ADULT ANTIBIOTIC PRESCRIBING GUIDELINES

Adapted by experts in antibiotic prescribing, including primary care providers, academic infectious disease physicians, clinical pharmacists, and health care systems antibiotic stewardship leaders from across North Carolina from 2018 guidelines produced by the New York State Department of Health.

ADULT OUTPATIENT TREATMENT RECOMMENDATIONS 2024: SUMMARY OF GUIDELINES¹

	Diagnosis	Management
Non-specific upper respiratory tract infection (URI) ^{8,9,10} Most adults get 2-4 URIs annually	Usually last less than a week, with signs and symptoms peaking within 2 to 3 days of infection and can include: Runny nose or nasal congestion Cough Sneezing Sore throat Headache Mild body aches Fever (usually low-grade)	Antibiotic treatment is not recommended for non-specific URIs. OTC analgesics can be given to relieve symptoms Decongestants combined with a first-generation antihistamine may provide short-term relief of nasal symptoms and cough. Evidence does not support antihistamines (as monotherapy), intranasal corticosteroids, and/or nasal saline irrigation as effective treatments for cold symptom relief. Providers and patients must weigh the benefits and harms of symptomatic therapy.
Acute rhinosinusitis 2-4 Most cases are viral; only 0.5-2% of viral rhinosinusitis cases are complicated by bacterial infection Antibiotics may not help even when the cause is bacterial	Presentations consistent with acute bacterial sinusitis are: • Symptoms of acute rhinosinusitis lasting ≥10 days without improvement • Severe symptoms lasting ≥3 days: • Fever ≥39°C (102.2°F) • Purulent nasal discharge • Facial Pain • "Double worsening", following a typical URI that lasted 5-6 days with new onset of: • Fever • Headache • Increased nasal discharge Sinus radiographs are not routinely recommended.	Watchful waiting (up to 10 days) is encouraged for uncomplicated infections, including bacterial cases, with reliable follow-up. Evidence-based supportive care includes:
Acute uncomplicated bronchitis 5-7 Viruses cause most cases of acute bronchitis Cough typically lasts 5 days to 3 weeks, up to 6 weeks	Focus on ruling out pneumonia, which is rare among otherwise healthy adults without abnormal vital signs (heart rate >100 beats/min, respiratory rate >24 breaths/min, or oral temperature >38 °C (100.4°F)) and abnormal lung examination (focal consolidation, egophony, fremitus). Colored sputum does not indicate bacterial infection. For most cases, chest radiography is not indicated. Promote appropriate antibiotic use by communicating the diagnosis as a 'viral lower respiratory tract infection'.	Routine treatment of uncomplicated acute bronchitis with antibiotics is not recommended, regardless of cough duration or if a patient is a smoker. Patients may benefit from symptomatic therapy: Cough suppressants Expectorants First-generation antihistamines Decongestants See references for additional treatment options, and other important information. ^{5,6}

Pharyngitis 7, 11, 12 Clinical features alone do not distinguish between GAS and Antibiotic treatment is not recommended for patients with negative rapid test results. Antibiotics are not viral pharyngitis; a rapid antigen detection, nucleic acid test, or recommended for close contacts in the absence of a positive test. **Group A Streptococcus** a positive culture is necessary to establish a GAS pharyngitis (GAS) is the only common GAS resistance to clindamycin and azithromycin is increasingly common. diagnosis. indication for antibiotics Only 5-10% of cases in Adults with a sore throat and 2 (3 if ≥45 yo) or more of the First-line therapy for GAS: adults are caused by GAS following features should get a rapid test: penicillin V 500 mg PO BID x 10 days 1. Lack of cough amoxicillin 1 g PO daily or 500 mg PO BID x 10 days 2. Tonsillar exudates 3. History of fever (>38 °C or 100.4°F) Non-type I penicillin allergy: 4. Swollen and tender anterior cervical lymphadenopathy cephalexin 500 mg PO BID x 10 days Throat cultures after a negative rapid test result are not routinely Immediate type I penicillin allergy: recommended for adults. clindamycin 300 mg PO TID x 10 days azithromycin 500 mg PO daily x 5 days **Acute uncomplicated** Asymptomatic bacteriuria is common. To limit unnecessary First-line therapy in healthy non-pregnant, premenopausal women: **cystitis** 13, 14, 15 antibiotic use, urine cultures should only be ordered in patients nitrofurantoin 100 mg PO BID x 5 days (not recommended if early pyelonephritis is suspected) with clinical features suggestive of a UTI including: cephalexin 500 mg PO BID x 5 days Asymptomatic bacteriuria Dvsuria TMP-SMX 160/800 mg PO (one DS tablet) BID x 3 days (where local resistance is <20%) is common Urinary urgency or frequency fosfomycin 3 g PO x 1 dose (not recommended if early pyelonephritis is suspected) Suprapubic or flank pain Gross persistent hematuria Reserve fluoroquinolones (e.g. ciprofloxacin) for situations in which other agents are not appropriate. See references for additional treatment options and other important information especially if early pyelonephritis is suspected.

Adult Outpatient References

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