Common Oral Antibiotics	Organisms										Resistant Organisms					Antibiotic Spectrum Activity Score
	S. pneumoniae	Enterococcus sp	S. aureus	M. catarrhalis / H. influenzae	E. coli / Klebsiella sp	Enterobacter / Serratia / Citrobacter sp	P. aeruginosa	B. fragilis	Anaerobes	Atypicals	PRSP	VRE	MRSA	ESBL	MDRO	
Dicloxacillin	☑	☒	☑	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	2
Erythromycin	☑	☒	☒	☒	☒	☒	☒	☒	☒	☑	☒	☒	☒	☒	☒	2
Metronidazole	☒	☒	☒	☒	☒	☒	☒	☑	☑	☒	☒	☒	☒	☒	☒	2
Amoxicillin	☑	☑	☒	☒	☑	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	3
Azithromycin	☑	☒	☒	☑	☒	☒	☒	☒	☒	☑	☒	☒	☒	☒	☒	3
Cefixime	☑	☒	☒	☑	☑	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	3
Cephalexin	☑	☒	☑	☒	☑	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	3
Clarithromycin	☑	☒	☒	☑	☒	☒	☒	☒	☒	☑	☒	☒	☒	☒	☒	3
Penicillin VK	☑	☑	☒	☒	☒	☒	☒	☒	☑	☒	☒	☒	☒	☒	☒	3
Cefdinir	☑	☒	☑	☑	☑	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	4
Cefpodoxime	☑	☒	☑	☑	☑	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	4
Cefprozil	☑	☒	☑	☑	☑	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	4
Cefuroxime	☑	☒	☑	☑	☑	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	4
Clindamycin	☑	☒	☑	☒	☒	☒	☒	☑	☑	☒	☑	☒	☑	☒	☒	6
Linezolid	☑	☑	☑	☒	☒	☒	☒	☒	☒	☒	☑	☑	☑	☒	☒	6
Trimethoprim/Sulfamethoxazole	☒	☒	☑	☑	☑	☑	☒	☒	☒	☒	☒	☒	☑	☑	☒	6
Amoxicillin/Clavulanate	☑	☑	☑	☑	☑	☒	☒	☑	☑	☒	☒	☒	☒	☒	☒	7
Ciprofloxacin	☒	☒	☑	☑	☑	☑	☑	☒	☒	☑	☒	☒	☒	☑	☒	7
Doxycycline	☑	☒	☑	☑	☑	☒	☒	☒	☒	☑	☑	☒	☑	☒	☒	7
Minocycline	☑	☒	☑	☑	☑	☒	☒	☒	☒	☑	☑	☒	☑	☒	☒	7
Levofloxacin	☑	☑	☑	☑	☑	☑	☑	☒	☒	☑	☑	☒	☒	☑	☒	10
Moxifloxacin	☑	☑	☑	☑	☑	☑	☒	☑	☑	☑	☑	☒	☒	☑	☒	11

PRSP = Penicillin-Resistant S. pneumoniae, VRE = Vancomycin-Resistant Enterococcus sp, MRSA = Methicillin-Resistant S. aureus, ESBL = Extended-Spectrum Beta-Lactamase producing Enterobacterales, MDRO = Multidrug Resistant Gram-Negative Organism

Adapted from:
Gerber JS, Hersh AL, Kronman MP, et al. ICHE 2017;38(8):993-997
Kakiuchi S, Livorsi DJ, Perencevich EN, et al. CID 2022;75(4):567-576
Sanford Guide - Antibacterial Agents: Spectra of Activity

Antibiotic Spectrum Activity of Common Oral Antibiotics

MISSOURI DEPARTMENT OF HEALTH & SENIOR SERVICES
Healthcare-Associated Infections & Antimicrobial Resistance

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