

## Paediatrics Evidence Update August 2020

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.



[Click here to access on site](#)

[Click here to access from home with OpenAthens](#)



[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="#">DynamedPlus</a>
<a href="#">Paediatric health in the News</a>	<a href="#">Online Resources</a>
<a href="#">Electronic Journals</a>	



## Most recent guidance published:

[COVID-19 rapid guideline: children and young people who are immunocompromised \[NG174\]](#)

---

## Other Guidance/Reports

[Faltering growth \[QS197\]](#)

---



Systematic Reviews and Research Protocols

[Fat supplementation of human milk for promoting growth in preterm infants](#)

[Interventions for escalation of therapy for acute exacerbations of asthma in children: an overview of Cochrane Reviews](#)

[Stem cell-based interventions for the prevention of morbidity and mortality following hypoxic-ischaemic encephalopathy in newborn infants](#)

[Surgical interventions for primary congenital glaucoma](#)

[Xpert MTB/RIF and Xpert MTB/RIF Ultra assays for active tuberculosis and rifampicin resistance in children](#)

---

## Systematic reviews from other sources

Breakfast Characteristics and Their Association with Energy, Macronutrients, and Food Intake in Children and Adolescents: A Systematic Review and Meta-Analysis

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

Dietary fibre intakes in childhood or adolescence and subsequent health outcomes: systematic review of prospective observational studies

Does non-invasive ventilation change metabolic markers in children with obstructive sleep apnoea? A systematic review and meta-analysis study protocol.

The Effectiveness of Hippotherapy to Recover Gross Motor Function in Children with Cerebral Palsy: A Systematic Review and Meta-Analysis

Efficacy and Safety of Pegylated Interferon for the Treatment of Chronic Hepatitis B in Children and Adolescents: A Systematic Review and Meta-analysis

Evaluation of Physical Activity and Lifestyle Interventions Focused on School Children with Obesity Using Accelerometry: A Systematic Review and Meta-Analysis.

Harnessing Phones to Target Pediatric Populations with Socially Complex Needs: Systematic Review

The information needs of parents of children with early-onset epilepsy: 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

Online Health Information Seeking by Parents for Their Children: Systematic Review and Agenda for Further Research.

Outcome measures for airway clearance techniques in children with chronic obstructive lung diseases: a systematic review

Physical activity and low back pain in children and adolescents: a systematic review

Practitioner Review: Pharmacological treatment of attention-deficit/hyperactivity disorder symptoms in children and youth with autism spectrum disorder: a systematic review and meta-analysis

Pseudoaneurysm of the mitral-aortic intervalvular fibrosa following endocarditis and aortic valve surgery in an infant-Case report and exhaustive systematic review of pediatric cases

Physical Activity Among Immigrant Children: A Systematic Review

A systematic review of studies that measure parental vaccine attitudes and beliefs in childhood vaccination

Systematic review with meta-analysis: the efficacy and safety of direct-acting antivirals in children and adolescents with chronic hepatitis C virus infection

Ultrasonographic Optic Nerve Sheath Diameter Measurement to Detect Intracranial Hypertension in Children With Neurological Injury: A Systematic Review

---

[How do resin fissure sealants compare with fluoride varnish for preventing dental decay in children and adolescents?](#)

[How does early compare with late parenteral nutrition for critically ill term and late preterm infants?](#)

[How does zinc supplementation compare with placebo for promoting growth in infants before six months of age?](#)

[What are the effects of multi-nutrient fortification of human milk for preterm infants?](#)

---

## Primary Research

**Title:** [Babies in lockdown: listening to parents to build back better](#)

**Abstract/Conclusion:** Lockdown has been disruptive and challenging for everyone. Our survey reveals the disproportionate impact of COVID-19 and subsequent measures on those pregnant, giving birth or at home with a baby or toddler. For generations, no other group of parents has had to navigate pregnancy, birth and beyond under such extraordinary circumstances.

**Title:** [Children's Oncology Group AALL0434: A Phase III Randomized Clinical Trial Testing Nelarabine in Newly Diagnosed T-Cell Acute Lymphoblastic Leukemia](#)

**Abstract/Conclusion:** The addition of nelarabine to ABFM therapy improved DFS for children and young adults with newly diagnosed T-ALL without increased toxicity.

**Title:** [Clinical characteristics of children and young people admitted to hospital with covid-19 in United Kingdom: prospective multicentre observational cohort study](#)

**Abstract/Conclusion:** Children and young people have less severe acute covid-19 than adults. A systemic mucocutaneous-enteric symptom cluster was also identified in acute cases that shares features with MIS-C. This study provides additional evidence for refining the WHO MIS-C preliminary case definition. Children meeting the MIS-C criteria have different demographic and clinical features depending on whether they have acute SARS-CoV-2 infection (polymerase chain reaction positive) or are post-acute (antibody positive).

**Title:** [Effect of Vitamin D3 Supplementation on Severe Asthma Exacerbations in Children With Asthma and Low Vitamin D Levels: The VDKA Randomized Clinical Trial](#)

**Abstract/Conclusion:** Among children with persistent asthma and low vitamin D levels, vitamin D3 supplementation, compared with placebo, did not significantly improve the time to a severe asthma exacerbation. The findings do not support the use of vitamin D3 supplementation to prevent severe asthma exacerbations in this group of patients.

**Title:** [Experiences of child and adolescent to parent violence in the Covid-19 pandemic](#)

**Abstract/Conclusion:** C/APV is a thorny problem which has at its heart a tension between the recognition of parents as victims of sometimes severe levels of abuse, who need their experiences to be taken seriously and safeguarding measures put in place, and the simultaneous recognition of the vulnerabilities and age of children who engage in violence towards their parents. This makes responding to C/APV difficult in 'normal' circumstances, but many of these problems are magnified in a pandemic.

**Title:** [New-Onset Type 1 Diabetes in Children During COVID-19: Multicenter Regional Findings in the U.K.](#)

**Abstract/Conclusion:** Data on new-onset type 1 diabetes during the coronavirus disease 2019 (COVID-19) pandemic, particularly in children, is limited. A recent U.S. multicenter study reported outcomes in sixty-four adults and children with type 1 diabetes, and confirmed or suspected COVID-19. However, only six patients presented with new-onset type 1 diabetes.

**Title:** [A Pediatric Hospital Policy for Medical Marijuana Use.](#)

**Abstract/Conclusion:** Most US states have now legalized medical marijuana (MMJ) use, giving new hope to families dealing with chronic illness, despite only limited data showing efficacy. Access to MMJ has presented several challenges for patients and families, providers, and pediatric hospitals, including the discrepancy between state and federal law, potential patient safety issues, and drug interaction concerns.

**Title:** [Pediatric pharmacists' perspectives on essential skills and activities for community pharmacists caring for pediatric patients: A mixed-methods study](#)

**Abstract/Conclusion:** We present a collated and prioritized list of practical approaches for pharmacists to use when caring for pediatric patients across the spectrum of practice.

**Title:** [Randomized Trial of Closed-Loop Control in Children with Type 1 Diabetes](#)

**Abstract/Conclusion:** In this 16-week trial involving children with type 1 diabetes, the glucose level was in the target range for a greater percentage of time with the use of a closed-loop system than with the use of a sensor-augmented insulin pump.

**Title:** [The safety net is gone: understanding the impact of child poverty on the lives of children and families in England](#)

**Abstract/Conclusion:** Social workers told us that the vast majority of the families they work with are living in poverty. Families are experiencing food insecurity, homelessness, an inability to keep warm and stress associated with debt issues on a regular basis. Nearly all respondents (94 per cent) told us that the prevalence and severity of poverty experienced by families they work with has increased in recent years.

---

The logo for BMJ Best Practice, featuring the letters 'BMJ' in a bold, white font on a blue rectangular background, followed by the words 'Best Practice' in a white, sans-serif font on a white background.

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

**Topic:** [Acne vulgaris](#)

**Topic:** [Alport's syndrome](#)

**Topic:** [Atypical pneumonia \(non-COVID-19\)](#)

**Topic:** [Cleft lip and palate](#)

---

The logo for DynaMed Plus, featuring the words 'DynaMed Plus' in a green, sans-serif font. The 'D' is significantly larger than the other letters.

Athens is required for off-site access to DynamedPlus

No updates.

---

[Back to top](#)

## 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](#)

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](mailto:Jane.Ankerstjerne@porthosp.nhs.uk) with the text you want and purpose.