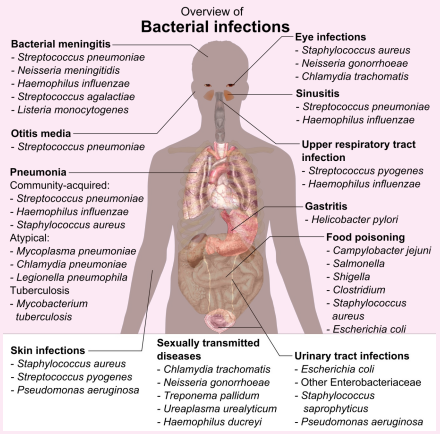
# Antibiotic Coverage Cheat Sheet

by truemanc via cheatography.com/67157/cs/16823/

## Bacterial Infections Based on Bugs




## When Prophylaxis is Appropriate

| |
|---|
| Prosthetic heart valve/valvular disease + dental/oral procedures |
| - infective endocarditis |
| - GU/GI procedures |
| Rheumatic fever (recurrence) |
| People in contact with meningococcal disease |
| Surgical |
| People at high risk/in contact with TB |
| People at high risk/in contact with HIV |

## Medically Important Microorganisms

| |
|---|
| G+/G- cocci |
| G+/G- bacilli |
| Anaerobes |
| Spirochetes |
| Mycoplasma |
| Chlamydia |

## General AE of ABX

| |
|---|
| Vomiting |
| Severe watery diarrhea |
| Abdominal cramps |
| Allergic rxn |

## Antibiotic Spectra

| | |
|---|---|
| **Narrow Spectrum** | Active against single or limited group of microorganisms |
| **Extended Spectrum** | Effective against G+ and some G- |
| **Broad Spectrum** | Effective against both G+ and G- |

## Static Vs. Cidal

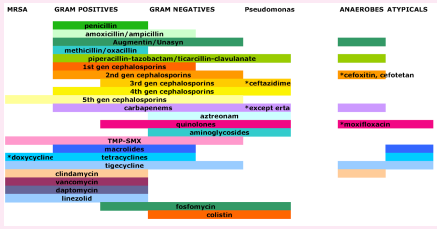
| **Bacteriostatics** | **Bactericidal** |
|---|---|
| *inhibit* growth without causing death | *Kill* bacteria |
| Sulfonamides *(DNA synthesis)*, Chloramphenicol *(transcription and translation)* | PCN (cell wall inhibitor) |
| Relies on INTACT immune system to clear nongrowing/viable bacteria | Can be given to patients with COMPROMISED immunity |

## Empiric Treatment - Match the Bug to Location

| | |
|---|---|
| G+ cocci | Skin |
| G- bacilli | Urethras |
| G+, G-, anaerobes | Large Intestine |

## Drug Distribution

## Antibiotic Activity




## Site of Action of ABX

| | |
|---|---|
| **Cell Wall Inhibitors** | Fosfomycin<br>Cycloserine<br>Vanco<br>PCN<br>CPN<br>Monobactams<br>Carbapenems<br>Ethambutol<br>Pyrrazinamide<br>Isoniazid |
| **DNA Synthesis & Integrity Inhibitors** | Sulfonamides<br>Trimethoprim<br>Quinolones |
| **Transcription & Translation Inhibitors** | Rifampin<br>AGs<br>Spectinomycin<br>Tetracyclines<br>Macrolides<br>Chloramphenicol<br>Streptogramins<br>Oxazolidinones |

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