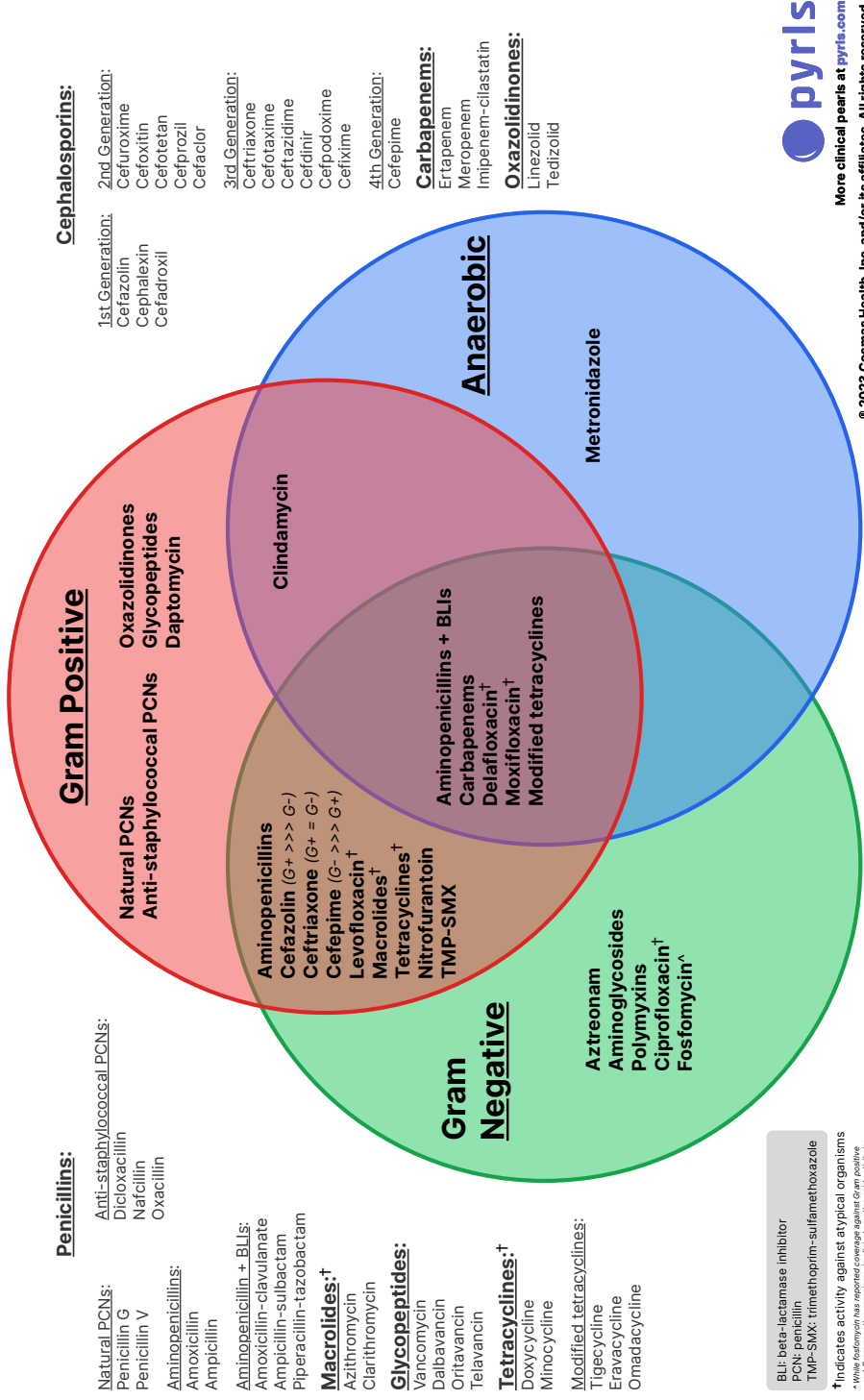


Antibiotic Spectrum of Activity: Venn Diagram

This visual representation provides a concise overview of the general coverage of various classes of antibiotics. Please note that while this diagram offers valuable insights, it is not exhaustive and should be used as a quick reference rather than a comprehensive resource.



Antibiotic Spectrum of Activity

P. aeruginosa

Amikacin (Amikin)*	Delafloxacin (Baxdela)
Aztreonam (Azactam)	Imipenem-cilastatin (Primaxin)
Cefepime (Maxipime)	Imipenem-cilastatin-relebactam (Recarbrio)
Cefiderocol (Fetroja)	Levofloxacin (Levaquin)
Ceftazidime (Fortaz)	Meropenem (Merrem)
Ceftazidime-avibactam (Avycaz)	Meropenem-vaboractam (Vabomere)
Ceftolozane-tazobactam (Zerbaxa)	Piperacillin-tazobactam (Zosyn)
Ciprofloxacin (Cipro)	Polymyxin B
Colistimethate (Coly-Mycin C)	Tobramycin (Tobi)

MRSA

Ceftaroline (Teflaro)	Minocycline (Minocin)
Clindamycin (Cleocin)	Omadacycline (Nuzyra)**
Daptomycin (Cubicin)**	Oritavancin (Kimyrsa, Orbactiv)
Dalbavancin (Dalvance)	Tedizolid (Sivextro)**
Delafloxacin (Baxdela)	Telavancin (Vibativ)
Doxycycline (Vibramycin)	Tigecycline (Tygacil)**
Eravacycline (Xerava)**	TMP-SMX (Bactrim, Bactrim DS)
Linezolid (Zyvox)**	Vancocyclin (Vancocin)

ESBL-E

Uncomplicated cystitis:
Nitrofurantoin, TMP-SMX, aminoglycosides[^]

Complicated UTIs or pyelonephritis:
TMP-SMX, ciprofloxacin or levofloxacin

Use carbapenem initially; if a patient is critically ill or if resistance/toxicities prevent the use of TMP-SMX, ciprofloxacin or levofloxacin

Infections outside the urinary tract:
Meropenem, imipenem-cilastatin or ertapenem

CRE: carbapenem-resistant Enterobacterales

ESBL-E: extended-spectrum β -lactamase-producing Enterobacterales

VRE: vancomycin-resistant enterococci

CRE

Uncomplicated cystitis:
Nitrofurantoin, TMP-SMX, ciprofloxacin, levofloxacin, aminoglycosides[^]

Complicated UTIs or pyelonephritis:
Infections outside the urinary tract:
Ceftazidime-avibactam (Avycaz)
Meropenem-vaboractam (Vabomere)
Imipenem-cilastatin-relebactam (Recarbrio)
Cefiderocol (Fetroja)

TMP-SMX, ciprofloxacin or levofloxacin may be used if susceptibility is noted

* = breakpoints are limited to urinary isolates

** = expected activity against VRE

[^] = for aminoglycosides single dose therapy is recommended



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