

| Antibiogram Data<br>from 2024                                  | # of isolates | Pen VK (PO) | Ampicillin | Amp-sulb | Oxacillin | Pip-tazo | Cefazolin | Cefuroxime | Ceftriaxone | Ceftazidime | Cefepime | Ciprofloxacin | Levofloxacin | Moxifloxacin | Gentamicin | Tobramycin | TMP/SMX | Imipenem | Ertapenem | Azithromycin | Doxycycline | Clindamycin | Vancomycin (IV only) | Nitrofurantoin (urine only) |
|----------------------------------------------------------------|---------------|-------------|------------|----------|-----------|----------|-----------|------------|-------------|-------------|----------|---------------|--------------|--------------|------------|------------|---------|----------|-----------|--------------|-------------|-------------|----------------------|-----------------------------|
| Common Organisms<br>Percent Susceptible per<br>CLSI Guidelines |               |             |            |          |           |          |           |            |             |             |          |               |              |              |            |            |         |          |           |              |             |             |                      |                             |
| <i>S. pneumoniae</i>                                           | 169           | 70          | +          | +        | +         | +        | +         | +          | 98          | -           | +        | NP            | 99           | +            | Syn        | NP         | 84      | +        | +         | 63           | +           | 84          | 100                  | -                           |
| Viridans group <i>streptococcus</i>                            | 343           | +           | 93         | 93       | +/-       | +        | -         | +          | 98          | -           | +        | NP            | 97           | +            | Syn        | NP         | -       | +        | +         | -            | +/-         | 86          | 100                  | -                           |
| <i>Streptococcus</i> , Group B                                 | 992           | +           | 100        | 100      | +         | +        | +         | +          | 100         | -           | +        | NP            | 98           | +            | Syn        | NP         | +       | +        | +         | -            | +           | 41          | 100                  | -                           |
| <i>S. aureus</i> , MSSA                                        | 2373          | -           | -          | +        | 100       | +        | 100       | +          | +/-         | -           | +        | NP            | 93           | 94           | Syn        | NP         | 99      | +        | +         | +/-          | 98          | 80          | 100                  | 100                         |
| <i>S. aureus</i> , MRSA                                        | 1063          | -           | -          | -        | 0         | -        | -         | -          | -           | -           | -        | NP            | 48           | 51           | Syn        | NP         | 94      | -        | -         | -            | 90          | 70          | 100                  | 99                          |
| <i>Staphylococcus lugdunensis</i>                              | 226           | -           | -          | +        | 89        | +        | 91        | +          | +/-         | -           | +        | NP            | 99           | 100          | Syn        | NP         | 99      | +        | +         | +/-          | 99          | 91          | 100                  | 100                         |
| <i>Staphylococcus saprophyticus</i>                            | 466           | -           | -          | +/-      | 41        | +/-      | 41        | +/-        | +/-         | -           | +/-      | 99            | 99           | 100          | +          | NP         | 96      | +        | +         | +/-          | 99          | 51          | 100                  | 100                         |
| <i>Staphylococcus</i> , Coag Neg                               | 1229          | -           | -          | +/-      | 48        | +/-      | 48        | +/-        | +/-         | -           | +/-      | NP            | NP           | 79           | +          | NP         | 67      | +/-      | +/-       | +/-          | 86          | 66          | 100                  | 100                         |
| <i>Enterococcus faecalis</i>                                   | 2438          | 100         | 100        | 100      | -         | +        | -         | -          | -           | -           | -        | NP            | NP           | +/-          | Syn        | NP         | -       | +        | -         | -            | 31          | -           | 99                   | 90                          |
| <i>Enterococcus faecium</i>                                    | 277           | 29          | 26         | 26       | -         | -        | -         | -          | -           | -           | -        | NP            | NP           | -            | Syn        | NP         | -       | -        | -         | -            | 31          | -           | 54                   | 26                          |
| <i>Haemophilus influenzae</i>                                  | 194           | -           | 67         | 95       | -         | +        | -         | +          | 100         | +           | +        | +             | +            | +            | +          | +          | 61      | +        | +         | 98           | 100         | -           | -                    | -                           |
| <i>Escherichia coli</i>                                        | 14677         | -           | 63         | 73       | -         | 97       | 93        | +          | 95          | 95          | 96       | 88            | 88           | +            | 93         | 95         | 83      | 100      | 100       | -            | +           | -           | -                    | 97                          |
| <i>Proteus mirabilis</i>                                       | 1372          | -           | 77         | 88       | -         | 100      | 92        | +          | 96          | 96          | 97       | 75            | 79           | +            | 93         | 94         | 81      | 94       | 100       | -            | -           | -           | -                    | 0                           |
| <i>Klebsiella oxytoca</i>                                      | 647           | -           | -          | 72       | -         | 94       | 76        | +          | 95          | 96          | 98       | 99            | 99           | +            | 99         | 99         | 97      | 100      | 100       | -            | +/-         | -           | -                    | 91                          |
| <i>Klebsiella pneumoniae</i>                                   | 2331          | -           | -          | 87       | -         | 96       | 94        | +          | 95          | 95          | 96       | 97            | 97           | +            | 98         | 98         | 91      | 100      | 100       | -            | +/-         | -           | -                    | 41                          |
| <i>Enterobacter cloacae</i> complex                            | 709           | -           | -          | -        | -         | 87       | -         | -          | 70          | 83          | 95       | 98            | 98           | +            | 99         | 98         | 91      | 97       | 91        | -            | -           | -           | -                    | 32                          |
| <i>Klebsiella aerogenes</i>                                    | 302           | -           | -          | -        | -         | 84       | -         | -          | 79          | 83          | 97       | 98            | 98           | +            | 99         | 100        | 87      | 91       | 95        | -            | -           | -           | -                    | 27                          |
| <i>Citrobacter freundii</i>                                    | 249           | -           | -          | -        | -         | 85       | -         | -          | 81          | 86          | 100      | 96            | 95           | +            | 94         | 98         | 88      | 99       | 99        | -            | -           | -           | -                    | 95                          |
| <i>Serratia marcescens</i>                                     | 327           | -           | -          | -        | -         | 76       | -         | -          | 91          | 93          | 100      | 99            | 98           | +            | 100        | 95         | 99      | +        | 98        | -            | -           | -           | -                    | 0                           |
| <i>Morganella morganii</i>                                     | 256           | -           | -          | 20       | -         | 98       | -         | -          | 90          | +           | 84       | 84            | +            | 91           | 97         | 84         | 82      | 99       | -         | -            | -           | -           | -                    | -                           |
| <i>Pseudomonas aeruginosa</i>                                  | 1525          | -           | -          | -        | -         | 94       | -         | -          | -           | 93          | 95       | 88            | 83           | +            | 0          | 98         | -       | 92       | 0         | -            | -           | -           | -                    | -                           |
| <i>Stenotrophomonas maltophilia</i>                            | 85            | -           | -          | -        | -         | -        | -         | -          | -           | -           | -        | -             | 86           | -            | -          | -          | 93      | -        | -         | -            | -           | -           | -                    | -                           |

**Interpretive  
Criteria:**

(+) >60% susceptible

(+/-) 30–60%  
susceptible

(-) <30% susceptible

(NP) Not preferred for  
one of the following  
reasons:

1. Risk of clinical failure given *in vivo*,
2. Poor *in vitro* susceptibility,
3. Other agents preferred due to risk of adverse events with FQ's

(Syn) Synergy dosing,  
only in endocarditis

*S. aureus*,  
% MRSA = 30.9%

ESBL rate 3-5%

KPC rate << 1%

# ANTIMICROBIAL GUIDELINES FOR NORTHERN MICHIGAN 2025 – 2026

*In vitro* antibiotic susceptibility data  
submitted by the microbiology labs of the  
following hospitals:

**McLaren Northern Michigan,  
Munson Medical Center and  
MHC affiliates**

Data includes inpatient and outpatient  
specimens processed through these  
microbiology labs.

*In vitro* susceptibility to a drug does not  
imply a clinically successful outcome.

Guidelines are provided as suggestions only,  
and are based on local antimicrobial  
susceptibility patterns in northern Michigan,  
recommendations of hospital P&T Committees,  
guidelines promoted by national organizations  
such as CDC, IDSA, and the expert opinions of:

Jonathan Bott, MD      Karen DenBesten, MD  
Chris Ledtke, MD      Ryan Miller, DO  
Dennis Sula, MD

Munson Infectious Disease (231) 935-5090  
Nicholas Torney, PharmD, BCIDP (231) 935-7469

McLaren Northern MI Hospital (800) 248-6777  
Adam Utley, PharmD, BCPS (231) 487-7264

| Anaerobic bacteria tested<br>PERCENT SUSCEPTIBLE<br>at selected US hospitals<br>according to CLSI Guidelines<br>Jan 2013 – Dec 2016 | Pip-tazo | Amp-sulbactam | Penicillin G | Cefoxitin | Ertapenem | Imipenem | Meropenem | Clindamycin | Metronidazole |
|-------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|--------------|-----------|-----------|----------|-----------|-------------|---------------|
| <i>Bacteroides fragilis</i>                                                                                                         | 96       | 84            | 0            | 100       | 82        | 97       | 93        | 26          | 100           |
| <i>B. thetaiotaomicron</i>                                                                                                          | 87       | 82            | 0            | 13        | -         | 100      | 99        | 28          | 100           |
| <i>B. distasonis</i>                                                                                                                | 95       | 59            | 0            | 25        | -         | 100      | 97        | 43          | 100           |
| <i>B. ovatus</i>                                                                                                                    | 94       | 80            | 0            | 20        | 84        | 100      | 95        | 46          | 100           |
| <i>B. vulgatus</i>                                                                                                                  | 92       | 45            | 0            | 73        | -         | 97       | 96        | 53          | 100           |
| <i>Prevotella spp.</i>                                                                                                              | 100      | 97            | 100          | 97        | -         | 100      | 98        | 69          | 99            |
| <i>Fusobacterium spp.</i>                                                                                                           | 96       | 100           | -            | 100       | -         | 95       | 100       | 77          | 95            |
| Anaerobic Gram positive cocci                                                                                                       | 99       | -             | 100          | 94        | -         | 99       | 100       | 97          | 100           |
| <i>Cutibacterium acnes (P. acnes)</i>                                                                                               | 100      | +             | +            | 100       | -         | 94       | -         | 53          | 0             |
| <i>Clostridium perfringens</i>                                                                                                      | 100      | 100           | 90           | 99        | -         | 100      | 100       | 83          | 100           |
| Other <i>Clostridium</i> spp.                                                                                                       | 94       | -             | 69           | -         | -         | 99       | 100       | 67          | 100           |

(-) symbol indicates that data were not available  
(+) symbol indicates limited data but likely *in vitro* susceptibility

| Hospital Purchasing Costs of Antimicrobials<br>(as of April 2024) |          |            |         |            |
|-------------------------------------------------------------------|----------|------------|---------|------------|
| Drug / Dose / Frequency (normal kidney function)                  | Per Dose |            | Per Day |            |
|                                                                   | IV       | PO         | IV      | PO         |
| Amp/Sulb 3gm IV q6hr, Amox/clav 875mg PO BID                      | \$       | \$         | \$\$\$  | \$         |
| Cefazolin 2gm IV q8hr, Cephalexin 500mg PO QID                    | \$       | \$         | \$      | \$         |
| Cefepime 2 gm IV q8hr                                             | \$\$     | -          | \$\$\$  | -          |
| Cefuroxime 500 mg PO BID                                          | -        | \$         | -       | \$\$       |
| Ciprofloxacin 400 mg IV q12hr, 500 mg PO BID                      | \$       | \$         | \$      | \$         |
| Clindamycin 900 mg IV q8hr, 300 mg PO QID                         | \$\$     | \$         | \$\$\$  | \$         |
| Daptomycin 500 mg IV q24hr                                        | \$\$\$   | -          | \$\$\$  | -          |
| Doxycycline 100 mg IV/PO q12hr                                    | \$\$\$   | \$         | \$\$\$  | \$         |
| Ertapenem 1 gm IV q24hr                                           | \$\$\$   | -          | \$\$\$  | -          |
| Fidaxomicin 200 mg BID                                            | -        | \$\$\$\$\$ | -       | \$\$\$\$\$ |
| Fosfomycin 3 gm PO x 1                                            | -        | \$\$\$\$   | -       | \$\$\$\$   |
| Levofloxacin 750 mg IV/PO q24hr                                   | \$       | \$         | \$      | \$         |
| Linezolid 600 mg IV/PO q12hr                                      | \$       | \$         | \$      | \$         |
| Meropenem 1000 mg IV q8hr                                         | \$       | -          | \$\$\$  | -          |
| Nitrofurantoin 100 mg PO BID                                      | -        | \$         | -       | \$         |
| Piperacillin-tazobactam 4500mg q8hr                               | \$\$     | -          | \$\$\$  | -          |
| Vanco 1 gm IV q12hr, 125 mg PO QID (oral soln)                    | \$\$     | \$         | \$\$\$  | \$         |

\$ = < \$5    \$\$ = \$5-15    \$\$\$ = \$15-40    \$\$\$\$ = \$40-80    \$\$\$\$\$ = > \$80

Adult  
Guideline

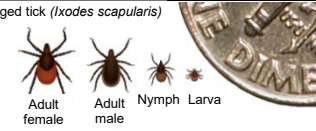


Pediatric  
Guideline



# EMPIRIC ADULT ANTIMICROBIAL GUIDELINES – NORTHERN MICHIGAN 2025-2026

| Infection                                                                                                                                                                                                                                                | Preferred                                                                                                                                                                                                                                                                                                              | Alternatives                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Odontogenic Infection</b> <ul style="list-style-type: none"> <li>Abx indicated if fever and regional lymphadenopathy are present</li> </ul>                                                                                                           | <ul style="list-style-type: none"> <li>Amp/sulbactam 3gm q6hr</li> <li>Amox/clav 875/125mg BID x 7-10d</li> </ul>                                                                                                                                                                                                      | Cefuroxime 500mg BID (or Levofloxacin 500 mg QD) + metronidazole 500 mg BID x 7-10d<br>*Clindamycin alone is not reliable                                                                   |
| <b>Dental procedure prophylaxis</b> <ul style="list-style-type: none"> <li>Infective endocarditis prevention</li> </ul>                                                                                                                                  | Visit <a href="https://ada.org">ada.org</a> for full list of indications and recommended agents. Prophylaxis is only for select patients undergoing manipulation of gingival or mucosal tissue. For patients with prosthetic joints, prophylaxis is not indicated to prevent joint infection.                          |                                                                                                                                                                                             |
| <b>Streptococcal Pharyngitis</b> <ul style="list-style-type: none"> <li>Based on strep screen or culture</li> </ul>                                                                                                                                      | <ul style="list-style-type: none"> <li>Penicillin VK 500mg BID x 10 d, or</li> <li>Amox 500mg BID or 1gm QD x 10 d</li> </ul>                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>Cephalexin 500mg BID x 10 d, or</li> <li>Azithromycin (Zpak)</li> </ul>                                                                              |
| <b>Acute Bacterial Sinusitis</b> <ul style="list-style-type: none"> <li>Symptoms typically &gt; 10 days</li> </ul>                                                                                                                                       | <ul style="list-style-type: none"> <li>Abx not usually required</li> <li>Amox/clav 875/125 mg BID x 5 d</li> </ul>                                                                                                                                                                                                     | Doxycycline 100 mg BID x 5 d                                                                                                                                                                |
| <b>Chronic Sinusitis</b>                                                                                                                                                                                                                                 | Value of antibiotics uncertain. Consider ENT/Allergy consult                                                                                                                                                                                                                                                           |                                                                                                                                                                                             |
| <b>Acute Otitis Media</b> <ul style="list-style-type: none"> <li>Abx generally recommended for adults, but not always required for pediatrics – see peds guideline</li> </ul>                                                                            | Amox/clav 875/125 mg BID x 5-10 d*<br>*5-7 d for mild-mod, 10 d for severe                                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Cefdinir 300 mg BID x 5-10 d</li> <li>Cefuroxime 500 mg BID x 5-10 d</li> <li>Amoxicillin 1 gm TID x 5-10 d</li> </ul>                               |
| <b>Acute Bronchitis</b> <ul style="list-style-type: none"> <li>Usually viral</li> </ul>                                                                                                                                                                  | <b>No antibiotics</b> - Consider testing for Pertussis, <i>Chlamydia pneumoniae</i> , <i>Mycoplasma</i> , and/or common circulating viruses such as RSV or COVID-19                                                                                                                                                    |                                                                                                                                                                                             |
| <b>Acute Exacerbation COPD</b><br><br>Consider antibiotics when ≥ 2 of 3 symptoms are present:<br>1. Dyspnea,<br>2. Sputum volume/viscosity,<br>3. Sputum purulence                                                                                      | Outpatient:<br><ul style="list-style-type: none"> <li>Azithromycin 500mg daily x 3 d or</li> <li>Cefuroxime 500 mg BID x 5 d</li> </ul> Inpatient:<br><ul style="list-style-type: none"> <li>Ceftriaxone 1 gm daily (empiric), de-escalate based on sputum culture &amp; clinical response (5-day duration)</li> </ul> | <ul style="list-style-type: none"> <li>Amox/clav 875/125 mg BID x 5 d</li> <li>Levofloxacin 750 mg x 3-5 d</li> </ul> Consider stopping antibiotics at 48-72 hrs if rapid clinical response |
| <b>Community-Acquired Pneumonia (CAP)</b><br><br><u>Duration:</u> 5 days                                                                                                                                                                                 | Outpatient:<br><ul style="list-style-type: none"> <li>Amoxicillin 1 gm TID x 5 d, or</li> <li>Cefuroxime 500 mg BID x 5 d, + Azithromycin or Doxycycline x 5 d</li> </ul> Inpatient:<br><ul style="list-style-type: none"> <li>Ceftriaxone 1 gm daily x 5 d + Azithromycin 500mg daily x 3 d</li> </ul>                | Levofloxacin 750mg daily x 5 d                                                                                                                                                              |
| <b>Hospital-Acquired Pneumonia (HAP)</b> <ul style="list-style-type: none"> <li>Antibiotics should target MSSA &amp; <i>Pseudomonas</i></li> <li>MRSA pneumonia is uncommon</li> <li>No need for MRSA activity if MRSA nasal swab is negative</li> </ul> | Cefepime 2 gm Q8hr x 5-7 d<br>+ vancomycin or linezolid x 5-7 d if MRSA risk factors<br><br>Note: MRSA swab positivity is unlikely to predict MRSA PNA given low PPV (<30%)                                                                                                                                            | Pip-tazo 4.5gm Q8hr x 5-7d + vancomycin or linezolid x 5-7d if MRSA risk factors<br><br>Procalcitonin WNL may assist in stopping antibiotics early before planned end date in all pneumonia |
| <b>Aspiration Pneumonia</b> <ul style="list-style-type: none"> <li>Anaerobic bacteria are uncommon in the absence of empyema or lung abscess</li> </ul>                                                                                                  | <b>Witnessed event does not require antibiotics.</b> Consider monitoring for 48hr prior to starting antibiotics.                                                                                                                                                                                                       |                                                                                                                                                                                             |
| <b>Diverticulitis</b> – uncomplicated                                                                                                                                                                                                                    | <b>No antibiotics</b> in the absence of sepsis, perforation, obstruction, or abscess                                                                                                                                                                                                                                   |                                                                                                                                                                                             |
| <b>Peritonitis</b> , intra-abd abscess, pelvic abscess, complicated diverticulitis <ul style="list-style-type: none"> <li>If no/inadequate source control, duration depends on response.</li> </ul>                                                      | <ul style="list-style-type: none"> <li>Ceftriaxone 2 gm Q24hr + Metronidazole 500mg Q12hr</li> <li>Pip-tazo 4.5 gm Q8H 4hr INF</li> </ul> Duration: 5 days after adequate source control i.e. OR drainage.                                                                                                             | Levofloxacin 750 mg Q24hr + metronidazole 500mg Q12hr<br><br>Duration: 5 days after adequate source control i.e. OR drainage.                                                               |

| Infection                                                                                                                                                                                                                                                       | Preferred                                                                                                                                                                                                                                                                                                 | Alternatives                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Asymptomatic Bacteriuria (ASB)</b>                                                                                                                                                                                                                           | <b>No antibiotics</b> , unless pregnant or urologic procedure with mucosal bleeding. Encephalopathy in the absence of local or systemic signs/symptoms is not indicative of UTI, regardless of bacterial growth in urine culture.<br>***Urine culture not indicated in the absence of urinary symptoms*** |                                                                                                                                                                                                                                                                                               |
| <b>UTI, cystitis</b> – uncomplicated <ul style="list-style-type: none"><li>Infection limited to the bladder</li><li>Includes men and pregnant women</li></ul>                                                                                                   | <ul style="list-style-type: none"><li>Nitrofurantoin 100mg BID x 5 d or</li><li>Cephalexin 500mg BID x 7 d</li><li>TMP-SMX DS BID x 3 days, or</li><li>Ceftriaxone IV/IM or cefazolin</li></ul>                                                                                                           | <ul style="list-style-type: none"><li>Fosfomycin 3 gm x 1 dose, or</li><li>Gentamicin 5 mg/kg IVPB x 1, or</li><li>Cipro 500mg BID x 3d (last line, not in pregnancy)</li></ul>                                                                                                               |
| <b>UTI</b> – complicated <ul style="list-style-type: none"><li>Infection beyond the bladder.</li><li><u>Includes:</u> pyelonephritis, CAUTI, bacteremia, sepsis</li><li><u>Excludes:</u> prostatitis</li><li>Duration: 7 days if clinically improving</li></ul> | <ul style="list-style-type: none"><li>Ceftriaxone 2gm Q24hr, stepdown to:</li><li>TMP-SMX 1 DS BID x 7d</li><li>Cephalexin 1000 mg TID x 7d</li><li>Cipro 500 mg BID, or levofloxacin 750mg x 7d</li></ul>                                                                                                | History of MDRO in the last 6 months <ul style="list-style-type: none"><li>Pip-tazo 4.5 gm Q8hr</li><li>Cefepime 2gm Q8hr</li></ul> Consider ID consult for <i>Pseudomonas</i> bacteremia, Gram positive bacteremia, immunocompromised, or circumstances with abscess or ongoing obstruction. |
| <b><i>Clostridioides difficile</i> colitis</b> <ul style="list-style-type: none"><li>Initial episode</li></ul>                                                                                                                                                  | <ul style="list-style-type: none"><li>Fidaxomicin 200 mg PO BID x 10 d, OR</li><li>Vancomycin 125 mg PO QID x 10 d</li></ul>                                                                                                                                                                              |                                                                                                                                                                                                                                                                                               |
| <b><i>Clostridioides difficile</i> colitis</b> <ul style="list-style-type: none"><li>Recurrence</li></ul>                                                                                                                                                       | <ul style="list-style-type: none"><li><u>1<sup>st</sup> recurrence:</u> Fidaxomicin 200 mg BID x 10 d, Alt: Vancomycin pulse/taper</li><li><u>2<sup>nd</sup> or subsequent recurrence:</u> ID and/or GI consult</li></ul>                                                                                 |                                                                                                                                                                                                                                                                                               |
| <b><i>Clostridioides difficile</i> colitis</b> <ul style="list-style-type: none"><li>Fulminant (hypotension or shock, ileus, megacolon)</li></ul>                                                                                                               | Vancomycin 500mg PO QID + Metronidazole 500 mg IVPB Q8H until gut is functioning                                                                                                                                                                                                                          | ID and/or GI Consult                                                                                                                                                                                                                                                                          |
| <b>Purulent Cutaneous Abscess</b> (mild-moderate), I&D, culture                                                                                                                                                                                                 | <ul style="list-style-type: none"><li>TMP-SMX DS BID x 7 d or</li><li>Doxycycline 100mg PO BID x 7 d</li></ul>                                                                                                                                                                                            | Linezolid 600 mg PO BID x 7 d                                                                                                                                                                                                                                                                 |
| <b>Cellulitis</b> – Non-purulent (mild – moderate) <ul style="list-style-type: none"><li>Bilateral erythema more likely stasis dermatitis than cellulitis</li></ul>                                                                                             | <ul style="list-style-type: none"><li>Pen VK 500 mg QID x 5-7 d or</li><li>Cephalexin 1gm TID x 5-7 d</li></ul>                                                                                                                                                                                           | Doxycycline 100mg BID x 5-7 d                                                                                                                                                                                                                                                                 |
| <b>Diabetic Foot Infection (OP)</b> <ul style="list-style-type: none"><li>Duration: 1 to 2 weeks depending on severity</li></ul>                                                                                                                                | Amox/clav 875/125 mg BID + (TMP-SMX DS BID or Doxycycline 100mg BID if MRSA suspected)                                                                                                                                                                                                                    | TMP-SMX DS BID +/- Metronidazole 500 mg BID                                                                                                                                                                                                                                                   |
| <b>Diabetic Foot Infection (IP)</b> <ul style="list-style-type: none"><li>If stable, hold Abx until deep cultures obtained</li></ul>                                                                                                                            | <ul style="list-style-type: none"><li>Ampicillin/sulbactam 3gm IV Q6hr</li><li>Add vancomycin* if MRSA suspected</li></ul> *Duration depends on clinical findings                                                                                                                                         | Ceftriaxone 2gm QD + Metronidazole 500mg BID (Add Vancomycin* if MRSA suspected)                                                                                                                                                                                                              |
| <b>Dog / Cat / Human Bite</b> <ul style="list-style-type: none"><li>High-risk bites may require antibiotic prophylaxis</li><li>Assess need for tetanus and Rabies PEP</li></ul>                                                                                 | <ul style="list-style-type: none"><li>Ampicillin/sulbactam 3gm IVPB Q6H x 7 d if soft tissue only</li><li>Amox/Clav 875/125 mg BID x 7 d</li></ul>                                                                                                                                                        | TMP-SMX DS BID or Doxycycline 100 mg BID + metronidazole 500 mg TID x 7d                                                                                                                                                                                                                      |
| <b>Tick Bite</b> <ul style="list-style-type: none"><li>Engorged <i>Ixodes scapularis</i></li></ul>                                                                                                                                                              | Doxycycline 200 mg x1 dose if given within 72 hours of removal                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                 | Blacklegged tick ( <i>Ixodes scapularis</i> )<br>                                                                                                                                                                    |                                                                                                                                                                                                                                                                                               |
| After 48 hours of antimicrobial therapy, reassess for appropriateness and opportunities for de-escalation                                                                                                                                                       |                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                               |