

Paediatrics Evidence Update March 2021

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 or call extension 6042.

Alternatively you can contact one of the team directly:

Aaron.Razack@porthosp.nhs.uk

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](#)

DynaMed Plus

[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
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:

[Secondary bacterial infection of eczema and other common skin conditions: antimicrobial prescribing \[NG190\]](#)

Other Guidance/Reports

No updates.



Systematic Reviews and Research Protocols

[High versus standard volume enteral feeds to promote growth in preterm or low birth weight infants](#)

[Interventions for self-harm in children and adolescents](#)

[Opioids for newborn infants receiving mechanical ventilation](#)

[Prophylactic antibiotics for preventing pneumococcal infection in children with sickle cell disease](#)

Systematic reviews from other sources

[Being cross pressured-parents' experiences of the transfer from paediatric to adult care services for their young people with long term conditions: A systematic review and qualitative research synthesis.](#)

Case report and systematic review suggest that children may experience similar long-term effects to adults after clinical COVID-19.

Controlling child feeding practices and child weight: A systematic review and meta-analysis.

COVID-19 Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection in children and adolescents: a systematic review of critically unwell children and the association with underlying comorbidities.

The evidence supporting the association between the use of pain scales and outcomes in hospitalized children: A systematic review.

Food parenting practices and children's weight outcomes: A systematic review of prospective studies.

Homeopathic Preparations for Preventing and Treating Acute Upper Respiratory Tract Infections in Children: A Systematic Review and Meta-Analysis.

Hypocalcemia prevention and management after thyroidectomy in children: A systematic review.

Management of intussusception in children: A systematic review.

Measurable residual disease in pediatric acute myeloid leukemia: a systematic review.

Myringoplasty without tympanomeatal flap elevation in children: A systematic review.

Normative data for optical coherence tomography in children: a systematic review.

Obesity in young children and its relationship with diagnosis of asthma, vitamin D deficiency, iron deficiency, specific allergies and flat-footedness: A systematic review and meta-analysis.

Outcome of pediatric acute myeloid leukemia (AML) in low- and middle-income countries: a systematic review of the literature.

Outcomes following admission to paediatric intensive care: A systematic review.

Parents' Experiences and Information Needs While Caring for a Child With Functional Constipation: A Systematic Review.

Pediatric choroid plexus papilloma arising from the cerebellopontine angle: systematic review with illustrative case.

Prevalence, incidence, length of stay and cost of healthcare-acquired pressure ulcers in pediatric populations: A systematic review and meta-analysis.

Prophylactic acid suppressants in children in the intensive care unit: a systematic review with meta-analysis and trial sequential analysis.

Safety of clonidine used for long-term sedation in paediatric intensive care: A systematic review.

Systematic review and single-centre toxicology study identified analgesics and benzodiazepines as the main causes of paediatric medication poisoning.

Treatment strategies for anterior cutaneous nerve entrapment syndrome in children: A systematic review.

What assessments are currently used to investigate and diagnose cerebral visual impairment (CVI) in children? A systematic review.

For children with chronic suppurative otitis media, what are the effects of aural toileting?

For preterm infants receiving human milk, how do individualized and standard fortification diets compare?

How do different head positions during nursing compare for improving outcomes for preterm infants?

How does home fortification of foods with multiple micronutrient powder (MNP) compare with no intervention/placebo for children under two years of age?

What are the effects of different protein concentrations of human milk fortifier for promoting growth and neurological development in preterm infants?

What is the accuracy of diagnostic tests for autism spectrum disorder in preschool children?

When handwashing outside hospitals is promoted, does this have any effect on the incidence of diarrhea in children?

Primary Research

Title: [Attending to neglect: using metaphors and explanatory chains to reframe child neglect in the United Kingdom \(PDF\)](#)

Title: [Effect of Blinatumomab vs Chemotherapy on Event-Free Survival Among Children With High-risk First-Relapse B-Cell Acute Lymphoblastic Leukemia: a Randomized Clinical Trial](#)

Abstract/Conclusion: Among children with high-risk first-relapse B-ALL, treatment with 1 cycle of blinatumomab compared with standard intensive multidrug chemotherapy before allogeneic hematopoietic stem cell transplant resulted in an improved event-free survival at a median of 22.4 months of follow-up.

Title: [Height by deprivation decile in children aged 10 to 11](#)

Abstract/Conclusion: Ad-hoc analysis of child (aged 10 to 11 years) height by deprivation and ethnic group, calculated from the National Child Measurement Programme (NCMP).

Title: [Involving caregivers in design and assessment of opioid risk and safety communication intervention in children.](#)

Abstract/Conclusion: This study reports pediatric caregivers' perspectives and expectations about opioid consults which provide guidance for pharmacists to facilitate open and informative counseling for opioid medications.

Title: [Prescribing Patterns and Impact of Factors Associated with Time to Initial Biologic Therapy among Children with Non-systemic Juvenile Idiopathic Arthritis.](#)

Abstract/Conclusion: There was a substantial increase in the proportion of patients receiving the combination of methotrexate and adalimumab among patients receiving combination therapy. Adalimumab overtook etanercept as the most frequently prescribed bDMARD. Multiple factors affect the time to biologic initiation, including the number of joints with limited range of motion, ESR, and JIA category

Title: [Reducing Opioid Doses Prescribed From a Pediatric Emergency Department](#)

Abstract/Conclusion: We decreased opioid doses prescribed weekly from the pediatric ED by 91% while minimizing return visits and reports of poor pain control.

Title: [Use of Pediatric Injectable Medicines Guidelines and Associated Medication Administration Errors: A Human Reliability Analysis](#)

Abstract/Conclusion: Discrepancies during the use of an online injectable medicines guideline were often associated with subsequent MAEs, including those with potentially significant consequences. This highlights the need to test the usability of guidelines before clinical use.

BMJ Best Practice

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

Topic: [Acute asthma exacerbation in children](#)

Topic: [Beta-thalassaemia](#)

Topic: [Bulimia nervosa](#)

Topic: [Muscular dystrophies](#)

Topic: [Slipped capital femoral epiphysis](#)

Topic: [Type 1 diabetes](#)

DynaMed Plus

Athens is required for off-site access to DynamedPlus

No updates.

Paediatrics in the News

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

[NHS England strikes deal on life-saving gene-therapy drug that can help babies with rare genetic disease move and walk](#)

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)



**National Institute for
Health Research**

[Digital games, apps and e-therapy show promise for helping children manage obesity, anxiety and other long-term conditions](#)



Athens is required for off-site access to UpToDate

[Blood culture monitoring in children with Staphylococcus aureus bacteremia](#)

[CFTR modulator therapy for advanced cystic fibrosis-related lung disease](#)

[Clinical features of MIS-C compared with severe acute COVID-19 in children and adolescents](#)

[Combined therapy with IVIG plus glucocorticoids in pediatric patients with MIS-C](#)

[Emollients for the prevention of atopic dermatitis and food allergy in children](#)

[Physical distancing and SARS-CoV-2 transmission in schools](#)

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