

## Paediatrics Evidence Update December 2022

Produced by the Clinical Librarian Service

To access resources click on the blue hyperlinks, if you are unable to read the full text of any item please contact the Clinical Librarian team or make an article request using [this form](#).

The Clinical Librarian team are here to help with evidence searches, current awareness and training with information seeking skills, critical appraisal and referencing. We can assist you remotely, at your place of work or in the library at the QuAD Centre.

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

You can contact us by email at [Clinical.Librarian@porthosp.nhs.uk](mailto:Clinical.Librarian@porthosp.nhs.uk) or call extension 6042.

Alternatively you can contact one of the team directly:

[Aaron.Razack@porthosp.nhs.uk](mailto:Aaron.Razack@porthosp.nhs.uk)

[Rebecca.Howes@portshosp.nhs.uk](mailto:Rebecca.Howes@portshosp.nhs.uk)

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**

[Click here to start search](#)  
(Intranet only)

Or [via OpenAthens](#)

 **UpToDate®**

[Click here to start search](#)  
(Intranet only)

Or [via OpenAthens](#)



**KnowledgeShare**

Would you like your own, tailored evidence updates? [Email the Clinical Librarian team](#) to receive bulletins every two weeks on the topics of your choice.

# Contents (click title to view)

NICE Guidance	Other Guidance
<a href="#">Cochrane Systematic Reviews</a>	<a href="#">Systematic reviews from other sources</a>
<a href="#">Cochrane clinical answers</a>	<a href="#">Primary Research</a>
<a href="#">BMJ Best Practice</a>	<a href="#">Paediatric health in the News</a>
<a href="#">Online Resources</a>	<a href="#">Electronic Journals</a>
<a href="#">UpToDate</a>	

**NICE**  
National Institute for  
Health and Care Excellence

## Most recent guidance published:

No updates.

---

## Other Guidance/Reports

No updates.

---



Systematic Reviews and Research Protocols

[Brain natriuretic peptide and N-terminal brain natriuretic peptide for the diagnosis of haemodynamically significant patent ductus arteriosus in preterm neonates](#)

[Family-centred interventions for Indigenous early childhood well-being by primary healthcare services](#)

[Homeopathic medicinal products for preventing and treating acute respiratory tract infections in children](#)

[Late \( \$\geq 7\$  days\) inhaled corticosteroids to reduce bronchopulmonary dysplasia in preterm infants](#)

[Paracetamol \(acetaminophen\) for patent ductus arteriosus in preterm or low birth weight infants](#)

---

# Systematic reviews from other sources

A systematic review and meta-analysis of the relationship between T-lymphocytes and respiratory tract infection in children.

A systematic review of adherence to iron chelation therapy among children and adolescents with thalassemia.

A Systematic Review of Factors Associated with Under-Five Child Mortality.

Antipsychotics in the Treatment of Children and Adolescents with Anorexia Nervosa: A Systematic Review.

Association between asthma and oral conditions in children and adolescents: a systematic review with meta-analysis.

Effect of a gluten-free diet on bone mineral density in children and adolescents with celiac disease: Systematic review and meta-analysis.

Fertility preservation for transgender children and young people in paediatric healthcare: a systematic review of ethical considerations.

Health Effects of Infant Formula Supplemented with Probiotics or Synbiotics in Infants and Toddlers: Systematic Review with Network Meta-Analysis.

High altitude pulmonary edema in children: A systematic review.

Incidence and characteristics of adverse events in paediatric inpatient care: a systematic review and meta-analysis.

Long-Term Effect of COVID-19 on Lung Imaging and Function, Cardiorespiratory Symptoms, Fatigue, Exercise Capacity, and Functional Capacity in Children and Adolescents: A Systematic Review and Meta-Analysis.

Performance of adenosine deaminase in detecting paediatric pleural tuberculosis: a systematic review and meta-analysis.

Post-operative colonic manometry in children with anorectal malformations: A systematic review.

Prevalence and clinical presentation of long COVID in children: a systematic review.

Pulmonary Function in Post-Infectious Bronchiolitis Obliterans in Children: A Systematic Review and Meta-Analysis.

Service Delivery Models for the Management of Pediatric and Adolescent Concussion: A Systematic Review.

Short-Course vs Long-Course Antibiotic Therapy for Children With Nonsevere Community-Acquired Pneumonia: A Systematic Review and Meta-analysis.

Systematic Review of Accelerated Long-term Forgetting in Children and Adolescents With Neuropediatric Diseases.

Systematic review of the effect of additional doses of oral rotavirus vaccine on immunogenicity and reduction in diarrhoeal disease among young children.

Systematic review with network meta-analysis on the treatments for latent tuberculosis infection in children and adolescents.

The impact of digital interventions on medication adherence in paediatric populations with attention deficit hyperactivity disorder, depression, and/or anxiety: A rapid systematic review and meta-analysis.

The impact of obesity epidemic on type 2 diabetes in children and adolescents: A systematic review and meta-analysis.

The role of vitamin D in the severity and control of asthma in children and adolescents: A protocol for systematic review and meta-analysis.

Understanding parent experiences of end-of-life care for children: A systematic review and qualitative evidence synthesis.



This month's clinical questions are...

How does fortification of salt with iron plus iodine compare with fortification of salt with iodine alone for improving iron and iodine status in children, adolescents, and adults?

---

## Primary Research

AIM2ACT: Randomized controlled trial protocol for a mobile health intervention for early adolescents with asthma.

Biometric recognition of newborns and young children for vaccinations and health care: a non-randomized prospective clinical trial.

Calcium use during paediatric in-hospital cardiac arrest is associated with worse outcomes

Clinical Characterization of Juvenile Fibromyalgia in a Multi-Center Cohort of Adolescents Enrolled in the FIT Teens Trial.

Effect of Neonatal Azithromycin on All-Cause and Cause-Specific Infant Mortality: A Randomized Controlled Trial.

Effects of immersive virtual reality for managing anxiety, nausea and vomiting among paediatric cancer patients receiving their first chemotherapy: An exploratory randomised controlled trial.

Effects of synbiotic supplementation on anthropometric indices and body composition in overweight or obese children and adolescents: a randomized, double-blind, placebo-controlled clinical trial.

Efficacy and tolerability of brivaracetam monotherapy in childhood and juvenile absence epilepsy: An innovative adaptive trial design.

Impact of physical activity on postural stability and coordination in children with posterior fossa tumor: randomized control phase III trial.

Safety and tolerability of short-term infusions of intravenous lacosamide in paediatric patients with epilepsy: An open-label, Phase 2/3 trial.

The effect of therapeutic drug monitoring of risperidone and aripiprazole on weight gain in children and adolescents: the SPACe 2: STAR (trial) protocol of an international multicentre randomised controlled trial.

The Greenlight Plus Trial: Comparative effectiveness of a health information technology intervention vs. health communication intervention in primary care offices to prevent childhood obesity.

Treatment of infant colic with craniosacral therapy. A randomized controlled trial.

---

**BMJ** Best Practice

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

Topic: [Acute lymphoblastic leukaemia](#)

Topic: [Acute pharyngitis](#)

(High rates of group A streptococcus infection in England)

Topic: [Acute pharyngitis](#)

Topic: [Amblyopia](#)

(High rates of group A streptococcus infection in England)

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

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

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

Topic: [Asthma in children](#)

Topic: [Astigmatism](#)

Topic: [Langerhans cell histiocytosis](#)

Topic: [Pediculosis capitis](#)

Topic: [Pulmonary stenosis](#)

Topic: [Retinoblastoma](#)

High rates of group A streptococcus infection in England

Topic: [Sepsis in children](#)

Topic: [Sepsis in children](#)

Topic: [Strabismus](#)

(High rates of group A streptococcus infection in England)

Topic: [Tonsillitis](#)

Topic: [Tonsillitis](#)

## Paediatrics in the News

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

[NHS surgeons safety plea after surge in kids swallowing dangerous objects](#)

---

## 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

---

## 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](#)

---

## National Institute for Health Research (NIHR)



[How to improve hospital care for children with learning disabilities](#)

---



Athens is required for off-site access to UpToDate

[Increasing invasive group A streptococcal infections among children in Europe](#)

[Initial target for parenteral protein intake in extremely low birthweight infants](#)

[Risk of drug overdose in young people prescribed benzodiazepines for sleep disorders](#)

[Screening for anxiety in children and adolescents](#)

[Xylazine adulteration of illicit drugs](#)

Want to see our [latest additions to book stock?](#) You can also request new books for the library, just email [anja.ankerstjerne@porthosp.nhs.uk](mailto:anja.ankerstjerne@porthosp.nhs.uk) with the text you want and purpose.