

	Gram positive					Gram negative		Anaerobe	Atypical	Comments
	<i>Strep</i>	MSSA	MRSA	VSE	VRE	Normal	<i>Pseudomonas</i>			
Penicillin	+++	∅	∅	+	+	+	∅	++(mouth)	+++ syphilis, <i>Leptospira</i>	GAS, syphilis
Amox/amp	++	∅	∅	+++	+++	++	∅	+	+Lyme	UTI, <i>Listeria</i> , <i>Enterococcus</i>
Augmentin/Unasyn	++	++	∅	+++	+++	+++	∅	+++	∅	Sinusitis, asp. PNA, bites, cholangitis
Nafcillin/oxacillin	+	++++	∅	∅	∅	∅	∅	∅	∅	Invasive MSSA
Zosyn	++	++	∅	+	+	++++	++++	++++	∅	<i>Pseudomonas</i> , GI, HCAP
1 Cefazolin/cephalexin	+++	++++	∅	∅	∅	+	∅	∅	∅	Skin, cellulitis
2 Cefotetan	++	++	∅	∅	∅	++	∅	++	∅	Abdominal/pelvic infections
3 Ceftriaxone	++	++	∅	∅	∅	+++	∅	∅	CNS or cardiac Lyme	q24h dosing convenient; UTIs; CAP w/ azithro
3 Cefpodoxime	++	++	∅	∅	∅	++	∅	∅	∅	PO, similar spectrum as ceftriaxone
3 Ceftazidime	+	+	∅	∅	∅	+++	+++	∅	∅	Febrile neutropenia
4 Cefipime	++	++	∅	∅	∅	++++	+++	∅	∅	Broad GNR coverage
5 Ceftaroline	++	+++	++++	∅	∅	+++	∅	∅	∅	MRSA
Meropenem	+++	+++	∅	+	∅	++++	+++	++++	+	Use for ESBL
Ertapenem	+++	+++	∅	∅	∅	++++	∅	++++	+	No <i>Pseudomonas</i> , but convenient dosing
Aztreonam	∅	∅	∅	∅	∅	+++	++	∅	∅	Ok in severe penicillin allergy
Gemtamicin	++	++	++	∅	∅	+++	++	∅	Plague, <i>F. tularensis</i>	<i>Strep</i> or <i>Enterococcus</i> endocarditis (in combination)
Tobramycin	+	+	+	∅	∅	+++	+++	∅	∅	VAP (in combination)
Amikacin	+	+	+	∅	∅	++++	++	∅	∅	Tough UTIs
Vancomycin	+++	++	++++	+++	∅	∅	∅	<i>C. diff</i> if PO	∅	Measure troughs
Linezolid	+++	+++	++++	+++	+++	∅	∅	∅	∅	MRSA, VRE. Marrow toxicity
Daptomycin	+++	+++	++++	+++	+++	∅	∅	∅	∅	MRSA, VRE. Don't use for lung infection
Tigecycline	+++	+++	+++	+++	+++	+++	∅	+++	∅	3rd line, may increase mortality
Doxycycline	++	++	++	+	+	∅	∅	∅	++++	CAP, atypical infections
TMP-SMX	+	+++	++	∅	∅	++	∅	∅	<i>P. jirovecii</i> , <i>Nocardia</i>	Elevates K ⁺ and Cr
Clindamycin	+++	∅	++	∅	∅	∅	∅	+++	<i>Babesia</i>	GI side effects common
Nitrofurantoin	+	∅	∅	+	+	++	∅	∅	∅	Uncomplicated UTI
Metronidazole	∅	∅	∅	∅	∅	∅	∅	++++, including <i>C. diff</i>	Some protozoa	Good anaerobe coverage
Colistin (polymixin E)	∅	∅	∅	∅	∅	++++	++++	∅	∅	GNR coverage of last resort
Rifaximin	∅	∅	∅	∅	∅	++	∅	∅	∅	Hepatic encephalopathy
Ciprofloxacin	∅	+	+	∅	∅	+++	++	∅	∅	GI, GU infections
Levofloxacin	++	++	+	∅	∅	+++	++	∅	+++	Pneumonia, expensive
Azithromycin	++	+	∅	∅	∅	+	∅	∅	+++	CAP, chlamydia

