



Hongihongi te rangi hou'
'Smell the fresh air'

NZNO College of Respiratory Nurses monthly news bulletin Friday 27 April 2018

NZNO / section news

Consultation

NZNO regularly seeks members input on a range of documents up for consultation. The listing is regularly updated and can be found at:

http://www.nzno.org.nz/get_involved/consultation

Local Government (Community Well-being) Amendment Bill

NZNO seeks your feedback on this Bill which aims to reinstate the promotion of social, economic, environmental and cultural well-being of communities to the statutory role of local government, and restore territorial authorities' ability to collect development contributions for community facilities, such as libraries, sports grounds and swimming pools resulting from developments. Please consider how these changes to local government could make a difference to health outcomes and to local planning for e.g. population growth, an ageing society, rising rates of obesity, social inequalities and climate change. Please find the bill link below:

<http://www.legislation.govt.nz/bill/government/2018/0048/latest/d56e2.html>

Send feedback to marilyn@nzno.org.nz by 18 May 2018.

Sale and Supply of Alcohol (Renewal of Licences) Amendment Bill

This bill enables local alcohol policy (LAPS) to be fully considered in any decision on the renewal of an existing licence. It gives the community more say over the density and location of alcohol outlets and allows conditions, for example, trading hours, particular licences and one-way door restrictions, to be imposed, but it will have limited effect because it doesn't apply to new licenses and most LAPs are very weak. NZNO seeks your feedback on the impact of alcohol on health, health services and communities, examples of where LAPs have been effective, or where there have been barriers to advice of local communities and health practitioners, and recommendations for alcohol regulation. NZNO is a member of alcohol action and supports its recommendations.

Further information can be found from the Alcohol Healthwatch website <http://www.ahw.org.nz/>

Please find the bill attached below:

https://www.parliament.nz/en/pb/bills-and-laws/bills-proposed-laws/document/BILL_76343/sale-and-supply-of-alcohol-renewal-of-licences-amendment

Send feedback to marilyn@nzno.org.nz by 21 April 2018

Privacy Bill

NZNO seeks your feedback on this bill which reforms the Privacy Act 1993. The intent of the Bill is to promote people's confidence that their personal information is secure and will be treated properly, given changes to the way this is used with the rise of the Internet and the digital economy. The Bill implements recommendations made in the Law Commission's 2011 review of the Act including reforms that give the Privacy Commissioner a stronger role and help address privacy risks earlier. The key changes are:

- *mandatory reporting of privacy breaches* to the Privacy Commissioner and to affected individuals;
- the Commissioner will be able to issue compliance notices;
- *strengthening cross-border data flow protections*;
- *new criminal offences*: it will be an offence to mislead an agency in a way that affects someone else's information and to knowingly destroy documents containing personal information where a request has been made for it;
- *Commissioner making binding decisions on access to information requests*; and
- *strengthening the Privacy Commissioner's information gathering power*.

Please find the Bill attached here:

https://www.parliament.nz/en/pb/bills-and-laws/bills-proposed-laws/document/BILL_77618/privacy-bill

Send feedback to marilynh@nzno.org.nz by 17 May 2018.

Coroners Access to Body of Dead Person (Amendment) Bill

NZNO seeks your feedback on this Bill which amends the Coroners Act 2006 (the Act) to "require" coroners when determining whether a person should be allowed to remain with the tūpāpaku to also consider tikanga Māori and the expectations of other cultures. This Bill strengthens the issues raised during the Māori Affairs Select Committee inquiry into whānau access to and management of Tūpāpaku, which Te Rūnanga have submitted on.

Currently, the Act allows coroners to have the discretion to take cultural considerations into account, but they are not mandatorily required to.

We welcome your feedback on the proposed amendment which enshrines the importance of recognising and supporting all cultural beliefs in Aotearoa New Zealand, to the extent possible.

Send feedback to leannem@nzno.org.nz by 18 May 2018.

Abortion Law Reform

The Law Commission is reviewing the current abortion law to see how it could be made consistent with treating abortion as a health issue. NZNO is seeking feedback from members and nurses working in women's health services on the current process and delivery of abortion services, and the impact on women's health.

For an explanation of the current law and the process for receiving abortion services please see: <http://abortionlaw.lawcom.govt.nz/>

Please send feedback to marilynh@nzno.org.nz by 11 May 2018

NZ News

Portable gas heaters in the firing line for rentals

Portable gas heaters could be outlawed in rentals as the Government prepares to consult on new laws around heating homes.

[Read more here](#)

Winners of the NZ Respiratory Achievers' Awards announced

Thursday 19 April 2018, marks the 30th Anniversary of the New Zealand Respiratory Achievers' Awards organised by the Asthma and Respiratory Foundation NZ.

The ceremony being held in Wellington tonight features the Respiratory Achievers' Awards, which honour the accomplishments of truly amazing New Zealander's living with a respiratory condition. The event also includes the Respiratory Media Awards recognising and showcasing journalists who have helped to increase awareness around asthma and respiratory conditions.

[Read more here](#)

Air pollution

Brief exposure to tiny air pollution particles triggers childhood lung infections

Even the briefest increase in airborne fine particulate matter PM2.5, pollution-causing particles that are about 3 percent of the diameter of human hair, is associated with the development of acute lower respiratory infection (ALRI) in young children, according to newly published research.

[Read more here](#)

Asthma

Early Asthma Symptoms Linked to Lung Function in Adolescents Born Preterm

Early childhood asthma symptoms may be independent factors associated with alterations in lung function in adolescents who are born preterm, according to a study published by Thorax

[Read more here](#)

Why don't kids use their asthma medicines?

In a new analysis of interviews conducted with children who have asthma, their caregivers and their clinicians, researchers found that there was significant lack of agreement about why the kids miss their needed daily anti-inflammatory medication.

[Read more here](#)

World Asthma Day - 1 May 2018!

Over 521,000 kiwis live with asthma, please help us to create awareness about this condition in your community on World Asthma Day. [Find out how you can get involved here!](#)

The item below is not available full text but may be sourced via a DHB library through databases like CINAHL or Proquest, or through the NZNO library service

Supporting self-management of asthma through patient education

Bridget Murray and Mary O'Neill
British Journal of Nursing, Vol. 27, No. 7: 396-401.

Damp housing, gas stoves, and the burden of childhood asthma in Australia

Luke D Knibbs, Solomon Woldeyohannes, Guy B Marks and Christine T Cowie
Med J Aust 2018; 208 (7): 299-302. || doi: 10.5694/mja17.00469

Objective: To determine the proportion of the national childhood asthma burden associated with exposure to dampness and gas stoves in Australian homes.

Bronchiectasis

The item below is not available full text but may be sourced via a DHB library through databases like CINAHL or Proquest, or through the NZNO library service

Rodrigo Vazquez Guillamet, Hans Petersen, Paula Meek, Akshay Sood & Yohannes Tesfaigzi (2018) **Grading Severity of Productive Cough Based on Symptoms and Airflow Obstruction**, COPD: Journal of Chronic Obstructive Pulmonary Disease, The binary approach to the diagnosis of Chronic Bronchitis (CB) is a major barrier to the study of the disease. We investigated whether severity of productive cough can be graded using symptoms and presence of fixed airflow obstruction (FAO), and whether the severity correlates with health status, exposures injurious to the lung, biomarkers of inflammation, and measures of airway wall thickening. Findings from a cross-sectional sample of 1,422 participants from the Lovelace Smokers Cohort (LSC) were validated in 4,488 participants from the COPDGene cohort (COPDGene). Health status was based on the St. George's Respiratory Questionnaire, and Medical Outcomes Study 36-Item Short Form Health Survey. Circulating CC16 levels were quantified by ELISA (LSC), and airway wall thickening was measured using computed tomography (COPDGene). FAO was defined as postbronchodilator FEV₁/FVC <0.7. The presence and duration of productive cough and presence of FAO or wheeze were graded into Healthy Smokers, Productive Cough (PC), Chronic PC, PC with Signs of Airflow Obstruction, and Chronic PC with Signs of Airflow Obstruction. In both cohorts, higher grade of severity correlated with lower health status, greater frequency of injurious exposures, greater airway wall thickening, and lower circulating CC16 levels. Further, longitudinal follow-up suggested that disease resolution can occur at every grade of severity but is more common in groups of lower severity and least common once airway remodeling develops. Therefore, severity of productive cough can be graded based on symptoms and FAO and early intervention may benefit patients by changing the natural history of disease.

COPD

Practicing Tai Chi helps improve respiratory function in patients with COPD

Currently, pulmonary rehabilitation (PR) is used where available to improve exercise capacity and quality of life, but the treatment requires access to trained staff and specialized facilities. A new study looked at Tai Chi as a lower cost, more easily accessed treatment option. Investigators found that this slow, methodical form of exercise is equivalent to PR for improving respiratory function in patients with COPD.

[Read more here](#)

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Deborah Seys, Luk Bruyneel, Walter Sermeus, Cathy Lodewijckx, Marc Decramer, Svin Deneckere, Massimiliano Panella & Kris Vanhaecht (2018) **Teamwork and Adherence to Recommendations Explain the Effect of a Care Pathway on Reduced 30-day Readmission for Patients with a COPD Exacerbation**, COPD: Journal of Chronic Obstructive Pulmonary Disease, DOI: [10.1080/15412555.2018.1434137](https://doi.org/10.1080/15412555.2018.1434137)

This study aimed to increase our understanding of processes that underlie the effect of care pathway implementation on reduced 30-day readmission rate. Adherence to evidence-based recommendations, teamwork and burnout have previously been identified as potential mechanisms in this association. We conducted a secondary data analysis of 257 patients admitted with chronic obstructive pulmonary disease exacerbation and 284 team members

caring for these patients in 19 Belgian, Italian and Portuguese hospitals. Clinical measures included 30-day readmission and adherence to a specific set of five care activities. Teamwork measures included team climate for innovation, level of organized care and burnout (emotional exhaustion, level of competence and mental detachment). Care pathway implementation was significantly associated with better adherence and reduced 30-day readmission. Better adherence and higher level of competence were also related to reduced 30-day readmission. Only better adherence fully mediated the association between care pathway implementation and reduced 30-day readmission. Better team climate for innovation and level of organized care, although both improved after care pathway implementation, did not show any explanatory mechanisms in the association between care pathway implementation and reduced 30-day readmission. Implementation of a care pathway had an impact on clinical and team indicators. To reduce 30-day readmission rates, in the development and implementation of a care pathway, hospitals should measure adherence to evidence-based recommendations during the whole process, as this can give information regarding the success of implementation

Influenza

Flu vaccine's here but sickest patients should hold off getting the shot

A vaccine to fight this season's set of deadly influenza strains has arrived in New Zealand - but people with poor immune systems should wait as long as possible before getting their shots.

[Read more here](#)

Interstitial lung disease

The item below is not available full text but may be sourced via a DHB library through databases like CINAHL or Proquest, or through the NZNO library service

Natalya Azadeh, Teng Moua, Misbah Baqir & Jay H. Ryu (2018) **Treatment of acute exacerbations of interstitial lung disease**, Expert Review of Respiratory Medicine,12:4, 309-313, DOI: [10.1080/17476348.2018.1446831](https://doi.org/10.1080/17476348.2018.1446831)

Introduction: Interstitial lung diseases (ILD) include a broad range of diffuse parenchymal lung disorders of known and unknown etiologies. Patients with ILD can experience acute exacerbations (AE) which are associated with extremely high morbidity and mortality. Little is known about the etiology of AEs, and whether inciting triggers (such as infection) result in an aberrant inflammatory response in a predisposed host.

Areas covered: The majority of data regarding AE-ILD comes from the idiopathic pulmonary fibrosis (IPF) population and is extrapolated to other forms of ILD. For the purposes of this review we have summarized the current literature regarding AE of IPF, and when available have included data from AE of other ILDs.

Expert commentary: Therapeutic options for AE are limited without definitive treatments available, and the prognosis is often poor. Treatment is mainly based on correcting hypoxemia, looking for reversible etiologies of respiratory decline, and palliation of symptoms. Overall little is known about the pathogenesis of ILDs and AE-ILD, more research is needed in hopes of identifying better treatment options

Mechanical ventilation

The item below is not available full text but may be sourced via a DHB library through databases like CINAHL or Proquest, or through the NZNO library service

Fernanda Ferreira Cruz, Lorenzo Ball, Patricia Rieken Macedo Rocco & Paolo Pelosi(2018) Ventilator-induced lung injury during controlled ventilation in patients with acute respiratory distress syndrome: less is probably better, Expert Review of Respiratory Medicine, 12:5, 403-414

Introduction: Mechanical ventilation is required to support respiratory function in the acute respiratory distress syndrome (ARDS), but it may promote lung damage, a phenomenon known as ventilator-induced lung injury (VILI).

Pertussis

The item below is not available full text but may be sourced via a DHB library through databases like CINAHL or Proquest, or through the NZNO library service

Pertussis vaccination uptake in pregnancy: lessons to be learned from an integrated healthcare approach

New Zealand Medical Journal

13th April 2018, Volume 131 Number 1473

Emma J Deverall, Benjamin Gilmore, Sam Illing, Roshini Peiris-John

Pertussis (or Whooping cough) is a serious, but vaccine preventable disease. Infants are the most at risk of complication and death, and are best protected by giving a free vaccine to their mother during pregnancy. An audit in Lakes District Health Board found the immunisation rate was much higher in Taupo (76%) than in Rotorua (45%). This paper explores the differences in the two regions. Coordinated efforts between the Primary Care Organisation, Midwives and the District Health Board in Taupo helps to bring vaccination to women in their community and improve vaccination rates.

Pneumonia

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Could a risk-assessment tool prevent hospital-acquired pneumonia?

Stephanie Evans

British Journal of Nursing, Vol. 27, No. 7: 402-404.

Smoking (general)

Stop smoking services called upon to support switch to vaping

Government funded stop smoking services will keep losing customers if they refuse to help people who want to try vaping, new research has found. The services are in a bind however because the legality of selling nicotine vaping products in New Zealand remains in doubt.

[Read more here](#)

Tuberculosis

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Octavio Ramos-Espinosa, León Islas-Weinstein, Marco Polo Peralta-Álvarez, Manuel Othoniel López-Torres & Rogelio Hernández-Pando (2018) **The use of immunotherapy for the treatment of tuberculosis**, Expert Review of Respiratory Medicine, DOI: [10.1080/17476348.2018.1457439](https://doi.org/10.1080/17476348.2018.1457439)

Introduction: Tuberculosis (TB) is the first cause of mortality by a single infectious agent in the world, causing more than one million deaths worldwide as reported by the World Health Organization (WHO). For the optimal control of TB infection, a protective immune response that limits bacterial spread without causing damage to the host is essential. Although most healthy individuals are capable of generating protective responses, patients who suffer pulmonary TB commonly present a defective immune function.

Areas covered: We intend to highlight the potential of novel immunotherapeutic strategies that enhance and promote effective immune responses. The following methodology was undertaken for establishing a literature search: the authors used PubMed to search for 'Pulmonary Tuberculosis' and keywords that denoted the novel immunotherapeutic strategies discussed in length in the text including antibodies, antimicrobial peptides, cell therapy, cytokines and gene therapy.

Expert commentary: The current therapeutic regimens for this disease are complex and involve the prolonged use of multiple antibiotics with diverse side effects that lead to therapeutic failure and bacterial resistance. The standard appliance of immunotherapy and its deployment to vulnerable populations will require coordinated work and may serve as a powerful tool to combat the ensuing threat of TB.

Professional development

Strategies for overcoming language barriers in healthcare

Squires, Allison

Nursing Management: [April 2018 - Volume 49 - Issue 4 - p 20–27](#)

Language barriers between nurses and patients increasingly affect nursing practice, regardless of where care is delivered. In the United States, a language other than English is now spoken at home in one of five households, the highest level since just after World War I.¹ Patients with limited English skills are referred to as patients with limited English proficiency (LEP).

This article provides background information about language barriers between nurses and patients, and how these barriers affect patient outcomes. Practice-based strategies are offered to improve outcomes and reduce readmissions. Although this article doesn't address barriers to communicating with patients with hearing loss, many of the same principles apply to these patients.

[Read more here](#)

The above bulletin has been compiled by Linda Stopforth, SNIPS, on behalf of the NZNO College of Respiratory Nurses. It is for NZNO College of Respiratory Nurses only and must not be reproduced without their permission.

It is provided on the last Friday of each month and contains an overview of news items, articles and research papers of interest to the College members. All links are current at the time of being compiled and distributed.

For feedback please contact your section administrator: DianaG@nzno.org.nz

To learn more about the College go

to: http://www.nzno.org.nz/groups/colleges_sections/colleges/college_of_respiratory_nurses

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