

Developed through the efforts of Children's Healthcare of Atlanta and physicians on Children's medical staff in the interest of advancing pediatric healthcare. This pathway is a general guideline and does not represent a professional care standard governing providers' obligation to patients. Ultimately the patient's physician must determine the most appropriate care. © 2016 Children's Healthcare of Atlanta, Inc.



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Complicated Pneumonia Medication Chart^A

		Drug	Dose and schedule	Max dose
		Ceftriaxone +/-	75 mg/kg/dose q 24hr IV	2000 mg/dose
ate	Moderate Illness	Clindamycin ^B	40 mg/kg/day q 8hr IV	900mg/dose (IV)
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10			10 mg/kg IV/PO	
2	Moderate Illness	Levofloxacin	<5yo q 12hr	500 mg/dose
	with Penicillin	+/-	≥5yo q 24hr	
	Allergy ^C	Clindamycin ^B	40 mg/kg/day q 8hr IV	900 mg/dose (IV)
			30 mg/kg/day q 8hr PO	600 mg/dose (PO)

Severe		Drug	Dose and schedule	Max dose
	Severe Illness	Ceftriaxone AND	75 mg/kg/dose q 24hr IV	2000 mg/dose
		Vancomycin	20 mg/kg q 8hr IV ^D	1250 mg/dose
	Severe Illness with Penicillin Allergy ^C	Levofloxacin AND	10 mg/kg IV/PO <5yo q 12hr ≥5yo q 24hr	500 mg/dose
		Vancomycin	20 mg/kg q 8hr IV ^D	1250 mg/dose

	For Atypical Pathogen Coverage Add ^E	Azithromycin	10 mg/kg IV/PO x 1 then 5 mg/kg daily x 4 days	500mg/dose
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^AKnown susceptibility should always be used to guide therapy

^B Consider adding clindamycin in patient with presence of loculations, septations, or empyema

Note: CA-MRSA susceptibility to clindamycin ~90% per the CHOA antibiogram and clindamycin penetration into lung tissue is superior to vancomycin. In patients with severe disease, vancomycin is preferred due to increased spectrum of activity.

^c Type 1 penicillin allergy defined by urticaria or anaphylaxis

^D Vancomycin Trough levels and dosing adjustment to be managed by Pharmacokinetics Service

^E If patient on levofloxacin, atypical pathogens are covered and an addition of azithromycin is not needed

- Do not escalate antibiotic coverage due to persistent fever alone, as fever is expected for 48-72 hours even after starting appropriate antibiotic therapy. Consider further workup prior to alteration of antibiotics.
- Patients should be treated for at least 7 days after resolution of fever
- Consider ID consult to help guide length of therapy and to offer guidance for transition to oral therapy

For influenza treatment recommendations please refer to CDC Guidelines