

Abstract

Background and Purpose: Hospital-acquired pressure injuries continue to be a worldwide issue despite the evidence supporting the application of HAPI prevention bundles. The purpose of this project is to develop, implement, and evaluate the effects of a HAPI prevention bundle created by the staff (nursing and patient care technicians) using the co-design approach.

Methods: A pre- and post-test design was used for this project conducted in an independent academic hospital medical center in the Northeast, United States. The staff of one unit used a modified survey and a workflow survey to co-design and implement a HAPI prevention bundle from August 2021 to January 2022. The Pressure Injury Prevention Barriers questionnaire and the Attitude towards Pressure ulcer Prevention were modified to assess the staff's attitude and barriers regarding pressure injuries. Patient and EMR audits were used to help evaluate the staff's implementation compliance. The Mann-Whitney test was used to analyze the data.

Results: A total of 33 staff members completed the pre-survey, 14 completed the workflow survey, and 11 completed the post-survey. For the pre-survey, 78.8% of the respondents were registered nurses. 18.2% were clinical technicians, and 3.0% were other. 85.7% of the respondents wanted to incorporate turns every three hours. For the post-survey, 100% were registered nurses. Under the Engagement Block of Questions, there was a statistical difference of 0.04 from pre and post scores. There was no statistical difference in the number of pressure injuries before and after the intervention.

Conclusions: Findings suggest that staff engagement, while essential, is not solely responsible for the success of a project. Additional support and resources are needed to reinforce new workflows.

Implications: The nursing staff needs enough support and resources to provide quality nursing care. Prevention of hospital-acquire pressure injuries should be multidisciplinary.

Keywords: Prevention, hospital, pressure ulcer, medical staff, patient care bundles