

Paediatrics Evidence Update December 2020

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If you have any further enquiries please do not hesitate to get in touch.

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The Clinical Librarian team endeavours to find as much of the latest evidence in your clinical area as possible, however make no claim as to the exhaustive nature of the update.

For more specific areas of interest within Paediatrics we would recommend a literature search or KnowledgeShare bulletin.

BMJ Best Practice

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DynaMed Plus

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KnowledgeShare

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Contents (click title to view)

NICE Guidance	Other Guidance
Cochrane Systematic Reviews	Systematic reviews from other sources
Cochrane clinical answers	Primary Research
BMJ Best Practice	DynamedPlus
Paediatric health in the News	Online Resources
Electronic Journals	UpToDate



Most recent guidance published:

[COVID-19 rapid guideline: managing the long-term effects of COVID-19 \[NG188\]](#)

[Diabetes \(type 1 and type 2\) in children and young people: diagnosis and management \[NG18\]](#)

[Eating disorders: recognition and treatment \[NG69\]](#)

Other Guidance/Reports

No updates.



Systematic Reviews and Research Protocols

[Continuous glucose monitoring for the prevention of morbidity and mortality in preterm infants.](#)

[Early full enteral feeding for preterm or low birth weight infants.](#)

[Effects of oral vitamin D supplementation on linear growth and other health outcomes among children under five years of age.](#)

[Magnesium sulphate for treating acute bronchiolitis in children up to two years of age.](#)

[Non-pharmacological care for opioid withdrawal in newborns.](#)

Paediatric formulations of artemisinin-based combination therapies for treating uncomplicated malaria in children.

Vitamin D supplementation for term breastfed infants to prevent vitamin D deficiency and improve bone health.

Systematic reviews from other sources

Antihistamines in the Management of Pediatric Allergic Rhinitis: A Systematic Review.

Association between child/adolescent overweight/obesity and conduct disorder: A systematic review and meta-analysis.

Cash transfers and child nutritional outcomes: a systematic review and meta-analysis.

Diversity of practices in telerehabilitation for children with disabilities and effective intervention characteristics: results from a systematic review.

Dysphonia and reflux in children: A systematic review.

Echocardiographic Parameters and Mortality in Pediatric Sepsis: A Systematic Review and Meta-Analysis.

Effectiveness of hospital clowns for symptom management in paediatrics: systematic review of randomised and non-randomised controlled trials.

The hallmarks of childhood abuse and neglect: A systematic review.

An increasing public health burden arising from children infected with SARS-CoV2: A systematic review and meta-analysis.

Intranasal Corticosteroid Therapy: Systematic Review and Meta-analysis of Reported Safety and Adverse Effects in Children.

Language after childhood hemispherectomy: A systematic review.

Latent Class Analysis of Lifestyle Risk Factors and Association with Overweight and/or Obesity in Children and Adolescents: Systematic Review.

Machine Learning for Child and Adolescent Health: A Systematic Review.

Motor Impairment in Children With Congenital Heart Defects: A Systematic Review.

Outcomes of pediatric neuropsychological services: A systematic review.

Paediatric nurses', children's and parents' adherence to infection prevention and control and knowledge of antimicrobial stewardship: A systematic review.

Pediatric laryngeal sarcoma: Systematic review and pooled analysis.

Pediatric Subperiosteal Abscess Secondary to Acute Sinusitis: A Systematic Review and Meta-analysis.

Prevalence, clinical characteristics, and outcomes of pediatric COVID-19: A systematic review and meta-analysis.

Prevalence of respiratory viruses using polymerase chain reaction in children with wheezing, a systematic review and meta-analysis.

The prevalence of swallowing dysfunction in children with laryngomalacia: a systematic review.

Restless sleep in children: A systematic review.

Review: Exercise for depression in children and adolescents - a systematic review and meta-analysis.

Robot-assisted laparoscopic pyeloplasty in children: a systematic review.

Role of extracorporeal membrane oxygenation in children with sepsis: a systematic review and meta-analysis.

The role of music therapy in the treatment of children with cancer: A systematic review of literature.

Safety of azithromycin in pediatrics: a systematic review and meta-analysis.

SARS-CoV-2 (COVID-19): What Do We Know About Children? A Systematic Review.

Slow and Steady: A Systematic Review of ICU Care Models Relevant to Pediatric Chronic Critical Illness.

Surveillance endoscopy in pediatric tracheostomy: A systematic review.

A Systematic Review of Instruments to Assess Guilt in Children and Adolescents.

A systematic review of parenting interventions for child chronic health conditions.

Systematic review of pineal cysts surgery in pediatric patients.

Systematic review of reviews of symptoms and signs of COVID-19 in children and adolescents.

Systematic review of rigid and flexible esophagoscopy for pediatric esophageal foreign bodies.

Vicarious traumatization among child welfare and child protection professionals: A systematic review.

Which blood cutoff value should be used for vitamin A deficiency in children aged 3-10 years? A systematic review.



This month's clinical questions are...

Can the PHiD-PC10 pneumococcal conjugate vaccine given in early infancy help prevent otitis media in children?

For children and adolescents with group A beta-hemolytic streptococcus (GABHS) throat infection, how do short-term late-generation antibiotics compare with longer-term penicillin?

For children with tuberculosis (TB), how do intermittent and daily treatment regimens compare?

For very preterm or very low birth weight infants, what are the effects of probiotics for preventing necrotizing enterocolitis?

What are the effects of acyclovir for treating varicella in otherwise healthy children and adolescents?

What are the effects of methylxanthine for preterm infants with apnea?

What are the effects of methylxanthine for prevention of apnea in preterm infants?

What evidence is available on measures implemented in school settings to reopen schools and/or keep schools open during the COVID-19 pandemic?

Primary Research

Title: [Building a Data Linkage Foundation for Mother–Child Pharmacoepidemiology Research](#)

Abstract/Conclusion: Supplementing existing Medicaid claims data with birth certificate records complements administrative claims information and allows for detailed assessments of pregnancy exposures and policy changes on mother and child outcomes.

Title: [Child protection conference practice during COVID-19: reflections and experiences \(rapid consultation September–October 2020\) \(PDF\)](#)

Abstract/Conclusion: Child protection conferences (CPCs) are a key stage of the child protection system. This rapid consultation, conducted between September and October 2020, aims to explore how practice has changed during the COVID-19 pandemic, and the impact this has had on the children, families, and professionals involved. The consultation included an online survey and a series of interviews.

Title: [Measuring and mitigating child hunger in the UK \(PDF\)](#)

Abstract/Conclusion: Food insecurity, and particularly child hunger, has been a source of growing social and political concern for the best part of a decade. There are fears that COVID-19, and the economic shutdowns brought in its wake, will make it even worse. That has drawn substantial public attention to the issue – not least as a result of a high-profile campaign from Marcus Rashford and his Child Food Poverty Taskforce and subsequent changes in Government policy on support for children in England on free school meals through the school holidays.

Title: [No population left behind: improving pediatric drug safety using informatics and systems biology.](#)

Abstract/Conclusion: Adverse drugs effects (ADEs) in children are common and may result in disability and death. The current pediatric drug safety landscape, including clinical trials, is limited as it rarely includes children and relies on extrapolation from adults. Children are not small adults but go through an evolutionarily conserved and physiologically dynamic process of growth and maturation.

Title: [The Permanence and Care Excellence \(PACE\) programme: improvement in practice: leading positive change for children's services \(PDF\)](#)

Abstract/Conclusion: This report provides an insight into the Permanence and Care Excellence ('PACE') programme – a Quality Improvement programme underway from 2014-2020 which engaged with local authority partnerships in 27 of the 32 Scottish local authority areas. The programme was aimed at supporting local authority partnerships across Scotland to reduce permanence planning timescales for looked after infants, children and young people using a Quality Improvement framework.

Title: [Truth Project thematic report: child sexual abuse in healthcare contexts](#)

Abstract/Conclusion: The Truth Project is a core part of the Independent Inquiry into Child Sexual Abuse ('the Inquiry') alongside Public Hearings and Research. It was set up to hear and learn from the experiences of victims and survivors of child sexual abuse in England and Wales. It offers victims and survivors an opportunity to share experiences of child sexual abuse. With the consent of participants, the Inquiry uses Truth Project information in a variety of ways, including for ongoing research and data analysis carried out by the Inquiry's Research Team. By doing so, Truth Project participants make an important contribution to the work of the Inquiry.



Athens is required for off-site access to BMJ Best Practice

Topic: [Assessment of rash in children](#)

Topic: [Assessment of short stature](#)

Topic: Osteomyelitis

Topic: Tonsillitis

DynaMed Plus[®]

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No updates.

Paediatrics in the News

<https://www.england.nhs.uk/news/>

No updates.

Online Resources

BestBETs - BETs bring the evidence one step closer to the bedside, by providing answers to very specific clinical problems, using the best available evidence.

[British National Formulary \(BNCF\) for Children](#)

[Children and Young People](#) – Government Policy

[The Royal Marsden Manual of Clinical Procedures](#) – available via your Athens login

[NHS Choices](#) - Behind the Headlines – the latest newspaper headlines debunked.

Journals & table of contents alerts

The Clinical Librarian team can help set up table of content alerts to the journal of your choice.

[Archives of Disease in Childhood](#)

[Paediatrics and Child Health](#)

[BMC Pediatrics](#)

[Nursing Children and Young People](#)

[Pediatric Nursing](#)

[Pediatrics](#)



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[Impact of federal legislation on magnet ingestion in children \(December 2020\)](#)

[Tasimelteon for sleep disturbances in children with Smith-Magenis syndrome \(December 2020\)](#)

[Updated ACIP guidelines for meningococcal vaccine \(December 2020\)](#)

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