**PRESCRIBING in ACUTE OTITIS MEDIA in CHILDREN under 18 years**

**Audit Template**

**1. TOPIC**

Antibiotic prescribing for acute otitis media in children under 18 years

**2. PROFESSIONAL COMPETENCE DOMAINS**

Clinical Skills

Management

Patient Safety and Quality of Care

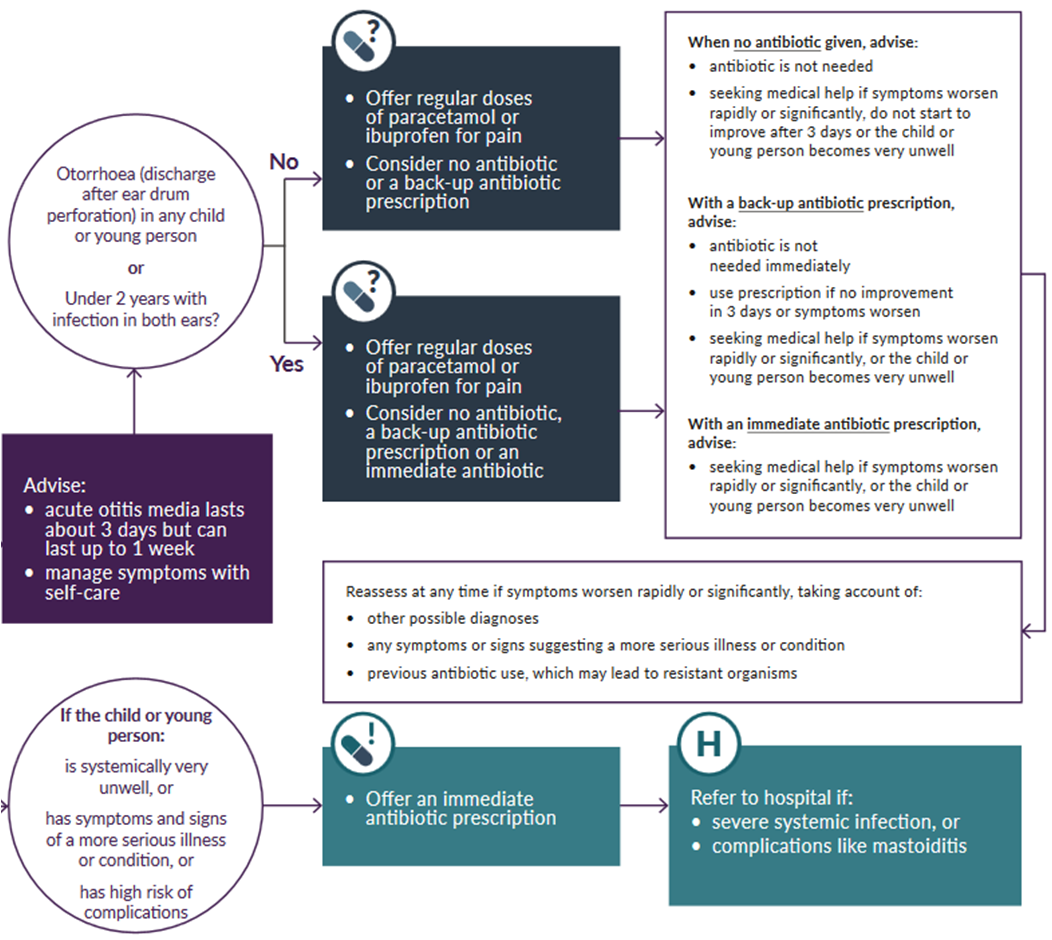
**3. OBJECTIVE**

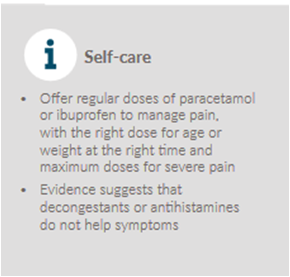
To audit antibiotic prescribing for acute otitis media against NICE Guideline CG91 : Otitis media (acute) : antimicrobial prescibing.

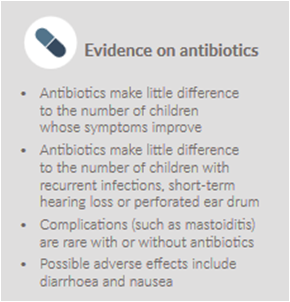
**4. GUIDELINES**

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

The 2018 NICE guideline recommends the following :





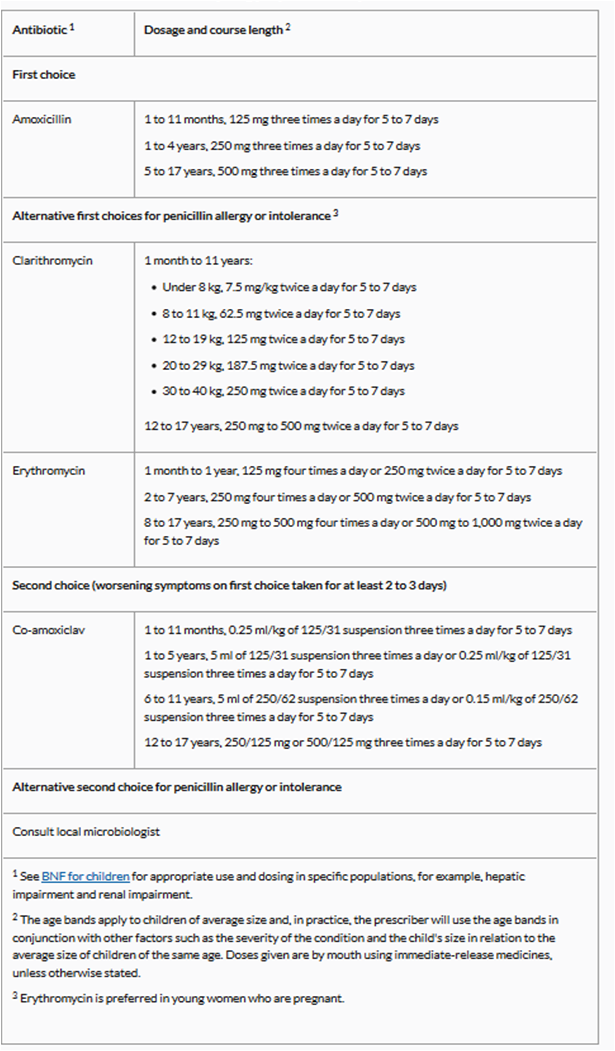


The 2017 Public Health England (PHE) Management of infection guidelines provide recommended antibiotic(s), dose, frequency and duration (3).

**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%)
* GIVING ADVICE
  + Advice given on natural history and average length of illness 8 days (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

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

Sample size : 30 consultations for acute otitis media in children under 18 years

Search your records for 30 past consultations for AOM in children under 18 years.

Enter the required data either in the Word [Manual template for the First Data Collection](AOM%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.](AOM%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 : 30 consultations for acute otitis media in children under 18 years

Implement the changes in a further 30 consultations for AOM in children under 18 years.

Enter the required data either in the Word [Manual template for the Second Data Collection](AOM%202st%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.](AOM%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. Otitis media (acute): antimicrobial prescribing**

National Institute for Health and Care Excellence

NICE Guidance NG 91

Published : March 2018

[**Access**](https://www.nice.org.uk/guidance/ng91)

**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)