

Guideline

Empirical antimicrobial therapy for children with Non-Cystic Fibrosis Bronchiectasis

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Author/custodian	Director Infection Management and Prevention Service			Review date	20/12/2020
	Antimicrobial Stewardship Pharmacist				
Supercedes	CHQ-GDL-01059				
Applicable to	All Children's Health Queensland staff				
Authorisation	Executive Director Clinical Services (QCH)				

Purpose

This guideline provides recommendations regarding best practice for empirical antimicrobial therapy for paediatric patients with non-cystic fibrosis (CF) bronchiectasis, for inpatient and outpatient management. For advice on antimicrobial therapy for patients with pulmonary exacerbations or chronic colonisation with *Pseudomonas aeruginosa*, Methicillin resistant *Staphylococcus aureus* and atypical micro-organisms, please contact the Queensland Children's Hospital Infection Specialist consultant team for advice.

Scope

This guideline provides information for Children's Health Queensland staff caring for paediatric CF and non-CF bronchiectasis patients.

Related documents

Procedures, Guidelines, Protocols

- [Hospital In The Home \(HITH\) Outpatient Parenteral Antimicrobial Therapy Prescribing, Administration and monitoring guideline](#)
- [CHQ-PROC-01035 Antimicrobial Restrictions – Antimicrobial Stewardship \(AMS\)](#)
- [CHQ-GDL-01221 Immunisation Guideline for Medically at Risk Children](#)
- [CHQ-GDL-01061 Use of Azithromycin in Children with Non-Cystic Fibrosis Bronchiectasis or Chronic Suppurative Lung Disease](#)

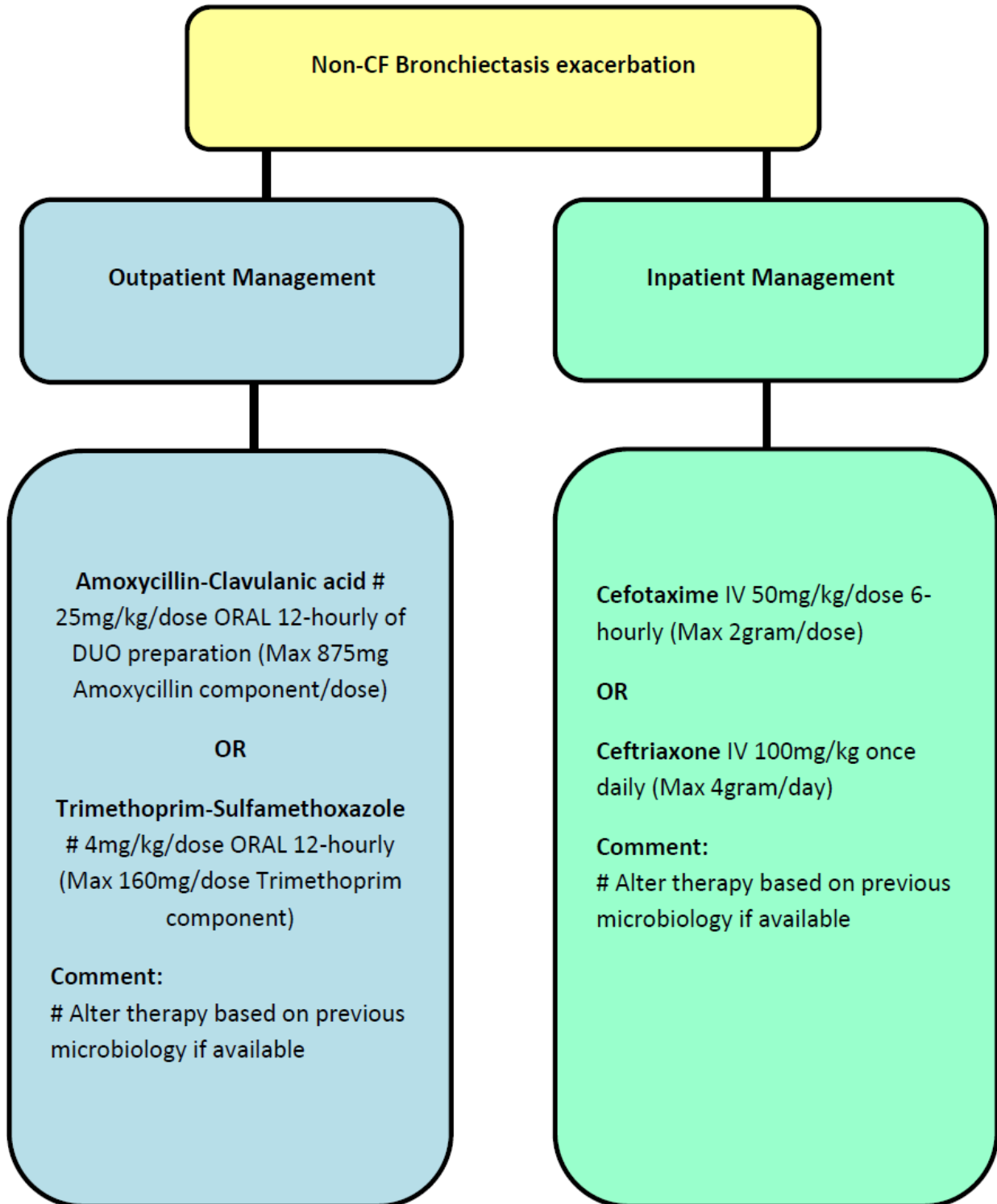
Other

- [CHQ Antimicrobial Restriction list](#)

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Figure 1. Non-CF bronchiectasis exacerbation



Consultation

Key stakeholders who reviewed this version:

- Paediatric Respiratory Consultant Team (CHQ)
- Paediatric Infectious Diseases Consultant team (IMPS, CHQ)
- Antimicrobial Stewardship Pharmacist (CHQ)

List of abbreviations

Abbreviation	Definition
AMS	Antimicrobial Stewardship
CHQ	Children's Health Queensland
HITH	Hospital In The Home
IMPS	Infection Prevention and Management Service
IV	Intravenous

References and suggested reading

- Taketomo, C.K. (ed). (2017-2018), In Pediatric Dosage handbook International, 24th edn, Lexi-Comp: USA.
- Chang AB et al. Chronic suppurative lung disease and bronchiectasis in children and adults in Australia and New Zealand. A position statement from the Thoracic Society of Australia and New Zealand and the Australian Lung Foundation. MJA 2010; 193: 356–365
- Antibiotic Therapeutic Guidelines. (2014), Therapeutic Guidelines Committee, 14th edn, North Melbourne: Victoria.

Guideline revision and approval history

Version No.	Modified by	Amendments authorised by	Approved by
1.0 (replaces CHQ-GDL-01059)	Paediatric Respiratory Consultant Team (CHQ) Paediatric Infectious Diseases Consultant team (CHQ) Antimicrobial Stewardship Pharmacist (CHQ)	Divisional Director Medicine	Executive Director Clinical Services (QCH)

Keywords	non-CF bronchiectasis, exacerbation, inpatient management, outpatient management, antimicrobial stewardship, cefotaxime, ceftriaxone, amoxicillin-clavulanic acid, trimethoprim-sulfamethoxazole, 01072
Accreditation references	NSQHS Standards (1-8) - Standard 3: Preventing Controlling Healthcare-Associated Infection Standard 4: Medication Safety