

Clinical Guideline Sinusitis, Bacterial (4-18 years)

Follow-up 10-14 days after starting treatment. If still symptomatic, consider ENT consult.

If considering the diagnosis Fever and rhinorrhea in child >4 years old of bacterial sinusitis in a child younger than 4, please consult a pediatrician. 90-98% of pediatric sinus infections are caused by viruses. Consider bacterial sinusitis only in the following scenarios. Persistent Illness Worsening Course Severe Onset Nasal discharge and daytime Fever >102°F and One week of worsening nasal cough for >10 days discharge, daytime cough, and purulent nasal discharge with no improvement fever after initial improvement for >3 consecutive days Observe for 3 **Treatment** davs. Follow-up by phone or by 1st line High-dose Augmentin 45 mg/kg/dose PO BID for 10-14 days appointment. 2nd line Cefdinir 14 mg/kg/dose PO daily for 10-14 days -If no improvement-Try to avoid using cephalosporins. They are less effective at treating the most common organisms that cause sinusitis. For PCN allergy: Please obtain a pediatrics consult. Do not prescribe azithromycin or Septra. The most common pathogens in pediatric sinusitis **Differential Diagnosis** have high resistance rates to these antibiotics. Avoid fluoroguinolones. foreign body seasonal/environmental allergies recurrent/back-to-back viral rhinitis or nasopharyngitis Follow-up by phone or by appointment at 3 **GERD** days. If no improvement, consider broadening to next line of treatment. Sinus Development in Children



12 year old

5 year old

1 year old

- Maxillary: present at birth, fully developed at 12 years
- Ethmoid: present at birth, fully developed at 12 years
- Frontal: present at 3 years, fully developed at 18-20 years
- Sphenoid: present at 8 years, fully developed at 12-15 years

-j0i5i30k113j0i8i30k1.34240.34657.0.35299.2.2.0.0.0.200.398.0j1j1.2.0...0_.1c.1.64.psy-30k1.0.rSFh1aHla74#imarc⊨IDSBxCfrF0AkWM.&sot⊨1518811500752

Imaging

Do not routinely obtain imaging studies in suspected sinusitis unless there is concern for a complication like orbital or CNS

Do not treat sinusitis, in the absence of symptoms, if it is an incidental finding on an imaging study.

Adjuvant Therapies

- Saline nasal spray
- Steam
- Oral hydration
- Tylenol and ibuprofen
- Do not routinely give decongestants and antihistamines (especially Benadryl). They have been proven ineffective in children and are unsafe under 6 years old.

This guideline is designed for the general use of most patients but may need to be adapted to meet the special needs of a specific patient as determined by the medical practitioner. Approved by Clinical Guideline Committee 1/19/24. Click here to see the supplemental resources for this guideline. If comments about this guideline, please contact

Leslie_Herrmann@ykhc.org.