Example 5.2 University of California San Francisco Medical Center Adult and Pediatric Antibiogram 2013 (1 of 8)

| Total isolates include Floor Isola Gram-negative Isolate | | | | | | | | | • | presents t | op row |
|---|-------------------|------------|------------|--------------|--------------|-----------|------------------------|-----------|-----|--------------------------|---------|
| Organism | Total Isolates | CZOL | CTRX | CTAZ | CFPM | GEN | тов | T/S | CIP | Р/Т | MER |
| Acinetobacter baumannii 2013 | 15 | N/A | 47 | □80 | □87 | 80 | 87 | 73 | 73 | 67 | 87 |
| 2012 | 16 | N/A | 38 | 63 | 75 | 63 | 69 | 63 | 63 | 63 | 81 |
| 2011 | 12 | N/A | 42 | 50 | 50 | 50 | 83 | 50 | 50 | 42 | 58 |
| Citrobacter freundii 2013 | 37 | N/A | □57 | D 65 | 97 | 97 | 86 | 70 | 86 | 76 | 100 |
| 2012 | 24 | 5 | 75 | 79 | 96 | 88 | 79 | 75 | 75 | 83 | 100 |
| 2011 | 37 | 6 | 81 | 81 | 100 | 89 | 86 | 65 | 81 | 89 | 100 |
| nterobacter aerogenes 2013 | 43 | N/A | 63 | 63 | 100 | 100 | 100 | 95 | 95 | 63 | 98 |
| 2012 | 40 | N/A | 70 | 73 | 98 | 95 | 98 | 90 | 95 | 73 | 100 |
| 2011 | 27 | N/A | 74 | 74 | 100 | 96 | 96 | 89 | 96 | 81 | 100 |
| Enterobacter cloacae 2013 | 71 | N/A | 66 | 69 | 99 | 97 | 92 | 75 | 86 | 77 | 100 |
| 2012 | 65 | N/A | 71 | 74 | 100 | 89 | 91 | 77 | 89 | 86 | 100 |
| 2011 | 70 | N/A | 66 | 70 | 96 | 93 | 93 | 79 | 87 | 79 | 100 |
| Escherichia coli* 2013 | 969 | 60 | 85 | 91 | 95 | 86 | 86 | 65 | 69 | 97 | 100 |
| 2012 | 810 | □60 | 85 | 90 | 95 | 84 | 83 | 65 | 67 | 96 | 100 |
| 2011 | 592 | 73 | 88 | 92 | 96 | 87 | 85 | 65 | 68 | 96 | 100 |
| (lebsiella oxytoca 2013 | 44 | 25 | 93 | 100 | 100 | 98 | 100 | 93 | 98 | 91 | 100 |
| 2012 | 44 | 36 | 91 | 95 | 100 | 98 | 95 | 86 | 98 | 95 | 100 |
| 2011 | 31 | 48 | 94 | 97 | 100 | 97 | 97 | 90 | 100 | 90 | 100 |
| Klebsiella pneumoniae 2013 | 263 | 84 | 89 | 92 | 96 | 92 | 91 | 84 | 87 | 95 | 100 |
| 2012 | 227 | □78 | 89 | 91 | 96 | 95 | 92 | 77 | 90 | 93 | 100 |
| 2011 | 169 | 86 | 94 | 95 | 99 | 95 | 93 | 78 | 90 | 92 | 100 |
| roteus mirabilis 2013 | 122 | 17 | 99 | 100 | 100 | 91 | 93 | 81 | □68 | 100 | 100 |
| 2012 | 106 | □19 | 97 | 97 | 100 | 90 | 92 | 70 | 80 | 100 | 99 |
| 2011 | 60 | 45 | 95 | 98 | 100 | 90 | 94 | 76 | 77 | 100 | 100 |
| seudomonas aeruginosa** | 275 | N/A | N/A | 83 | 87 | N/A | 93 | N/A | 72 | 80 | 80 |
| 2013 ICU | 88 | N/A | N/A | 79 | 83 | N/A | 96 | N/A | 81 | 75 | 71 |
| 2012 ICU | 49 | N/A | N/A | 76 | 73 | N/A | 94 | N/A | 67 | 71 | 84 |
| 2011 ICU | 60 | N/A | N/A | 87 | 85 | N/A | 90 | N/A | 68 | 93 | 78 |
| 2013 Non-ICU | 187 | N/A | N/A | 85 | 89 | N/A | 91 | N/A | 68 | 82 | 85 |
| 2012 Non-ICU | 137 | N/A | N/A | 86 | 88 | N/A | 96 | N/A | 77 | 85 | 90 |
| 2011 Non-ICU | 128 | N/A | N/A | 90 | 90 | N/A | 95 | N/A | 75 | 91 | 90 |
| erratia marcescens 2013 | 44 | N/A | 95 | 100 | 100 | 98 | 100 | 98 | 95 | 100 | 100 |
| 2012 | 24 | N/A | 96 | 100 | 100 | 96 | 92 | 100 | 96 | 100 | 100 |
| 2011 | 37 | N/A | 97 | 100 | 100 | 100 | 95 | 97 | 97 | 100 | 100 |
| ** Pseudomonas aeruginosa isola • *Escherichia coli | | nclude iso | lates from | cystic fibro | osis patient | s; "Zosyn | S ≤64; ^b Zo | syn S ≤16 | | em S ≰4; ^ª Me | ropenem |

+ Haemophilus influenzae Stenotrophomonas maltophilia National incidence of β -lactamase production is 37% (2010) Routine antimicrobial susceptibility testing is performed on sterile sites. TMP/SMX is the most active agent versus this organism. Contact ID or ID pharmacy for alternatives.

For more info about this example contact Catherine Liu at catherine.liu@ucsf.edu

CDPH does not endorse the specific content or recommendations included in these examples. They are for illustrative purposes only.

Example 5.2 University of California San Francisco Medical Center Adult and Pediatric Antibiograms 2013 (2 of 8 continued)

| | CTX | ERTA | CTAZ | CPIM | CIP | PIPTAZ | MER |
|-----------------|---------------------|---------------------|----------------|--------------|---------------------|----------------|--------------|
| All Patients | 60% (83%)* | 70% (97%)* | 85% | 93% | 80% | 88% | 94% |
| ICU | 52% (80%)* | 63% (97%)* | 82% | 92% | 86% | 84% | 89% |
| Floor | 63% (84%)* | 73% (98%)* | 85% | 94% | 79% | 90% | 96% |
| | CTX + CIP | MER+ TOB | PIPTAZ+ TOB | CPIM+ TOB | MER+ CIP | PIPTAZ+ CIP | CPIM+CI P |
| All Patients | 60→87% | 94→99% | 88→97% | 93→97% | 94→97% | 88→94% | 93→95% |
| ICU | 21 → 89% | 89→99% | 84→95% | 92→97% | 89→95% | 84→93% | 92→95% |
| Floor | 32→85% | 63 → 99% | 90→98% | 94→98% | 96 → 97% | 90→95% | 96→98% |

*excluding Pseudomonas & Acinetobacter

Pseudomonas Combination Antibiogram Adults

| | MER+TOB | PIP+TOB | CPIM+TOB | MER+CIP | PIP+CIP | CPIM+CIP |
|-----------------|---------|---------------------|----------|---------|---------|----------|
| All Patients | 80→97% | 80→96% | 87 → 95% | 80→90% | 80→89% | 87 → 93% |
| ICU | 71→98% | 75 → 97% | 83 → 97% | 71→89% | 75→88% | 83 → 93% |
| Floor | 85→95% | 82→94% | 89→94% | 85→92% | 82→88% | 89 → 92% |

Example 5.2 University of California San Francisco Medical Center Adult and Pediatric Antibiograms 2013 (3 of 8 continued)

UCSF ADULT INPATIENT SUSCEPTIBILITY DATA 2013

NA-testing NOT APPLICABLE to organism. PIP-piperacillin, CZOL-cefazolin, CTRX-ceftriaxone, CTAZ-ceftazidime, CFPM-cefepime, GEN-gentamicin, TOB-tobramycin, T/S-trimethoprim/sulfamethoxazole, CIP-ciprofloxacin, MER-meropenem, P/T-piperacillin-tazobactam, PCN-penicillin, NAF-nafcillin, ERY-erythromycin, CLIN-clindamycin, DOX-doxycycline, VANC-vancomycin, AMP-ampicillin Total isolates include Floor Isolates and ICU Isolates from UCSF and Mt. ZIon Hospitals (Does not include Outpatient)

Gram-positive Isolates (% Strains Susceptible, tested from all sites) 2013 data represents top row

| Organism | Total Isolates | PCN | NAF | ERY | CLIN | CIP | DOX | T/S | VANC |
|--|-------------------|--------------|-----|-------------|------|-----|-----|-----|------|
| Staphylococcus aureus* 2013 | 596 | 0 | 58 | 33 | 65 | 55 | 92 | 93 | 99 |
| 2012 | 651 | 0 | 57 | 42 | □63 | 53 | 93 | 95 | 99 |
| 2011 | 483 | 5 | 61 | 44 | 70 | 60 | 95 | 94 | 100 |
| MRSA 2013 | 249 | N/A | N/A | 7 | 50 | 21 | 93 | 93 | 99 |
| MRSA 2012 | 280 | N/A | N/A | 10 | 45 | 17 | 88 | 94 | 98 |
| MRSA 2011 | 191 | N/A | N/A | 10 | 53 | 48 | 95 | 94 | 100 |
| MSSA 2013 | 347 | 0 | 100 | 51 | 76 | 80 | 91 | 93 | 100 |
| MSSA 2012 | 371 | 0 | 100 | 66 | 77 | 80 | 96 | 95 | 100 |
| MSSA 2011 | 293 | | 100 | 66 | 80 | 48 | 95 | 95 | 100 |
| Staphylococcus epidermidis 2013 | 155 | 0 | 43 | D 13 | 71 | 46 | 88 | 57 | 100 |
| 2012 | 212 | 0 | 35 | 33 | 69 | 47 | 82 | 48 | 100 |
| 2011 | 251 | 6 | 43 | 41 | 69 | 48 | 84 | 56 | 100 |
| Streptococcus pneumoniae [†] 2013 | 72 | See below | N/A | 64 | 68 | N/A | 59 | 55 | 100 |
| 2012 | 56 | See below | N/A | 55 | 74 | N/A | 73 | □38 | 100 |
| Pamassus 2011 | 23 | See below | N/A | 61 | 83 | N/A | 74 | 70 | 100 |
| Mount Zion 2011 | 3 | See below | N/A | 33 | 33 | N/A | 33 | 67 | 100 |

Rates prior to 2012 do not include Mt. Zion strains
 * "Staphylococcus aureus
 Outpatient Nafcillin susceptibility is 76% (Previously 76, 72, 70, 69%). Nafcillin resistance predicts
 cephalosporin resistance.

| Adult Inpatient | Vancomycin MIC | Distribution for S. | aureus |
|-----------------|----------------|---------------------|--------|

| Addit inpatient | variconfycht who bistribation for 6. a | 10/005 |
|--------------------------------|--|-----------------|
| Vancomycin MIC (All S. aureus) | 2012 | 2013 |
| 0.5 | 1.86% (12/645) | 2.7% (16/588) |
| 1 | 92% (594/645) | 91.2% (536/588) |
| 2 | 5.74% (37/645) | 5.6% (33/588) |
| 4 | 0.31% (2/645) | 0.34% (2/588) |
| Vancomycin MIC (MRSA only) | | |
| 0.5 | 0.72% (2/276) | 1.2% (3/248) |
| 1 | 92% (255/276) | 88.7% (220/248) |
| 2 | 6.2% (17/276) | 9.3% (23/248) |
| 4 | 0.72% (2/276) | 0.8% (2/249) |

Adult Outpatient Susceptibilities for S. aureus

| | 7 | . outputiont . | | | | | |
|-----------------------|----------------|----------------|------|-----|-----|-----|------|
| Outpatient 2013 | Total Isolates | ERY | CLIN | CIP | DOX | T/S | VANC |
| Staphylococcus aureus | 669 | 52 | 72 | 71 | 92 | 96 | 99 |
| MRSA | (24%) 163 | 7 | 51 | 23 | 89 | 94 | 98.1 |
| MSSA | 506 | 61 | 79 | 86 | 92 | 96 | 99.6 |
| Outpatient 2012 | Total Isolates | ERY | CLIN | CIP | DOX | T/S | |
| Staphylococcus aureus | 630 | 47 | 68 | 64 | 91 | 94 | |
| MRSA | 178 | 10 | 57 | 19 | 90 | 93 | |
| MSSA | 452 | 62 | 73 | 82 | 91 | 95 | |

Enterococcus species

Enterococcus faecalis species are 100% AMP susceptible. Enterococcus faecium can be multi-drug resistant. Check vancomycin susceptibilities for all isolates from sterile sites. The addition of gentamicin (1 mg/kg Q8h) is required for bactericidal activity in serious systemic enterococcal infections. Of 100 (99, 88, 89, 88) enterococcal bacteremias in 2013 (2012, 2011, 2010), 57 (62, 66, 51) were due to

For more info about this example contact Catherine Liu at catherine.liu@ucsf.edu

CDPH does not endorse the specific content or recommendations included in these examples. They are for illustrative purposes only.

Example 5.2 University of California San Francisco Medical Center Adult and Pediatric Antibiograms 2013 (4 of 8 continued)

| ¹ Streptococcus pneumoniae | and 46/72 ceftriaxon susceptib NOTE: Fo added to a | I isolates, 65% (47/72 iso 2 (64%) erythromycin sus the susceptible. Among bi le, and 100% vancomyci or the treatment of mening the regimen since failures eration cephalosporins. | ceptible. Am bod and CSF n susceptible tis, pending a | nong PCN-no isolates, 71 e. susceptibilitie | nsusceptible % were sus | e isolates, ceptible to | 13/17 (76 PCN, 93 ⁴ ould be | 3%) were % ceftriax |
|---|--|--|--|--|----------------------------|----------------------------|--|-----------------------------------|
| | | | | | | | | |
| | | Inpatient Adult Enterod | occal Blood | d Isolates | | | | |
| | | Inpatient Adult Enteroo Total Isolates | occal Blood Amp | d Isolates Dapto* | Linez | Q/D | Tetr | Vanc |
| Enterococcus faecalis | 2013 | | | | Linez | Q/D 0% | Tetr 10% | Vanc 100% |
| Enterococcus faecalis | | Total Isolates | Amp | Dapto* | | | | |
| Enterococcus faecalis | 2013 | Total Isolates 38 | Amp 100% | Dapto* 100% | 100% | 0% | 10% | 100% |
| | 2013 2012 | Total Isolates 38 42 | Amp 100% 100% | Dapto* 100% 100% | 100% 100 | 0% 4% | 10% 20% | 100% 100% |
| | 2013 2012 2011 | Total Isolates 38 42 26 | Amp 100% 100% 100% | Dapto* 100% 100% 100% | 100% 100 100 | 0% 4% 8% | 10% 20% 23% | 100% 100% 96% |
| Enterococcus faecalis Enterococcus faecium | 2013 2012 2011 2013 | Total Isolates 38 42 26 57 | Amp 100% 100% 100% 13% | Dapto* 100% 100% 90%* | 100% 100 100 91% | 0% 4% 8% 100% | 10% 20% 23% 30% | 100% 100% 96% 19% |

Dapto MIC distribution: All isolates: <=0.5: 14% 1: 25% 2: 37% 4: 19% >4: 6% VRE: <=0.5: 4% 1: 14% 2: 48% 4: 24% >4: 10%

CDPH ASP Toolkit 2015

Example 5.2 University of California San Francisco Medical Center Adult and Pediatric Antibiograms 2013 (5 of 8 continued)

| Total isolates include Flo | | | | | | DOX-doxy | | | | | IGHIII | |
|----------------------------|--------|------------------|------------|------------|------------|----------|-----|-------------|-------------|-----|------------|-----|
| Gram-negative is | | | | | | | | | | | sents top | row |
| Organism | | Total isolate | CZOL | CTRX | CTAZ | CFPM | GEN | тов | T/S | CIP | P/T | MER |
| Acinetobacter baumannii | 2013 | s 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2012 | 3 | N/A | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 2011 | 4 | N/A | 50 | 100 | 75 | 100 | 100 | 100 | 100 | 75 | 100 |
| Citrobacter freundii | 2013 | з | 0 | ↓33 | ↓33 | 100 | 100 | □100 | □100 | 100 | ↓33 | 100 |
| | 2012 | 5 | N/A | 80 | 80 | 100 | 80 | 60 | 60 | 100 | 100 | 100 |
| | 2011 | 5 | 0 | 40 | 40 | 100 | 80 | 80 | 80 | 80 | 60 | 100 |
| Enterobacter aerogenes | 2013 | 8 | 0 | 63 | 63 | 100 | 100 | 100 | 88 | 100 | 63 | 100 |
| | 2012 | 4 | N/A | 50 | 50 | 100 | 100 | 100 | 100 | 100 | 50 | 100 |
| | 2011 | 5 | 0 | 60 | 40 | 80 | 100 | 100 | 80 | 80 | 60 | 100 |
| Enterobacter cloacae | 2013 | 17 | 0 | 53 | 53 | 100 | 94 | 94 | 88 | 100 | □82 | 100 |
| | 2012 | 22 | N/A | 32 | 41 | 100 | 86 | 82 | 73 | 95 | 64 | 95 |
| | 2011 | 31 | 0 | 56 | 55 | 100 | 91 | 91 | 78 | 91 | 72 | 100 |
| Escherichia coli* | 2013 | 103 | 70 | 93 | 96 | 97 | 94 | 94 | 65 | 90 | 97 | 100 |
| | 2012 | 83 | 70 | 95 | 98 | 98 | 94 | 93 | 71 | 93 | 95 | 100 |
| | 2011 | 68 | 69 | 90 | 96 | 97 | 93 | 91 | 71 | 85 | 99 | 100 |
| Klebsiella oxytoca | 2013 | 10 | 30 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 80 | 100 |
| | 2012 | 17 | 024 | 88 | 100 | 100 | 100 | 100 | 82 | 94 | 88 | 100 |
| | 2011 | 15 | 67 | 100 | 100 | 100 | 100 | 93 | 100 | 100 | 100 | 100 |
| Klebsiella pneumoniae | 2013 | 35 | 60 | 91 | 91 | 97 | 97 | 91 | □91 | 94 | 94 | 100 |
| | 2012 | 30 | 73 | 90 | 90 | 100 | 87 | 83 | □67 | 90 | 100 | 100 |
| | 2011 | 19 | 84 | 95 | 100 | 100 | 89 | 95 | 97 | 95 | 95 | 100 |
| Proteus mirabilis | 2013 | 9 | 44 | 100 | 100 | 100 | 100 | 100 | ↓89 | 100 | 100 | 100 |
| | 2012 | 4 | ↓ 0 | 100 | 100 | 100 | 100 | 100 | □100 | 100 | 100 | 100 |
| | 2011 | 6 | 50 | 100 | 100 | 100 | 100 | 100 | 50 | 100 | 100 | 100 |
| Pseudomonas aeruginosa | a** | 40 | N/A | N/A | 88 | 96 | 100 | 100 | N/A | 92 | 88 | 88 |
| | 2012 | 20 | N/A | N/A | 95 | 95 | 100 | 100 | N/A | 100 | 100 | 95 |
| Peds ICU | J 2013 | 19 | N/A | N/A | 79 | 92 | 100 | 100 | N/A | 92 | 82 | 84 |
| Peds ICU | J 2012 | 9 | N/A | N/A | 100 | 100 | 100 | 100 | N/A | 100 | 89 | 100 |
| Non-ICl | J 2013 | 24 | N/A | N/A | 96 | 100 | 0 | 100 | N/A | 93 | 93 | 93 |
| Non-ICl | J 2012 | 14 | N/A | N/A | 93 | 93 | 100 | 100 | N/A | 93 | 100 | 93 |
| Serratia marcescens | 2013 | 11 | N/A | ↓73 | 100 | 100 | 100 | 100 | 100 | 100 | 91 | 100 |
| | 2012 | 13 | N/A | 100 | 100 | 100 | 100 | 100 | 92 | 100 | 100 | 100 |
| | 2011 | 8 | N/A | 88 | 100 | 100 | 100 | 100 | 100 | 100 | 88 | 100 |

** Pseudomonas aeruginosa isolates do not include isolates from cystic fibrosis patients; "Zosyn S ≤64; "Zosyn S ≤16; "Meropenem S ≤4; "Meropenem S ≤2

For more info about this example contact Catherine Liu at catherine.liu@ucsf.edu

CDPH does not endorse the specific content or recommendations included in these examples. They are for illustrative purposes only.

CDPH ASP Toolkit 2015

Example 5.2 University of California San Francisco Medical Center Adult and Pediatric Antibiograms 2013 (6 of 8 continued)

| All Patients | Mero+ To | | iptazo+Tobra | Cefepime+Tobra | Mero+Cipro | Piptazo+Cipro | Cefepime+Cipro |
|---------------|----------------|------------------------|---|---|--|---|------------------------|
| All Pallents | 88→100 | 1% | 88→100% | 96 → 100% | 88→94% | 88 →94% | 96 → 98% |
| ll Gram-n | egatives A | ntibioar | am PEDS | | | | |
| | CTX | ERTA | CTAZ | CPIM | CIP | PIPTAZ | MER |
| JI . | 51% | 67% | 81% | 97% | 93% | 85% | 96% |
| atients | (75%)* CTX+ | (98%)* Mero+ | Piptazo+ | Cefepime+ | Mero+ | Piptazo+ | Cefepime+ |
| di l | CIP | Tobra | Ťobra | Tobra | Cipro | Ċipro | Cipro 96→98% |
| atients | 51→95% | 96→100% | % 85→99% | 97→99% | 94→98% | 85→98% | 90796% |
| Escherichia c | coli* | Ou TM 979 onl | tpatient cefazolin/ IP/SMX susceptibi % (93, 95, 91%). I v be used for unc | Cephalexin susceptibil ility is 74% (69, 69, 70 Nitrofurantoin suscepti omplicated UTIs in pat | ity is 79% in 2013 (%). Outpatient cipr bility is 100% (100 tients with CrCl >60 | (78, 85, 92%). Outpa ofloxacin susceptibil , 98, 99%) and shou) mL/min. | atient ity is Id |
| Haemophilus | influenzae | | | f β-lactamase producti | | | |
| | nonas maltophi | Ro | | I susceptibility testing i | | arile sites and overio | |
| | | | | P/SMX is the most act | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Example 5.2 University of California San Francisco Medical Center Adult and Pediatric Antibiograms 2013 (7 of 8 continued)

UCSF PEDIATRIC SUSCEPTIBILITY DATA 2013 N/A-testing NOT APPLICABLE to organism. PIP-piperacillin, CZOL-cefazolin, CTRX-ceftriaxone, CTAZ-ceftazidime, CFPM-cefepime, GEN-gentamicin, TOB-tobramycin, T/S-trimethoprim/sulfamethoxazole, CIP-ciprofloxacin, MER-meropenem, P/T-piperacillin-tazobactam, PCN-penicillin, NAF-nafcillin, ERY-erythromycin, CLIN-clindamycin, DOX-doxycycline, VANC-vancomycin, AMP-ampicillin Total isolates include Floor Isolates and ICU Isolates from UCSF and Mt. Zion Hospitals (Does not include Outpatient)

Gram-positive isolates (% strains susceptible, tested from all sites) 2013 data represents top row

| Organism | | Total Isolates | PCN | NAF | ERY | CLIN | CIP | DOX | T/S | VANC |
|---------------------------------------|--------|-------------------|--------------|-----|-----|------|-------------|-----|-----|------|
| Staphylococcus aureus | 2013 | 93 | 0 | 63 | 50 | 85 | 74 | 94 | 99 | 100 |
| | 2012 | 127 | 0 | 69 | 54 | 71 | 75 | 91 | 92 | 99 |
| | 121 | 5 | 79 | 59 | 78 | 83 | 94 | 95 | 100 | |
| MRS | A 2013 | 34 | N/A | N/A | 23 | 82 | 41 | 100 | 97 | 100 |
| MRS | A 2012 | 39 | N/A | N/A | 5 | 38 | □38 | 97 | 87 | 100 |
| MRS | A 2011 | 26 | N/A | N/A | 15 | 64 | 73 | 100 | 92 | 100 |
| MSS | A 2013 | 59 | N/A | 100 | 65 | 87 | 95 | 91 | 100 | 100 |
| MSS | A 2012 | 88 | 0 | 100 | 75 | 85 | 0 91 | 88 | 94 | 99 |
| MSS | A 2011 | 95 | | | 71 | 82 | 73 | 93 | 96 | 100 |
| Staphylococcus epidermidis | 2013 | 25 | 0 | 20 | ↓4 | 60 | 56 | 88 | 48 | 100 |
| | 2012 | 44 | 0 | 30 | 25 | 70 | 65 | 86 | 45 | 100 |
| | 2011 | 46 | 2 | 26 | 30 | 57 | 74 | 85 | 65 | 100 |
| Streptococcus pneumoniae [†] | 2013 | 25 | See below | N/A | 68 | 70 | N/A | 64 | 50 | 100 |
| | 2012 | 32 | See below | N/A | 75 | 60 | N/A | 76 | 29 | 100 |
| | 2011 | 6 | See below | N/A | 50 | 83 | N/A | 67 | 83 | 100 |

† Rates prior to 2012 do not include Mt. Zion strains

*Staphylococcus aureus

Outpatient Nafcillin susceptibility 79% (79, 74, 77, 76%) (Nafcillin resistance predicts cephalosporin resistance).

Pediatric Inpatient Vancomycin MIC Distribution for S. aureus

| Vancomycin MIC (All S. aureus) | 2012 | 2013 |
|--------------------------------|---------------|---------------|
| 0.5 | 0% (0/126) | 1.1% (1/91) |
| 1 | 93% (117/126) | 94.5% (86/91) |
| 2 | 7% (9/126) | 4.4% (4/91) |
| Vancomycin MIC (MRSA only) | | |
| 0.5 | 0% (0/39) | 2.9% (1/34) |
| 1 | 85% (33/39) | 91.2% (31/34) |
| 2 | 15% (6/39) | 5.8% (2/34) |

Pediatric Outpatient Susceptibilities for S. aureus

| Outpatient 2013 | Total Isolates | ERY | CLIN | CIP | DOX | T/S | VANC |
|-----------------------|----------------|-----|------|-----|-----|-----|------|
| Staphylococcus aureus | 226 | 55 | 86 | 83 | 92 | 95 | 100 |
| MRSA | (21%) 47 | 18 | 74 | 50 | 91 | 87 | 100 |
| MSSA | 179 | 65 | 89 | 91 | 92 | 97 | 100 |
| Outpatient 2012 | Total Isolates | ERY | CLIN | CIP | DOX | T/S | |
| Staphylococcus aureus | 148 | 57 | 86 | 82 | 96 | 99 | |
| MRSA | 38 | 11 | 87 | 53 | 90 | 100 | |
| MSSA | 110 | 73 | 86 | 92 | 98 | 99 | |

Example 5.2 University of California San Francisco Medical Center Adult and Pediatric Antibiograms 2013 (8 of 8 continued)

| Enterococcus spp. | multi-dru The add systemic | ooccus faecalis species are ug resistant. Check vanco dition of gentamicin (1 mg/ c enterococcal infections. ancomycin-resistant. | a 100% AM mycin sus kg Q8h) is Of 13 (18, | AP susceptible ceptibilities for required for I 23, 23, 31) e | e. Enteroco or all isolate bactericidal enterococca | occus faed s from ste activity ir I bacteren | cium can erile sites. 1 serious nias in 20 | be 013, |
|--|---|--|--|--|---|---|---|-------------|
| [†]Streptococcus pneumoniae | suscepti 1/6 (16% There w NOTE: 1 should have be | all isolates. 64% (16/25 iso ible. and 68% ervithromvci %) were certriaxone susce were no isolates from blood For the treatment of mei be added to the regiment een reported with ALL the langtight Bodiatria Enter | n suscepti ptible. and f or CSF. ningitis, p n since fai ird genera | ble. Amona F 100% were v ending susc flures (due to ation cephal | ² CN-nonsu: vancomycir eptibilities b highly re: osporins. | sceptible i suscepti | solates, ble. | y |
| | | Inpatient Pediatric Enter | ococcai E | loou isolate | 0 | | | |
| | | Total Isolates | Amp | Dapto | Linez | Q/D | Tetr | Vanc |
| Enterococcus faecalis | 2013 | • | | | | Q/D 0 | Tetr 27 | Vanc 100 |
| Enterococcus faecalis | | Total Isolates | Amp | Dapto | Linez | | | |
| Enterococcus faecalis | 2013 | Total Isolates 10 | Amp 100 | Dapto 100 | Linez 100 | 0 | 27 | 100 |
| Enterococcus faecalis Enterococcus faecium | 2013 2012 | Total Isolates 10 15 | Amp 100 100 | Dapto 100 100 | Linez 100 100 | 0 | 27 0 | 100 100 |

Other Enterococcal species