A nurse's introduction to attention deficit hyperactivity disorder.
[Attention deficit hyperactivity disorder (ADHD) is currently one of the most prevalent neurodevelopmental psychiatric diagnoses for children and young people in the UK. An NHS series of surveys completed by Forbes et al (2018) found a ‘hyperactivity disorder’ diagnosis rate of 1.6% for children aged between 5 and 19 years. This is much lower than the estimated worldwide diagnostic rate of 5–7% in children and adolescents and did not capture the 47.4% persistence rate into adulthood.]
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Application of the New Centers for Disease Control and Prevention Surveillance Criteria for Ventilator-Associated Events to a Cohort of PICU Patients Identifies Different Patients Compared With the Previous Definition and Physician Diagnosis.
Ziegler KM. *Critical Care Medicine* 2019;47(7):e547-e554.
[We sought to compare the performance of the 2008 Centers for Disease Control and Prevention Pediatric criteria for ventilator-associated pneumonia, the 2013 Adult Ventilator-Associated Condition criteria, the new Draft Pediatric Ventilator-Associated Condition criteria, and physician-diagnosed ventilator-associated pneumonia in a cohort of PICU patients.]

Association of Blood Component Ratios With 24-Hour Mortality in Injured Children Receiving Massive Transfusion.
Butler EK. *Critical Care Medicine* 2019;47(7):975-983.
[To determine if higher fresh frozen plasma and platelet to packed RBC ratios are associated with lower 24-hour mortality in bleeding pediatric trauma patients.]

Association of Sexting With Sexual Behaviors and Mental Health Among Adolescents: A Systematic Review and Meta-analysis.
[A meta-analysis of 23 studies comprising 41 723 participants found that adolescent sexting is significantly associated with sexual activity, multiple sexual partners, lack of contraception use, delinquent behavior, internalizing problems, and substance use. The associations between sexting and multiple sexual partners, drug use, smoking, and internalizing problems were stronger in younger compared with older adolescents.]
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**Associations of child and adolescent anxiety with later alcohol use and disorders: a systematic review and meta-analysis of prospective cohort studies.** [Review]


[Evidence to date is suggestive, but far from conclusive of a positive association between anxiety during childhood and adolescence and subsequent alcohol use disorder.]

*Freely available online*

**Astigmatism and its components in 12-year-old Chinese children: the Anyang Childhood Eye Study.**


[The purpose of this study was to determine prevalence of refractive (RA), corneal (CA) and internal astigmatism (IA), including variation with gender and spherical equivalent refraction (SE), in a population of 12-year-old Chinese children.]

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**Change in Mortality of Generalized Convulsive Status Epilepticus in High-Income Countries Over Time: A Systematic Review and Meta-analysis.**


[This systematic review and meta-analysis of 61 SE studies conducted between 1990 and 2017 did not demonstrate definitive evidence of improved SE prognosis over time.]

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**Diversity of practices in telerehabilitation for children with disabilities and effective intervention characteristics: results from a systematic review.**


[Despite a great variety in practices, telerehabilitation might be as effective as face-to-face interventions, across disciplines, for a variety of clinical outcomes. Telerehabilitation might be more effective when coaching approaches are used, especially to achieve outcomes related to children’s behavior or parental skills.]

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**Duration of Treatment Effect of Extracorporeal Shock Wave on Spasticity and Subgroup-Analysis According to Number of Shocks and Application Site: A Meta-Analysis.**


[ESWT effectively reduced spasticity levels measured with MAS regardless of patient group. Its effect maintained for 12 weeks. The number of shocks or site of application had no significant influence on the therapeutic effect of ESWT in reducing spasticity. Ongoing trials with ESWT are needed to address optimal parameters of shock wave to reduce spasticity regarding intensity, frequency, and numbers.]

*Freely available online*

**Effect of passive exposure to cigarette smoke on blood pressure in children and adolescents: a meta-analysis of epidemiologic studies.**

Both active and passive cigarette smoking were not associated with developing hypertension in children and adolescents. However, passive cigarette smoke was associated with higher level of systolic blood pressure in children and adolescents.

Freely available online

**Effectiveness of paediatric occupational therapy for children with disabilities: A systematic review.**

Thirty percent of the indications assessed were graded 'do it' (Green Go); 56% 'probably do it' (Yellow Measure); 10% 'probably don't do it' (Yellow Measure); and 4% 'don't do it' (Red Stop). Evidence supports 40 intervention indications. Yellow light interventions should be accompanied by a sensitive outcome measure to monitor progress and red light interventions could be discontinued because effective alternatives existed.

Freely available online

**Family therapy approaches for anorexia nervosa.**
Fisher CA. *Cochrane Database of Systematic Reviews* 2019;5:CD004780.

'Family therapy approaches' indicate a range of approaches, derived from different theories, that involve the family in treatment. We have included therapies developed on the basis of dominant family systems theories, approaches that are based on or broadly similar to the family-based therapy derived from the Maudsley model, approaches that incorporate a focus on cognitive restructuring, as well as approaches that involve the family without articulation of a theoretical approach.

**Fortification of staple foods with vitamin A for vitamin A deficiency.**
Hombali AS. *Cochrane Database of Systematic Reviews* 2019;5:CD010068.

Vitamin A deficiency is a significant public health problem in many low- and middle-income countries, especially affecting young children, women of reproductive age, and pregnant women. Fortification of staple foods with vitamin A has been used to increase vitamin A consumption among these groups.

**Incidence, management and outcome of raised intraocular pressure in childhood-onset uveitis at a tertiary referral centre.**

The purpose of this study was to investigate the incidence, management and outcome of uveitis and raised intraocular pressure (IOP) in children treated at the Manchester Uveitis Clinic (MUC).

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**Influence of commissioned provider type and deprivation score on uptake of the childhood flu immunization.**
Christensen H. *Journal of Public Health* 2019;fdz060.

Study finds that school-based programmes achieve the highest and most consistent rates of childhood influenza vaccination. Interventions are still needed to promote more equitable uptake of the childhood influenza vaccine.

Freely available online
International survey of De-implementation of initiating parenteral nutrition early in Paediatric intensive care units.
[Initiating parenteral nutrition (PN) within 24 h in critically ill children is inferior to withholding PN during the first week, as was found in the PEPaNiC study. The aims of this study were to investigate de-implementation of early initiation of PN at PICUs worldwide, and to identify factors influencing de-implementation.]

Intraoperative lagophthalmos formula for levator resection in congenital ptosis.
[The purpose of this study was to calculate a regression formula for intraoperative lagophthalmos to determine the amount of correction in levator resection for mild to moderate congenital ptosis.] *Available with an NHS OpenAthens password for eligible users*

Key concepts in children’s footwear research: a scoping review focusing on therapeutic footwear.
[Based on the findings of this review the authors suggest the term children’s therapeutic footwear be used as the standard definition for footwear that is designed specifically with the purpose to support or alleviate mobility impairment in childhood; with subgroupings of corrective, accommodative and functional dependent on the intended therapeutic role.] *Freely available online*

Medical interventions for the prevention of platinum-induced hearing loss in children with cancer.
von As JW. *Cochrane Database of Systematic Reviews* 2019;5:CD009219.
[Platinum-based therapy, including cisplatin, carboplatin, oxaliplatin or a combination of these, is used to treat a variety of paediatric malignancies. One of the most significant adverse effects is the occurrence of hearing loss or ototoxicity. In an effort to prevent this ototoxicity, different otoprotective medical interventions have been studied. This review is the third update of a previously published Cochrane Review.]

Population-level impact and herd effects following the introduction of human papillomavirus vaccination programmes: updated systematic review and meta-analysis.
[This updated systematic review and meta-analysis includes data from 60 million individuals and up to 8 years of post-vaccination follow-up. Our results show compelling evidence of the substantial impact of HPV vaccination programmes on HPV infections and CIN2+ among girls and women, and on anogenital warts diagnoses among girls, women, boys, and men. Additionally, programmes with multi-cohort vaccination and high vaccination coverage had a greater direct impact and herd effects.] *Contact the library for a copy of this article*

Preventive lipid-based nutrient supplements given with complementary foods to infants and young children 6 to 23 months of age for health, nutrition, and developmental outcomes.
Das JK. *Cochrane Database of Systematic Reviews* 2019;5:CD012611.
[To assess the effects and safety of preventive lipid-based nutrient supplements given with complementary foods on health, nutrition and developmental outcomes of non-hospitalised infants and children six to 23 months of age, and whether or not they are more effective than other foods (including fortified blended foods or micronutrient powders). This review did not assess the effects of LNS as supplementary foods or therapeutic foods in the management of moderate and severe acute malnutrition.]

**Ready-to-use therapeutic food (RUTF) for home-based nutritional rehabilitation of severe acute malnutrition in children from six months to five years of age.**

Schoonees A. Cochrane Database of Systematic Reviews 2019;5:CD009000.  
[In-hospital rehabilitation of children with severe acute malnutrition is not always desirable or practical - especially in rural settings - and home-based care can offer a better solution. Ready-to-use therapeutic food (RUTF) is a widely used option for home-based rehabilitation, but the findings of our previous review were inconclusive.]

**Should there be compulsory childhood immunisation?**

[The author considers whether childhood immunisation should be made compulsory or left to parental choice.]

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**The association between maternal body mass index and child obesity: A systematic review and meta-analysis.**

Heslehurst N. PLOS Medicine 2019; doi.org/10.1371/journal.pmed.1002817.  
[This research has identified a 264% increase in the odds of child obesity when mothers have obesity before conception. This study provides substantial evidence for the need to develop interventions that commence prior to conception, to support women of childbearing age with weight management in order to halt intergenerational obesity.]

*Freely available online*

**Treatment of obesity, with a dietary component, and eating disorder risk in children and adolescents: A systematic review with meta-analysis.**

Jebeile H. Obesity Reviews 2019; doi.org/10.1111/obr.12866.  
[This review aimed to investigate the impact of obesity treatment, with a dietary component, on eating disorder (ED) prevalence, ED risk, and related symptoms in children and adolescents with overweight or obesity. Structured and professionally run obesity treatment was associated with reduced ED prevalence, ED risk, and symptoms.]

*Freely available online*

**Books**

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**Cognitive behaviour therapy for children and families.**
Graham, Philip & Reynolds, Shirley (editors). 3rd ed.. Cambridge University Press. 2013. [2013 third edition of this standard text. Includes coverage of low intensity treatment methods with families, the use of new technologies to deliver CBT, the development of mindfulness techniques for children and the use of CBT with minority ethnic groups.]

Available with free registration

OCD: tools to help young people fight back: a CBT manual for therapists.
Cynthia Turner, Georgina Krebs and Chloë Volz, illustrated by Lisa Jo Robinson. Jessica Kingsley Publishers. 2019. [This manual from the Maudsley OCD service guides therapists through the process of treating young people with the disorder and supporting their families. It features an evidence-based treatment based on CBT and Exposure and Response Prevention techniques. It provides instructions on how best to educate young people and their families about OCD and anxiety, and on how to involve patients' families in the recovery process. Essential reading for experienced therapists and clinicians in training.]

Available with free registration

Guidelines
The following new guidance has recently been published:

Good Practice Points - Recognising Sepsis in a child.
[These iHV Good Practice Points set out what health visitors need to know about recognising Sepsis in a child. They outline some practical measures along with up-to-date evidence and references.]

Available with appropriate registration or membership

Reports
The following report(s) may be of interest:

Number of girls and young women reporting self-harm in England on the rise.
[A study based on 3 surveys of people in England aged 16 to 74 found a worrying rise in people who say they have ever self-harmed. The overall numbers rose from 2.4% in 2000 to 6.4% in 2014. The increase in reported self-harm was biggest among women and girls aged 16 to 24, with 19.7% of those questioned in 2014 saying they’d self-harmed.]
Freely available online

Overshadowed: The mental health needs of children and young people with learning disabilities.
[This report finds that children and young people with learning disabilities are more than four times
more likely to develop a mental health problem than average. It also reveals that it is the wider risk factors that these young people face, such as growing up in poverty or being bullied or lonely, rather than their learning disability, that cause them to have poorer mental health.]

Freely available online

**Psychological therapies may improve parenting skills in parents of children with chronic illness.**
NIHR Dissemination Centre; 2019.
https://discover.dc.nihr.ac.uk/content/signal-000778/parenting-skills-psychological-therapies-in-childhood-chronic-illness

[Psychological therapies appear to show promise in helping improve self-reported parenting behaviour of parents of children and adolescents with cancer, chronic pain, diabetes or traumatic brain injury. Cognitive behavioural therapy (CBT) and problem-solving therapy (PST) appear particularly valuable in supporting this.]

Freely available online

**Who gets bullied? Using genetic information to identify individual vulnerabilities.**
The Mental Elf; 2019.

[Lucy Bowes explores a multi-polygenic score approach to identifying individual vulnerabilities associated with the risk of bullying, which suggests that depression, ADHD, risk taking, BMI and intelligence are independently associated with exposure to bullying.]

Freely available online

**Youth anxiety and depression treatment not as good as we think? What should we tell the children?**
The Mental Elf; 2019.

[Blog about a study that evaluates reliable improvement rates in depression and anxiety at the end of treatment in adolescents.]

Freely available online

**Websites**
The following website(s) may be of interest:

**CAPE - Children of Alcoholic Parents Engagement.**
https://www.childrenssociety.org.uk/parental-alcohol-misuse

[A new learning programme from The Children's Society, providing free online resources and toolkits as well as workshops and training to frontline professionals who work with young people. It will support NHS staff, social workers, police, youth, school and voluntary workers to increase their awareness and understanding of children who may be affected by parental alcohol misuse and help them to identify those that are at risk.]

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