

## Paediatrics Evidence Update February 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.

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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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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.

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## Most recent guidance published:

[COVID-19 rapid guideline: managing COVID-19 \[NG191\]](#)

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## Other Guidance/Reports

[Palforzia for treating peanut allergy in children and young people \[TA769\]](#)

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Systematic Reviews and Research Protocols

[Binocular versus standard occlusion or blurring treatment for unilateral amblyopia in children aged three to eight years](#)

[Interventions for the management of transient tachypnoea of the newborn - an overview of systematic reviews](#)

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## Systematic reviews from other sources

[Anxiety and Depression Symptoms in Children and Adolescents Who Stutter: A Systematic Review and Meta-Analysis.](#)

[Brachytherapy in paediatric craniopharyngiomas: a systematic review and meta-analysis of recent literature.](#)

Clozapine for Management of Childhood and Adolescent-Onset Schizophrenia: A Systematic Review and Meta-Analysis.

Combined effects of levetiracetam and sodium valproate on paediatric patients with epilepsy: a systematic review and meta-analysis.

Comparative efficacy of anaesthetic methods for closed reduction of paediatric forearm fractures: a systematic review.

Developmental delay in infants and toddlers with sickle cell disease: a systematic review.

Diamorphine pharmacokinetics and conversion factor estimates for intranasal diamorphine in paediatric breakthrough pain: systematic review.

Digital Health Interventions for Weight Management in Children and Adolescents: Systematic Review and Meta-analysis.

Effect of asthma education on health outcomes in children: a systematic review.

The effectiveness of e-health interventions for the treatment of overweight or obesity in children and adolescents: A systematic review and meta-analysis.

Incidence and prevalence of pressure injuries in children patients: A systematic review and meta-analysis.

Melatonin for pre-medication in children: a systematic review.

Mitochondrial Disease and Hearing Loss in Children: A Systematic Review.

Outdoor particulate matter exposure and upper respiratory tract infections in children and adolescents: A systematic review and meta-analysis.

Paediatric chronic pain prevalence in low- and middle-income countries: A systematic review and meta-analysis.

Paracetamol (acetaminophen) use in infants and children was never shown to be safe for neurodevelopment: a systematic review with citation tracking.

Prevalence and risk associated with asthma in children hospitalized with SARS-CoV-2: a meta-analysis and systematic review.

Prevalence of paediatric hyperinflammatory conditions in paediatric and adolescent hospitalized COVID-19 patients: a systematic review and meta-analysis.

Presentation and aetiology of paediatric trigger finger: a systematic review.

Surgical outcomes in paediatric lateral condyle non-union: A systematic review and meta-analysis.

A Systematic Review and Pooled Prevalence of Delirium in Critically Ill Children.

A systematic review of invasive pneumococcal disease vaccine failures and breakthrough with higher-valency pneumococcal conjugate vaccines in children.

Visual system and motor development in children: a systematic review.

What are the perspectives of speech pathologists, occupational therapists and physiotherapists on using telehealth videoconferencing for service delivery to children with developmental delays? A systematic review of the literature.

Which children and young people are at higher risk of severe disease and death after hospitalisation with SARS-CoV-2 infection in children and young people: A systematic review and individual patient meta-analysis.

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This month's clinical questions are...

How do short feeding intervals compare with long feeding intervals for bolus feedings in very preterm infants?

How does feedback to people receiving care and/or healthcare professionals of patient-reported outcome measures (PROMs) impact outcomes of care?

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## Primary Research

Allergy to Peanuts imPActing Emotions And Life (APPEAL): The impact of peanut allergy on children, teenagers, adults and caregivers in the UK and Ireland

Borrowing information across patient subgroups in clinical trials, with application to a paediatric trial

Comparing ivWatch biosensor to standard care to identify extravasation injuries in the paediatric intensive care: a protocol for a randomised controlled trial

Consumption and effects of caffeinated energy drinks in young people: an overview of systematic reviews and secondary analysis of UK data to inform policy

Individualised dosing of anti-thymocyte globulin in paediatric unrelated allogeneic haematopoietic stem-cell transplantation (PARACHUTE): a single-arm, phase 2 clinical trial.

JCVI update on advice for COVID-19 vaccination of children aged 5 to 11

Lacticaseibacillus rhamnosus GG DSM 33156 effects on pathogen defence in the upper respiratory tract: a randomised, double-blind, placebo-controlled paediatric trial

Physical activity guidelines for disabled children and disabled young people: methodology  
Physical activity in disabled children and disabled young people: evidence review

Probiotic peanut oral immunotherapy versus oral immunotherapy and placebo in children with peanut allergy in Australia (PPOIT-003): a multicentre, randomised, phase 2b trial

Reported cases of multisystem inflammatory syndrome in children aged 12–20 years in the USA who received a COVID-19 vaccine, December, 2020, through August, 2021: a surveillance investigation

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Topic: [Eustachian tube dysfunction](#)

Topic: [Medulloblastoma](#)

Topic: [Premature newborn care](#)

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## Paediatrics in the News

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

[First young children now taking life-changing cystic fibrosis treatment on NHS](#)

[NHS invites 12-15s to grab a job at half term](#)

[NHS launches online platform to empower patients as they wait for care](#)

[NHS offers jobs at hundreds of schools as double jabbed 12 to 15s tops three quarters of a million](#)

[NHS to roll out life-saving gene therapy for rare disease affecting babies](#)

[Therapy dog sessions and a mini toy town help kids grab a job at half term](#)

[Youngest proton beam patient marks three year NHS milestone](#)

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## 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

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## 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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## National Institute for Health Research (NIHR)



No updates.

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Athens is required for off-site access to UpToDate

[Alternative birthing practices to avoid](#)

[COVID-19 vaccination improves outcomes of infected pregnant patients](#)

[COVID-19 vaccination in pregnancy improves infant outcomes](#)

[Duration of anticoagulation for low-risk provoked venous thromboembolism in pediatric patients](#)

[Morbidity of high-powered magnet ingestion](#)

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