Clinical Guidelines for the Outpatient treatment of
Community Acquired Pneumonia

The most common pathogens isolated in outpatients with community acquired pneumonia:

- Streptococcus pneumoniae
- Mycoplasma pneumoniae
- Haemophilus influenzae
- Chlamydia pneumoniae
- Respiratory viruses (18-38%)

Patient Characteristics	Outpatient Oral Antibiotic Regimen
Previously healthy with no risk factors for drug-resistant S. pneumoniae	Macrolide: • Azithromycin (500mg D1, then 250mg daily) • Clarithromycin (500mg bid; 1000mg daily XL) **OR** Doxycycline (100mg bid)
Co-morbidity or risk factor for drug-resistant S. pneumoniae: • use of a broad spectrum antibiotic in previous 3 months • age over 65 • alcoholism • chronic disease (e.g. heart, lung, liver, or kidney disease or diabetes) • cancer • asplenia • exposure to child in day care • immunosuppression If the patient has received an antibiotic within the previous three months, pick an option from a different class	Macrolide (as above) **PLUS** beta-lactam: • High dose amoxicillin (1000mg tid) or • Amoxicillin-clavulanate (2000mg bid); use amoxicillin/clavulanate 1000mg/62.5mg/tab only Alternative to macrolide: doxycycline Alternative to oral beta-lactams: • cefdinir (300mg bid) or • cefpodoxime proxetil (200mg bid) or • cefuroxime axetil (500mg bid) or • ceftriaxone (1-2gm IV/IM q 24 hour) **OR** Respiratory fluoroquinolone: • Moxifloxacin (Avelox) (400mg q 24 h) • Levofloxacin (750mg q 24 h) • Gemifloxacin (Factive) (320mg q 24 h)
Kentuckiana has outpatient susceptibility data suggesting >50% macrolide-resistant S. pneumoniae	Treatment recommendations are as above

Treatment length: At least 5 days (some guidelines recommend 7 days for outpatients)
Antibiotics should not be stopped until **afebrile at least 48 hours** and no more than one sign of instability (T>37.8; HR >100; RR≥24; SBP <90; O2 sat <90% on room air; inability to maintain oral intake; or altered mental status)

CURB-65
(Algorithm for determining appropriateness of outpatient treatment)

	Clinical Factor	Points		Total Score	30-day mortality	Risk Level	Suggested treatment site
C	Confusion	1		**0**	0.6%	Low	Outpatient
U	BUN ≥ 19	1		**1**	2.7%	Low	Outpatient
R	RR ≥ 30	1		**2**	6.8%	Moderate	Short inpatient/supervised out-patient
B	SBP ≤ 90 or DBP ≤ 60	1		**3**	14.0%	Moderate to high	Inpatient
65	Age ≥ 65	1		**4 or 5**	≥27.8%	High	Inpatient/ICU