



College of Child and Youth Nurses, NZNO
Monthly news bulletin
Friday, 4 September 2020

Consultation

NZNO consults with members on a range of issues. The full outline can be [found here](#).

New Zealand news

Whanganui beats its target for pre-schooler health checks - WDHB

Whanganui parents want to make sure their children are healthy, ready to start school and ready to learn.

That's the conclusion of a team of hardworking health professionals, proud of the fact Whanganui has the third best record in New Zealand for health checks for children about to start school. [Read more](#)

Autism and Aspergers

Maternal cannabis use in pregnancy linked to increased risk of autism in children

In the largest study of its kind, Ottawa researchers found that children whose mothers reported using cannabis during pregnancy were at greater risk of Autism. The incidence of Autism was 4 per 1,000 person-years among children exposed to cannabis in pregnancy, compared to 2.42 among unexposed children. The findings were published in the prestigious medical journal Nature Medicine. [Read more](#)

Health-related issues in youth with autism spectrum disorder,

Leandra N. Berry & Robin P. Goin-Kochel (2020)

Children's Health Care, DOI: [10.1080/02739615.2020.1804387](https://doi.org/10.1080/02739615.2020.1804387)

The purpose of this special issue is to bring attention to health-related issues in youth with Autism Spectrum Disorder (ASD), with the intent to support paediatric medical and behavioural-health providers in caring for patients with ASD. Specific topics discussed include:

- ~ Medical conditions observed in individuals with ASD and associated genetic mutations,
- ~ vaccine hesitancy and beliefs about causes of ASD,
- ~ expanding ASD-diagnostic supports to community providers,
- ~ differential diagnosis of ASD,
- ~ interventions for co-occurring anxiety in ASD, and
- ~ suicide risk among individuals with ASD.

This introductory article provides a brief overview of each paper, including the clinical relevance of each topic. [Read more](#)

The article below is not freely available in full text but may be available via a DHB library, the NZNO library or an academic library.

Evaluation of a Brief Teacher Coaching Programme for delivering an Early Intervention Programme to preschoolers with Autism Spectrum Disorder,

Tupou, Jessica MEdPsych; Waddington, Hannah PhD; Sigafoos, Jeff PhD

Infants & Young Children: October/December 2020 - Volume 33 - Issue 4 - p 259-282 doi: 10.1097/IYC.000000000000174

There is a need for research that evaluates the effectiveness of early intervention when delivered in inclusive preschools. In this study, three regular preschool teachers were trained to use the Early Start Denver Model with a child with ASD, who attended an inclusive preschool. Each teacher worked with one child, and teachers received 11 x 60-min coaching sessions based on an adapted version of the Early Start Denver Model's parent coaching programme. A multiple baseline across participants design was used to evaluate effectiveness in terms of teachers' use of the early intervention techniques and children's levels of:

- ~ participation,
- ~ imitation, and
- ~ communication.

Data was collected via weekly 10-min video recordings, with three follow-up probes conducted 11 weeks following intervention. Teachers improved their use of early intervention techniques, and children demonstrated improved levels of active participation, but results for child imitation and communication were mixed. Positive results were generally maintained at follow-up. This study provides preliminary support for the effectiveness and feasibility of using a modified coaching program to train preschool teachers to use early intervention techniques from the Early Start Denver Model.

Bullying

Tikanga Māori may help prevent bullying in schools

By using the principles of Tikanga Māori, principals can help stop bullying and fighting within schools. That's according to Fiona Matapo of the Otago Primary Principals Association.

[Read more](#)

Clinical

Nurses burned out and want to quit

A survey of nurses caring for children with heart problems has revealed that more than half are emotionally exhausted. The analysis also found that good working environments were linked with less burnout. [Read more](#)

The articles below are not freely available in full text but may be available via a DHB library, the NZNO library or an academic library.

Evaluating the Humpty Dumpty Fall Scale: An International, Multisite Study

Gonzalez, Jackie ... et al

Journal of Nursing Care Quality: October/December 2020 - Volume 35 - Issue 4 - p 301-308 doi: 10.1097/NCQ.0000000000000458

Background:

The Humpty Dumpty Falls Prevention Program was developed to address an unmet need to identify paediatric patients at risk of a fall event.

Purpose:

The aim of this study was to evaluate the performance of the Humpty Dumpty Fall Scale-Inpatient (HDFS) across a diverse, international paediatric population. In addition, the characteristics of patients who experienced a fall were analysed.

Adaptation and evaluation of a child-friendly patient reported outcome measure for use in Australia

Natalie K. Bradford, Raymond J. Chan, Rick Walker et al. Collegin [Article in press]

Published: August 23, 2020 DOI: <https://doi.org/10.1016/j.colegn.2020.05.003>

Background

Use of Patient Reported Outcomes (PROs) to assess symptoms in children are not routinely used in clinical practice, yet children with complex conditions experience a significant number of symptoms.

Aim

To adapt and evaluate the Symptom Screening in Paediatrics Tool (SSPedi), a PRO measure developed in Canada for use with Australian children.

A discussion of healthcare support for adolescents and young adults with long-term conditions: Current policy and practice and future opportunities.

James, S, Perry, L, Gallagher, R, Lowe, J.

Int J Nurs Pract. 2020;e12882. <https://doi.org/10.1111/ijn.12882>

Background

Adolescence and young adulthood can be a period of significant and unique life changes in which competing demands and challenges distract from disease self-management. Specific challenges related to the way individual services are configured can also limit the support available. This paper presents a discussion of healthcare service support for adolescents and young adults, using type 1 Diabetes as an exemplar.

Cancer

Making brain cancers in children respond better to treatment

Research has identified a small molecule compound that can activate the Wnt pathway in non-Wnt subtypes of medulloblastoma, making these aggressive forms of cancer more responsive to therapies. The work also found the Wnt pathway, which has historically been considered cancer-promoting, to function as a cancer inhibitor in certain contexts.

[Read more](#)

COVID-19

Coronavirus: Children the 'silent spreaders' of COVID-19, study finds

A new study adds to growing evidence that children are not immune to [COVID-19](#), and may even play a larger role in community spread than previously thought. [Read more](#)

CDC: Paediatric hospitalisations for COVID-19 increasing

(HealthDay) - While rates of hospitalisation for children with COVID-19 remain low, they have increased, according to research published in the Aug. 7 early-release issue of the U.S. Centres for Disease Control and Prevention Morbidity and Mortality Weekly Report.

[Read more](#)

COVID-19 less deadly and causes milder symptoms in children, UK study finds

According to the world's largest study of hospital patients with COVID-19, children and teenagers are less likely than adults to develop severe COVID-19 or die from the disease.

[Read more](#)

Children aged 12 and over should wear masks - WHO

The World Health Organization (WHO) has issued guidance saying children over the age of 12 should wear masks, in line with recommended practice for adults in their country or area.

[Read more](#)

Coronavirus: WHO says children aged 6-to-11 should wear masks at certain times

Just as millions of children head back to school, the WHO says those aged 6-11 should wear masks in some cases to help fight the spread of [coronavirus](#). [Read more](#)

Listening to & talking with our children & young people is vital with the resurgence of COVID-19

News of the resurgence of COVID-19 in our community has caused feelings of uncertainty and anxiety amongst many of us, as our everyday lives and freedoms become limited due to necessary restrictions imposed to stop the spread of the virus. [Read more](#)

Dental health

The articles below are not freely available in full text but may be available via a DHB library, the NZNO library or an academic library.

Early childhood caries prevention: non-dental health professionals' viewpoint

Javotte Nancy, Terence Barsby, Marie Theillaud, ... et al
British Journal of Nursing, Vol. 29, No. 15: 884-890.

Background:

Dental caries can develop early in life and have harmful consequences.

Objective:

To examine non-dental practitioners' knowledge of early childhood caries (ECC).

Conclusion:

Non-dental practitioners lack knowledge about ECC, so cannot help prevent it. Initiatives including interprofessional training would improve their knowledge of oral health in early childhood.

Diabetes

New test better predicts which babies will develop type 1 Diabetes

A new approach to predicting which babies will develop type 1 Diabetes moves a step closer to routine testing for new-borns, which could avoid life-threatening complications. [Read more](#)

Diet and nutrition

What do children, parents and staff think about a healthy lifestyles intervention delivered in primary schools? a qualitative study

Goldthorpe J, Epton T, Keyworth C, *et al*
BMJ Open 2020;**10**:e038625. doi: 10.1136/bmjopen-2020-038625

Objective Primary schools are crucial settings for early weight management interventions, but effects on children's weight are small and evidence shows that deficiencies in intervention implementation may be responsible. Very little is known about the roles of multiple stakeholders in the process of implementation. We used a multiple-stakeholder qualitative research approach to explore the implementation of an intervention developed to improve the diet and increase the levels of physical activity for children living in some of the most deprived areas of England. [Read more](#)

Drugs and alcohol

Youth2000 Survey Series - Youth19 Rangatahi Smart Survey - Initial Findings on Substance Use

This report provides an overview of Youth19 substance use findings. [Read more](#)

Kids and health professionals / hospital

The articles below are not freely available in full text but should be available via a DHB library, the NZNO library or an academic library

Trust in the nurse: Findings from a survey of hospitalised children.

Sheehan, R. and Fealy, G. (2020),
J Clin Nurs. Accepted Author Manuscript. doi:[10.1111/jocn.15466](https://doi.org/10.1111/jocn.15466)

Aims and objectives

The aim of this study was to measure hospitalised children's trust in the nurse.

Background

Trust is central to the therapeutic relationship between the nurse and the patient. There can be no trusting relationship between the nurse and child if the parents have no trust or block the relationship (Bricher, 1999).

Mental health

Twice as many teenagers with 'significant' depressive symptoms in 20 years: study

The proportion of teenagers with "[significant](#)" symptoms of depression has doubled in 20 years, according to research. [Read more.](#)

'Anxiety and mental health issues rife among New Zealand's young people'

School leaders are reporting anxiety is the single biggest issue effecting children today. Exposure to emotional stress and the uncertainties of COVID-19 have added to the strain on mental health for many young people and families. [Read more](#)

Youth mental health problems double in 10 years, COVID-19 impact could be 'extensive'

Mental health conditions amongst Kiwi youth have doubled in the past decade, and could worsen in the wake of the [coronavirus pandemic](#), according to research out of Kōi Tū: The Centre for Informed Futures at [The University of Auckland](#). [Read more.](#)

Palliative care

The article below is not freely available but should be available via a DHB library, the NZNO library or an academic library

Use of subcutaneous fluids in palliative care with children: a case study.

Smith A, Brimble MJ (2020)

Nursing Children and Young People. doi: 10.7748/ncyp.2020.e1277

Quality of life is a major consideration in children's palliative care, particularly at the end of life. Optimal symptom management is crucial in maintaining quality of life, with the aim being to ensure the child is as comfortable as possible. Ensuring adequate hydration will often be part of symptom management, but may be associated with several practical and ethical challenges. Subcutaneous fluid administration in children's palliative care is relatively uncommon, so there is a lack of evidence on the topic.

This article demonstrates that it is feasible to use subcutaneous fluid therapy in the children's hospice setting to address patients' hydration needs and manage their symptoms. It presents a case study of a child who received subcutaneous fluids in a children's hospice for dehydration and myoclonus. It uses the case study to discuss subcutaneous fluid therapy in the children's palliative care setting, including its indications and contraindications, administration, complications and important factors to consider.

Research

'I actually felt like I was a researcher myself.' On involving children in the analysis of qualitative paediatric, research in the Netherlands

Luchtenberg ML, Maeckelberghe ELM, Verhagen AE

BMJ Open 2020;**10**:e034433. doi: 10.1136/bmjopen-2019-034433

Objectives:To evaluate the feasibility of a new approach to paediatric research whereby we involved children in analysing qualitative data, and to reflect on the involvement process.

[Read more](#)

Respiratory

Asthma education for paediatric patients

In inpatient settings, asthma educators typically teach children and their families how to manage their disease. However, if no asthma educator is present, nurses may take on this role. To ensure no important information is missed, nurses should be familiar with EPR-3 guidelines, and they should be alert to other teachable moments that might arise during patient education. [Read more](#)

The article below is not freely available but should be available via a DHB library, the NZNO library or an academic library

A randomized controlled trial of a nurse-led education pathway for asthmatic children from outpatient to home.

Gao, G, Liao, Y, Mo, L, Gong, Y, Shao, X, Li, J.

Int J Nurs Pract. 2020; 26:e12823. <https://doi.org/10.1111/ijn.12823>

Background

Education for asthmatic children in the outpatient department is insufficient.

Aim

To evaluate the efficacy of a nurse-led education pathway, a standard education programme, on children with asthma.

Rheumatic fever

'We have totally failed': Rheumatic fever: The Third World disease entrenched in New Zealand

It's a disease that can have a life-long impacts on those it strikes, it disproportionately hits Māori and Pacific people, and it shouldn't even be in this country. Virginia Fallon reports.

[Read more](#)

Rheumatic fever robs career of promising young rugby player as NZ battles to rid the preventable disease

Twenty-six-year-old Matt Johnson was a promising young rugby player, his talents already evident while studying at Auckland's St Peter's College.

But that's been stunted because of rheumatic fever. Now, he wants to raise awareness about the disease.

Rheumatic fever thrives in cold, damp and overcrowded houses. It disproportionately affects Māori and Pacific children aged 4-19 years old, especially if other family members have had it. [Read more](#)

Skin conditions

Nurse-led eczema project delivers major improvement for Hamilton kids and their families

Wanting better management of her baby daughter's severe facial eczema was behind a Hamilton practice nurse creating a clinic within the practice to deliver great results to the under fives and their families suffering from the painful skin condition. [Read more.](#)

Vaccination / immunisation

The article below is not freely available but should be available via a DHB library, the NZNO library or an academic library

Factors contributing to parental 'vaccine hesitancy' for childhood immunisations.

Haroune V, King L (2020)

Nursing Children and Young People. doi: 10.7748/ncyp.2020.e1269

Childhood immunisations have contributed to saving millions of lives worldwide. However, a growing number of parents are declining immunisations, while other parents are choosing to delay, or opting for selective immunisations. These behaviours contribute to the reduction of herd immunity and to the possible resurgence of certain diseases.

The aim of this extended literature review was to investigate factors that contribute to 'vaccine hesitancy' for childhood immunisation among parents. Seven qualitative studies were included in the review and examined using thematic analysis. The main themes identified were:

- ~ vaccine safety,
- ~ effectiveness of vaccines, and
- ~ healthcare factors.

This suggests that vaccine hesitancy is more complex than parents simply agreeing or disagreeing for their child to be immunised.

Articles of interest

Paediatric stroke rehabilitation guidelines published

Researchers and clinical experts led by the [Murdoch Children's Research Institute](#) (MCRI) have produced Australian clinical guidelines to improve the rehabilitation of children who have a stroke. The guidelines cover:

- ~ motor and sensory function,
- ~ pain management,
- ~ nutrition,
- ~ speech and language function,
- ~ recreation and leisure activities, and
- ~ education. [Read more](#)

Other

Call for nominations to join the Child and Youth Mortality Review Committee

The Health Quality & Safety Commission (the Commission) Board is seeking two members to join the Child and Youth Mortality Review Committee (CYMRC). Nominations close at **5pm on Wednesday 23 September 2020**. [Read more](#)

Paediatric Vaccines

Research Review, Issue 43

In this issue, the preliminary findings of a phase 1/2 trial support further evaluation of the mRNA vaccine BNT162b1 for COVID-19. [Read more](#)

The above bulletin has been compiled by Linda Stopforth, SNIPS, on behalf of NZNO College of Child and Youth Nurses.

It is provided on the first Friday of each month and contains an overview of news items, articles and research papers of interest to the Section members.

All links are current at the time of being compiled and distributed.

For feedback please contact your section administrator: secretary.ccyn@gmail.com

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