

Paediatrics Evidence Update September 2021

Produced by the Clinical Librarian Service

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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.

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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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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	Paediatric health in the News
Online Resources	Electronic Journals
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Most recent guidance published:

No updates.

Other Guidance/Reports

No updates.



Systematic Reviews and Research Protocols

[Continuing education meetings and workshops: effects on professional practice and healthcare outcomes](#)

[Interventions in outside-school hours childcare settings for promoting physical activity amongst schoolchildren aged 4 to 12 years](#)

[Non-pharmacological interventions for stuttering in children six years and younger](#)

[School-based physical activity programs for promoting physical activity and fitness in children and adolescents aged 6 to 18](#)

[Whole-cell pertussis vaccine in early infancy for the prevention of allergy in children](#)

Systematic reviews from other sources

Ambient pollen concentrations and asthma hospitalization in children and adolescents: a systematic review and meta-analysis.

Antimicrobial resistance in paediatric *Streptococcus pneumoniae* isolates amid global implementation of pneumococcal conjugate vaccines: a systematic review and meta-regression analysis.

The Assessment of Functional Movement in Children and Adolescents: A Systematic Review and Meta-Analysis.

Associations between body mass index and height during childhood and adolescence and the risk of coronary heart disease in adulthood: A systematic review and meta-analysis.

Association between cerebral perfusion and paediatric postoperative cerebellar mutism syndrome after posterior fossa surgery-a systematic review.

Bidirectional associations between sleep quality or quantity, and dietary intakes or eating behaviors in children 6-12 years old: a systematic review with evidence mapping.

Bone health in children and youth with ASD: a systematic review and meta-analysis.

Comparison of intra- and extra-corporeal laparoscopic hernia repair in children: A systematic review and pooled data-analysis.

Comparison of microbiota in the upper versus lower respiratory tract in children during health and respiratory disease: protocol for a systematic review.

Coronavirus disease 2019 (COVID-19): A systematic review of 133 Children that presented with Kawasaki-like multisystem inflammatory syndrome.

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

Diagnostic value of biomarkers for paediatric urinary tract infections in primary care: systematic review and meta-analysis.

Exposure to pesticides and childhood leukemia risk: A systematic review and meta-analysis.

Extended or Continuous Infusion of Carbapenems in Children with Severe Infections: A Systematic Review and Narrative Synthesis.

Hearing Loss Diagnosis and Early Hearing-Related Interventions in Infants With or at High Risk for Cerebral Palsy: A Systematic Review.

Management of asthma exacerbations in the paediatric population: a systematic review.

Mental health after paediatric concussion: a systematic review and meta-analysis.

Non-pharmacological Treatment for Children With Functional Constipation: A Systematic Review and Meta-analysis.

Nursing interventions to reduce medication errors in paediatrics and neonates: Systematic review and meta-analysis.

Operative versus non-operative management of blunt pancreatic trauma in children: Systematic review and meta-analysis.

Pain medication use for musculoskeletal pain among children and adolescents: a systematic review.

Physical Impairment and Function in Children and Adolescents with Sickle Cell Disease: A Systematic Review.

Prevalence of electronic nicotine delivery systems and electronic non-nicotine delivery systems in children and adolescents: a systematic review and meta-analysis.

Re-fractures of the paediatric radius and/or ulna: A systematic review.

Systematic Review: Clinical Symptoms and Laboratory and Radiology Findings in Children with COVID-19.

A Systematic Review of the Prospective Relationship between Child Maltreatment and Chronic Pain. Telemedicine in paediatric emergency care: A systematic review.

Thrombotic risk in children with COVID-19 infection: A systematic review of the literature.

Venous Thromboembolism in Pediatric Cancer Patients with Central Venous Catheter-A Systematic Review and Meta-analysis.

The virome in early life and childhood and development of islet autoimmunity and type 1 diabetes: A systematic review and meta-analysis of observational studies.

Vitamin D level and fractures in children and adolescents: a systematic review and meta-analysis.



This month's clinical questions are...

For newborn infants with opioid withdrawal, how does morphine compare with methadone, buprenorphine, phenobarbital, and chlorpromazine?

How do high- and standard-volume fortified enteral feeds compare for improving outcomes in preterm or low birthweight infants?

What are the effects of psychosocial interventions for children and adolescents living in low- and middle-income countries affected by humanitarian crises?

What are the effects of push versus gravity for intermittent bolus gavage tube feeding of premature and low birth weight infants?

Which interventions improve vaccination uptake among adolescents?

Primary Research

Access to palivizumab among children at high risk of respiratory syncytial virus complications in English hospitals.

Behavioral Health Risk Factors for Nonmedical Prescription Opioid Use in Adolescence.

Daily testing for contacts of individuals with SARS-CoV-2 infection and attendance and SARS-CoV-2 transmission in English secondary schools and colleges: an open-label, cluster-randomised trial

Hearing Loss After Radiation and Chemotherapy for CNS and Head-and-Neck Tumors in Children

Regulating pediatric off-label uses of medicines in the EU and USA: challenges and potential solutions : Comparative regulation framework of off label prescriptions in pediatrics: a review.

The state of child poverty 2021: the ongoing impact of COVID-19 on families and young people living in poverty (PDF)

Willingness of children and adolescents to have a COVID-19 vaccination: Results of a large whole schools survey in England

BMJ Best Practice

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

Topic: [Acute varicella-zoster](#)

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

Topic: [Mumps](#)

Topic: [Sepsis in children](#)

Topic: [Spina bifida and neural tube defects](#)

Topic: [Tourette's syndrome](#)

Paediatrics in the News

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

[Half of all 16 and 17-year-olds receive life-saving COVID vaccine](#)

[NHS rolls out COVID-19 jab to children aged 12 to 15](#)

[People aged 16 and 17 urged to get lifesaving COVID vaccine as NHS bookings open](#)

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**

[Schoolchildren who switch to walking or cycling may have a healthier body weight](#)

[What support do young people affected by adverse childhood experiences need?](#)

[Why don't teenagers seek help for anxiety and depression?](#)

[Working in partnership with a British South Asian community could improve control of children's asthma](#)



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[Childhood obesity during the COVID-19 pandemic](#)

[Delta variant associated with increased COVID-19 hospitalizations in children](#)

[Sleep problems in children with ADHD during the COVID-19 pandemic](#)

[Updated ACIP guidance on influenza vaccination in the United States](#)

[Updated diagnostic criteria for neurofibromatosis type 1](#)

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