

Embedded or modular? Preliminary findings from a longitudinal study of two methods of delivering Evidence-Based Practice teaching in pre-registration nursing education.

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Context

- Sor the past 20 years Evidence-Based Practice (EBP) has been increasingly emphasised as an effective approach and goal in health care (Upton & Upton, 2006). However, research has identified a number of barriers to its adoption and implementation (Sandström et al., 2011).
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- Little research has focused on nurses' initial pre-registration training, particularly on the impact EBP teaching delivery method on adoption and implementation of EBP throughout the learning process.



Aim of the study

The study represents an on-going educational audit exploring the impact of teaching delivery method (embedded vs. modular) on undergraduate pre-registration nursing students' self-reported EBP implementation, attitudes, and knowledge and skills.

Design

A longitudinal, cross-sectional survey collecting data from September 2011 until February 2015.

Method

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Solution a collected every 6 months, using the Evidence-Based Practice Questionnaire (EBPQ; Upton & Upton, 2006): a 24-item self-report measure with three subscales (practice of, attitude towards, and knowledge and skills in EBP).

Results

Serial Preliminary analysis of students' EBP 6-months into their course (following one clinical placement) is reported.

The initial results identified no statistically significant differences between the cohorts on the practice of EBP (U= 2,138.00, Z= -0.13, p= .894; embedded group Md= 5.00, modular group Md= 5.00, see figure 1).

Wever, statistically significant differences between the two cohorts were identified on EBP attitudes (U= 1,852.00, Z= -2.43, p=.015), and knowledge and skills (U= 2,802.00, Z= 3.68, p<.001). Students on the modular curriculum displayed slightly higher attitude scores (Md= 6.33) than those on the embedded curriculum (Md= 5.67), although both cohorts demonstrated positive attitudes toward EBP (see figure 2). Conversely, the embedded curriculum cohort students displayed slightly higher scores on EBP knowledge and skills (Md= 4.29; see figure 3).</p>



Modular Embedded
Teaching delivery method

Modular Embedded
Teaching delivery method

Modular Embedded
Teaching delivery method

Conclusion & implications

Ithough the project is still in its infancy, preliminary findings raise important questions about the relationship between EBP attitudes, practice and skills.

In the embedded cohort's lower attitude scores may reflect social-desirability effects: modules dedicated to EBP may instil greater importance of displaying positive EBP attitudes.

Sembedding EBP may provide an effective means of developing students' practice, knowledge and skills, without requiring dedicated modules, thereby reducing resource demands.

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