Differences in musculoskeletal complaints and daily functioning in Croatian nurses employed in child and adult care – a CROWN study

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Introduction
In 2014 a CROWN (Croatia, Workability, Nurses) study was conducted in Croatian nurses employed in clinical hospitals to determine general health status, physical and psychosocial health of nurses, prevalence and distribution of hand eczema and musculoskeletal symptoms and their influence on daily functioning. Data for musculoskeletal complaints and daily functioning with nurses employed in child and adult care will be shown.

Methods
A Nordic standardised questionnaire for evaluation of musculoskeletal complaints accompanied with Likert scale for self-evaluation of complaints and a Disability of arm, shoulder and hands (DASH) questionnaire for daily functioning, were used for this part of research in 115 nurses from three large clinical hospitals for children and two large clinical hospitals to determine general health status, physical and psychosocial health of nurses, prevalence and distribution of hand eczema and musculoskeletal symptoms and their influence on daily functioning. Data for musculoskeletal complaints and daily functioning with nurses employed in child and adult care will be shown.

Results
The prevalence rate of musculoskeletal complaints among our cohorts of nurses was 95% in child care, and 98.6% in adult care. Lower back pain and neck pain were the most frequent complaints in both groups. Lower back pain had the highest influence on daily functioning. Other comorbidity and problems in daily functioning in both groups will be shown.

Conclusion
The prevalence rate for musculoskeletal complaints in this study was very high, higher then reported in similar other studies. That has confirmed the great need for analysing reasons for such a high prevalence of complaints, and taking actions which will reduce their contributing factors and influence on daily functioning. Although the nurses are highly aware of this problem a need exists for formal training in ergonomics, maintenance of adequate posture and taking micro-breaks in reducing WRMDs.

Audit of staff attitudes to influenza immunisation and the factors which may encourage or prohibit uptake

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Introduction
Influenza immunisation is offered and recommended to all staff in St. Vincent’s University Hospital. While uptake has improved, the overall proportion of staff not immunised remains of concern.

The department of occupational health, infectious diseases and clinical audit collaborated to audit the attitudes of staff to influenza immunisation in 2015/2016. The results informed quality improvements for the 2016/2017 campaign e.g. increased information sessions and additional mobile ‘out-of-hours’ clinics. A re-audit was subsequently carried out.

Methods
Hard copy and email questionnaires were distributed to all staff, 301 questionnaires were completed.

Result
Clinical staff accounted for 75% of respondents in 2016/2017 compared to 63% in 2015/2016. Sixty-four per cent of respondents were previously immunised, demonstrating immunised staff were more likely to complete the audit, particularly doctors, allied healthcare professionals and management/administration staff.

The top 3 reasons for immunisation were ‘it’s what’s recommended’, ‘protect myself from becoming unwell’ and ‘protect family members’. This is consistent with the previous audit, apart from one, where respondents cited ‘protect my patients’ over ‘protect my family members’.

Ninety-seven per cent of previously immunised respondents agreed they would be immunised during this influenza season and 82% felt staff should be immunised. They were more likely to agree it should be mandatory for staff. Information about influenza and mobile clinics were the top 2 reasons chosen to help increase immunisation uptake, for immunised and non-immunised respondents.

Thirty-five per cent of respondents were not previously immunised and the top 2 reasons were ‘I can manage the flu myself’ and ‘I am worried about side effects’. Of those, 52% felt staff should be immunised, suggesting dissonance in this group. Compared to the previous audit, they were more likely to be immunised during 2016/2017, more likely to agree that staff should be immunised and that immunisation should be mandatory for staff. They were also more likely to associate the lack of information and the absence of mobile clinics as reasons for poor uptake.

Conclusion
This audit implies providing increased, focused information and additional mobile clinics directly increases the rate of immunisation uptake. However despite this, respondents refer to the need for more information and mobile clinics, demonstrating that influenza immunisation is a perfect case of a complex adaptive system. Focusing on the method of communicating information and a peer vaccinator programme might enhance the next campaign.