | | | | | | | |
| <i>Citrobacter koseri</i> | <10 | R | | | | | | | | | | | | | | | | |
| <i>Enterobacter aerogenes</i> | 13 | R | R | R | | R | 100 | | R | | | | 100 | 100 | | 100 | 100 | |
| <i>Enterobacter cloacae</i> | 42 | R | R | R | | R | 100 | | R | | | | 100 | 100 | | 100 | 100 | |
| <i>Escherichia coli</i> | 63 | 22 | 77 | 36 | 87 | 76 | | 88 | 89 | | | | 84 | 89 | 92 | 92 | 64 | |
| subset E.coli ESBL | <10 | | | | | | | | | | | | | | | | | |
| subset E. coli non-ESBL | 57 | | | | 97 | | | 98 | | | | | 88 | 91 | | 97 | 69 | |
| <i>Klebsiella pneumoniae</i> | 38 | R | | | 95 | 90 | | 95 | 87 | | | | 95 | 95 | | 100 | 95 | |
| subset Kl. pneumo ESBL | <10 | | | | | | | | | | | | | | | | | |
| subset K.pneum non-ESBL | 36 | | | | 100 | | | 100 | | | | | 100 | 100 | | 100 | 100 | |
| <i>Proteus mirabilis</i> | <10 | | | | | | | | | | | | | | | | | |
| <i>Proteus vulgaris</i> | 0 | R | | | | | | | R | | | | | | | | | |
| <i>Serratia marcescens</i> | 14 | R | R | R | | R | 100 | | R | | | | 100 | | | 100 | 100 | |
| <i>Acinetobacter baumannii</i> | <10 | R | R | | | | | | | R | | | | | | | | |
| <i>Pseudomonas aeruginosa</i> | 22 | R | R | R | 100 | | 100 | 100 | | 100 | 100 | 100 | 91 | 100 | 100 | 100 | | |
| <i>Steno maltophilia</i> | <10 | R | R | R | R | R | | | | R | R | R | R | R | | | | |
| <i>Salmonella species</i> ¹ | <10 | | | | | | | | | | | | | | | | | |
| <i>Shigella species</i> ¹ | 0 | | | | | | | | | | | | | | | | | |

| | No. of Isolates | Penicillins | | | Aminoglycoside | Other | | | | | | | | |
|---|-----------------|-------------|-----------|------------|--------------------|------------|-------------|--------------|-----------------------------|-------------------------------|--|--------------------|------------|-----|
| | | Ampicillin | Oxacillin | Penicillin | Gentamicin Synergy | Gentamicin | Clindamycin | Erythromycin | Levofloxacin (urinary only) | Nitrofurantoin (Urinary only) | Tetracycline (surrogate for doxycycline) | Trimethoprim/Sulfa | Vancomycin | |
| | | | | | | | | | | | | | | |
| <i>Enterococcus faecalis</i> | 47 | 100 | R | 100 | 86 | R | R | | 96 | 100 | | R | 100 | |
| <i>Enterococcus faecium</i> | <10 | | R | | | R | | | | | | R | | |
| <i>Staphylococcus aureus, all</i> | 136 | | 92 | 20 | | 97 | 79 | 41 | | | | 98 | 100 | 100 |
| Oxacillin sensitive Staph aureus (MSSA) | 125 | | 100 | 22 | | 98 | 80 | 44 | | | | 98 | 100 | 100 |
| Oxacillin resistant Staph aureus (MRSA) | 11 | | 0 | 0 | | 91 | 64 | 9 | | | | 100 | 100 | 100 |
| Coagulase-negative Staphylococcus | 78 | | 22 | 5 | | 41 | 37 | 11 | | | | 73 | 82 | 100 |

| | STREP PNEUMONIAE ¹ | Penicillin-meningeal | Penicillin-Non-meningeal | Ceftriaxone-meningeal | Ceftriaxone-Non-meningeal |
|----|-------------------------------|----------------------|--------------------------|-----------------------|---------------------------|
| N= | 0 | <10 | 0 | <10 | |
| %S | | | | | |

Beta-hemolytic streptococci are universally susceptible to penicillin

¹ Includes all Inpatients and Outpatients

R= intrinsic resistance (inherent or innate antimicrobial resistance)