**PRESCRIBING in ACUTE SINUSITIS**

**for CHILDREN and YOUNG ADULTS under 18**

**Audit Template**

**1. TOPIC**

Antibiotic prescribing in acute sinusitis for children and young adults under 18.

**2. PROFESSIONAL COMPETENCE DOMAINS**

Clinical Skills

Management

Patient Safety and Quality of Care

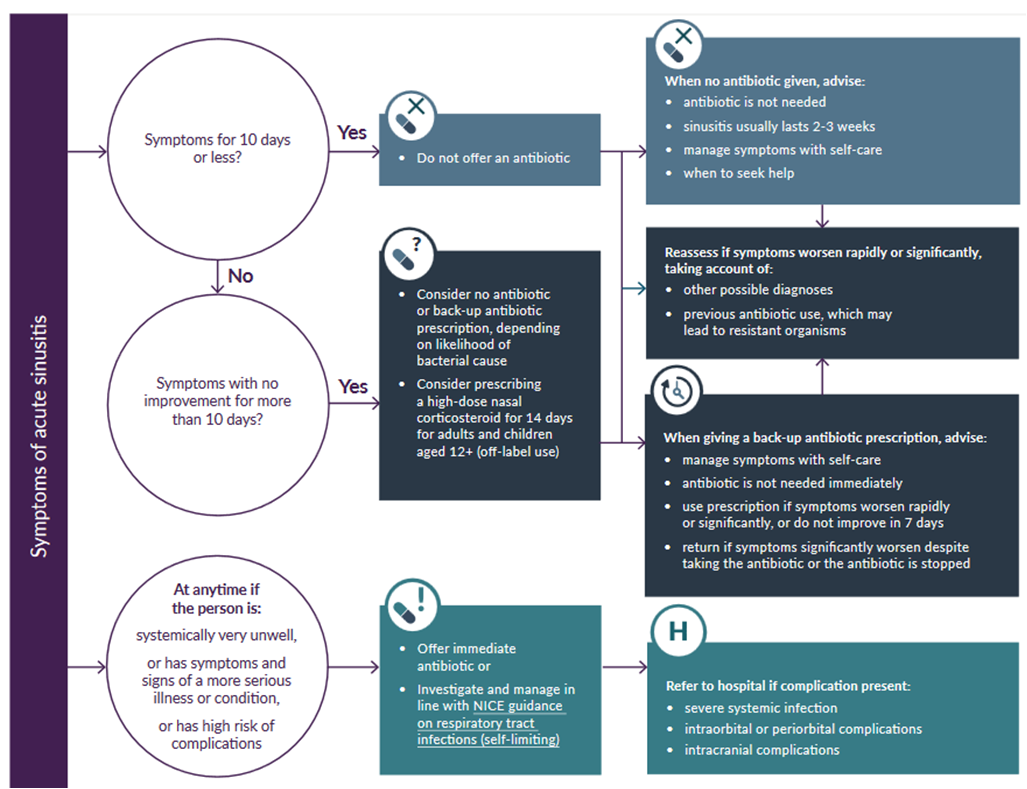
**3. OBJECTIVE**

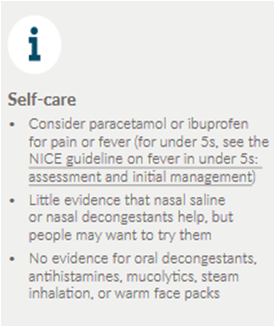
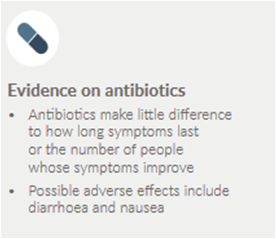
To audit antibiotic prescribing for acute sinusitis against NICE Guideline NG79 : Sinusitis (acute) : antimicrobial prescribing.

**4. GUIDELINES**

Evidence suggests that antibiotics are generally not required as first line treatment for acute sinusitis. (1) (2)

The NICE 2018 guideline recommends the following :





The 2017 Public Health England (PHE) Management of infection guidelines provide recommended antibiotic(s), dose, frequency and duration (3).

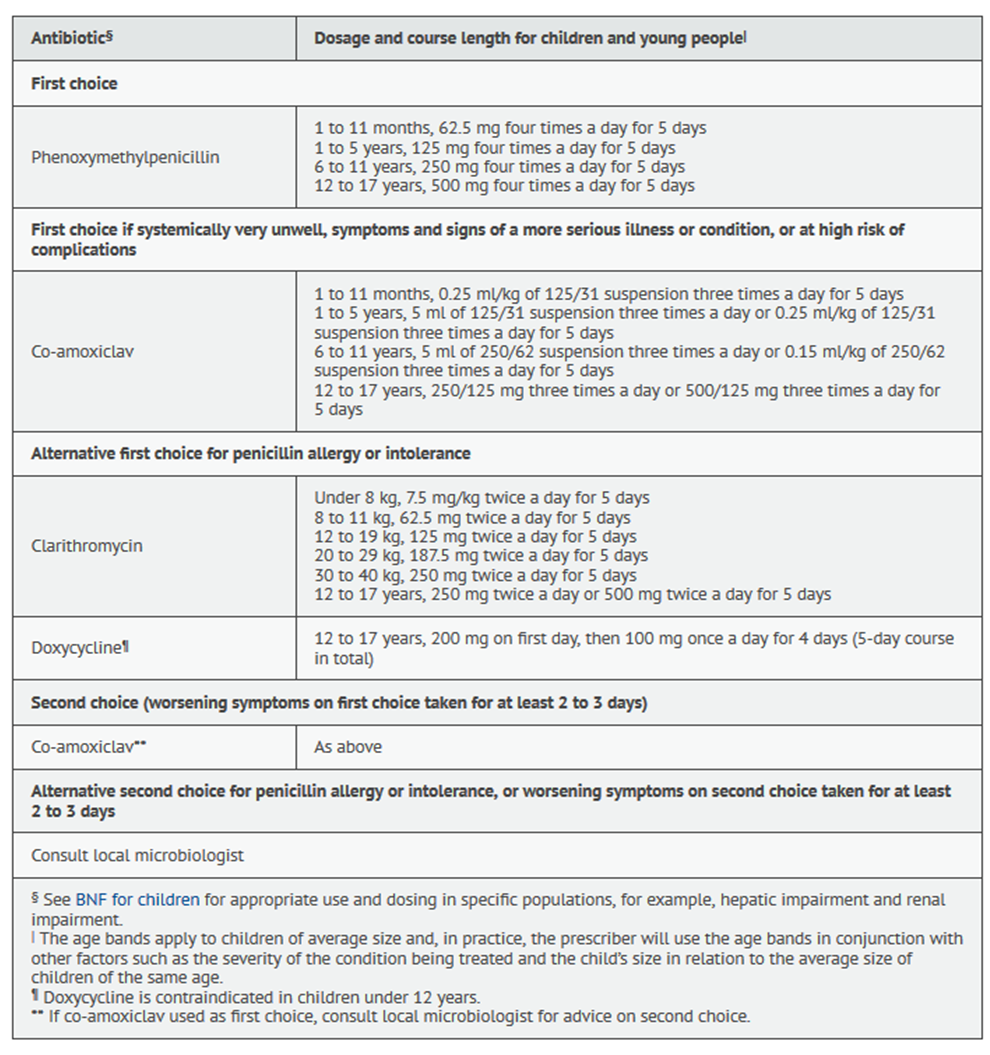
**5. CRITERIA and TARGETS**

* MANAGEMENT DECISION / TREATMENT
  + No antibiotic given (Target >50%)
  + Back-up/delayed antibiotic given with advice about how to access (Target <30%)
  + Immediate antibiotic given with advice on compliance (Target <20%)
  + Management appropriate for clinical presentation?
* GIVING ADVICE
  + Advice given on natural history and average length of illness (2-3 weeks)

(Target : 100%)

* + Advice given about managing symptoms including fever (self-care advice) (Target : 100%)
  + Information about when to re-consult (safety netting advice) (Target : 100%)
  + Information shared on antibiotic use and resistance (Target : >50%)

ANTIBIOTIC PRESCRIBING (immediate and delayed script)

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**6. FIRST DATA COLLECTION (practice before audit)**

Sample size : 20 consultations for Acute Sinusitis in children and young adults under 18.

Search your records for 20 past consultations for Acute Sinusitis for children and young adults under 18

Enter the required data either in the Word [Manual template for the First Data Collection](Sinusitis%20Children%201st%20data%20collection%20Word.docx)

* Data about compliance with the criteria is entered manually and percentage of targets achieved is calculated manually

or in the Excel [Automated template for the First Data Collection.](Sinusitis%20Children%201st%20data%20collection%20Excel.xlsx)

* Compliance with the criteria and percentage of target achieved are calculated automatically.

**7. FIRST DATA ANALYSIS and INTERPRETATION**

Analyse the data and interpret the results.

**8. CHANGES IMPLEMENTED**

Identify changes required to comply with the guidelines and meet the targets set for each criteria.

**9. SECOND DATA COLLECTION (practice after improvements implementation)**

Sample size : 20 consultations for Acute Sinusitis in adults over 18 children and young adults under 18.

Implement the changes in a further 20 consultations for Acute Sinusitis for children and young adults under 18.

Enter the required data either in the Word [Manual template for the Second Data Collection.](Sinusitis%20Children%202nd%20data%20collection%20Word.docx)

* Data about compliance with the criteria is entered manually and percentage of targets achieved is calculated manually

or in the Excel [Automated template for the Second Data Collection.](Sinusitis%20Children%202nd%20data%20collection%20Excel.xlsx)

* Compliance with the criteria and percentage of target achieved are calculated automatically.

**10. SECOND DATA ANALYSIS and INTERPRETATION**

Analyse the data and interpret the results.

**11. CONCLUSION**

Draw appropriate conclusions from completion of the audit.

**12. REFLECTIONS**

Reflect on the experience of the audit and its impact on your professional life and practice..

**13. REFERENCES**

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**1. Sinusitis (acute): antimicrobial prescribing**

National Institute for Health and Care Excellence

NICE Guidance NG79

Published : April 2018

[**Access**](https://www.guidelines.co.uk/infection/nice-sinusitis-guideline/454117.article)

**2. Antimicrobial stewardship: systems and processes for effective antimicrobial medicine use**

National Institute for Health and Care Excellence

Key therapeutic topic (KTT9)

Published : January 2015,

Last Updated : February 2018

[**Access**](https://www.nice.org.uk/advice/ktt9/chapter/Options-for-local-implementation)

**3. Management and treatment of common infections**

Public Health England

Published : October 2017

[**Access**](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/777505/Common_Infect_-_PHE_context_references_and_rationale_Feb_2019.pdf)