



## Even Shorter, Even Better: 3 Days for Community-Acquired Pneumonia

The 2019 American Thoracic Society (ATS) and Infectious Diseases Society of America (IDSA) community-acquired pneumonia (CAP) guidelines recommend treating patients until they are clinically stable and for a minimum of 5 days.<sup>1</sup> However, in the newest 2025 ATS CAP guidelines, an even shorter duration of 3 days is recommended for some patients.<sup>2</sup> Which patients with CAP can be treated with 3 days of antibiotics?

### What do the guidelines say?

Hot off the press, the 2025 ATS CAP guideline recommends a minimum of 3 days in adult outpatients and inpatients with non-severe CAP who reach [clinical stability](#). This is a conditional recommendation that requires individualization. Specific factors that may strengthen or weaken the recommendation for 3 days are provided and summarized in the table below.

Patients	Strengthen 3-day recommendation	Weaken 3-day recommendation (i.e., consider > 3 days)
<b>Outpatients with CAP who reach clinical stability</b>	<ul style="list-style-type: none"> <li>↑ risk of antibiotic harm (e.g., history of <i>C. difficile</i> infection or antibiotic adverse event)</li> <li>Patient preference to minimize antibiotic exposure</li> </ul>	<ul style="list-style-type: none"> <li>Barrier to self-assessment, follow-up, or communication to ensure recovery</li> <li>Organism requiring longer duration (e.g., <i>S. aureus</i>, <i>P. aeruginosa</i>, <i>Legionella</i> spp., other intracellular organism)</li> <li>Radiographic imaging (e.g., high burden of disease, necrotizing infection, dense consolidations)</li> <li>Underlying lung disease (e.g., bronchiectasis, post-obstructive pneumonia, chronic respiratory insufficiency)</li> <li>Recent hospitalization or resident in long-term care</li> </ul>
<b>Non-severe inpatients with CAP who reach clinical stability</b>	<ul style="list-style-type: none"> <li>As above AND</li> <li>Resolution of inflammatory markers</li> </ul>	<ul style="list-style-type: none"> <li>As above AND</li> <li>Pneumonia complication (e.g., empyema/parapneumonic effusion, abscess, necrotizing pneumonia, bacteremia, extrapulmonary site of infection)</li> <li>Pregnancy</li> <li>Recent antibiotics</li> </ul>

A minimum of five days is still recommended in adult inpatients with severe CAP who reach clinical stability.

### What is the evidence?

Two double blind, randomized controlled trials have compared 3 days to 8 days of beta-lactam therapy in non-ICU inpatients with CAP who reached clinical stability on day 3. Similar rates in early clinical cure (10-15 days after antibiotic start) and late clinical cure (28-30 days after antibiotic start) were observed.<sup>3,4</sup> In one study, rates of 30-day mortality were low but similar (2% vs 1%).<sup>4</sup> The factors that weaken the 3-day recommendation (see above) include key exclusion criteria from these studies. Immunocompromised patients were also excluded from these studies and are outside the stated scope of the guidelines.<sup>2,4</sup>

**Key Takeaway:** Stop antibiotics after 3 days in clinically stable outpatients and non-severe inpatients with community-acquired pneumonia. Stop antibiotics after 5 days in clinically stable patients with severe community-acquired pneumonia without complications.

### References:

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2. Jones BE, Ramirez JA, Oren E, et al. Diagnosis and Management of Community-acquired Pneumonia. An Official American Thoracic Society Clinical Practice Guideline. *Am J Respir Crit Care Med.* Published online July 18, 2025. doi:10.1164/rccm.202507-1692ST
3. el Moussaoui R, de Borgie CA, van den Broek P, et al. Effectiveness of discontinuing antibiotic treatment after three days versus eight days in mild to moderate-severe community acquired pneumonia: randomised, double blind study. *BMJ.* 2006;332(7554):1355. doi:10.1136/bmj.332.7554.1355
4. Dinh A, Ropers J, Duran C, et al. Discontinuing β-lactam treatment after 3 days for patients with community-acquired pneumonia in non-critical care wards (PTC): a double-blind, randomised, placebo-controlled, non-inferiority trial. *Lancet.* 2021;397(10280):1195-1203. doi:10.1016/S0140-6736(21)00313-5