Symptoms consistent with acute bronchitis lasting > 5 days:
Cough, sputum production, dyspnea, nasal congestion, headache, and fever

Supportive care and symptom management
- Antitussives: Dextromethorphan, guaifenesin (adults only), benzonatate (Rx only)
- Expectorants: Guaifenesin
- Consider Beta2-Agonists if underlying history of lung disease or wheezing or airway obstruction on exam
- Analgesics/Antipyretics: APAP or ibuprofen for fever and pain

Conduct Differential Diagnosis:
Pneumonia, asthma, exacerbation of COPD, heart failure, upper respiratory tract infection

Symptoms are not consistent with acute bronchitis (Bronchitis is ruled out as a diagnosis)

Are the following symptoms present: malaise, rhinorrhea, mild or paroxysmal cough, excessive lacrimation, conjunctival infection?
Yes, pertussis is likely
No

Are the following symptoms present: Dyspnea, bloody or rusty sputum, pulse > 100 bpm, RR > 24 bpm, T > 100°F (37.8°C), Focal consolidation, egophony, or fremitus on chest examination, delirium if age ≥ 75?

Chest radiography is indicated
- Infiltrate
- No Infiltrate

Refer to CAP/HAP guidelines

Pneumonia ruled out of differential

Adult:
1. Azithromycin 500 mg x1 day, then 250 mg x4
2. Erythromycin 500 mg QID x14
3. Clarithromycin 500 mg BID x14
4. If macrolide contraindicated: Bactrim® DS BID x14

Pediatric:
1. Azithromycin 10 mg/kg x1 (Max 500), then 5 mg/kg x4 (Max 250)
2. Erythromycin 40-50 mg/kg/day in 4 divided doses (Max 2 g/day)
3. Clarithromycin 7.5 mg/kg/dose Q12H x7 (Max 500/dose)
4. Bactrim® 4mg/kg/dose Q12H x14

Supportive care and symptom management
- Antitussives: Dextromethorphan, guaifenesin (adults only), benzonatate (Rx only)
- Expectorants: Guaifenesin
- Consider Beta2-Agonists if underlying history of lung disease or wheezing or airway obstruction on exam
- Analgesics/Antipyretics: APAP or ibuprofen for fever and pain

Cold and cough medications are not recommended in children under 4 years old:
Fluids, APAP/ibuprofen (fever/pain control), saline nasal spray, and if >1 year honey (antitussive)