

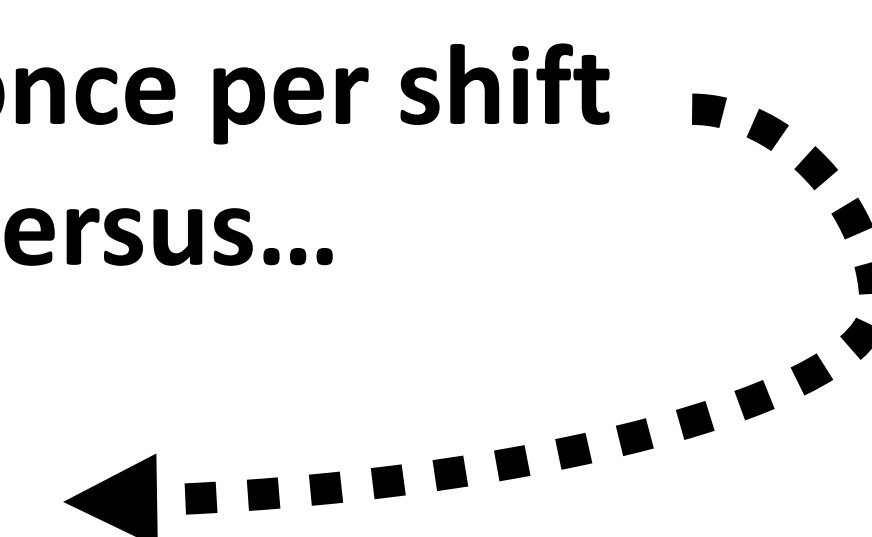
# While *what* we document does not impact hospital acquired pressure injury (HAPI) rates, increased documentation **frequency** appears to predict HAPI development

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## Quality Versus Quantity: Assessing the Impact of Nursing Documentation on Preventing Hospital Acquired Pressure Injuries

| Positioning Intervention                  |                             |
|---|-----------------------------|
| J Hopkins Highest Mobility Lvl Evaluation | frequent turning            |
| Mobility Intervention                     | HOB flat                    |
| Level of Mobility Assistance Needed       | HOB greater than 30 degrees |
| Mobility Assist. Device used              | HOB elevated                |
| Musculoskeletal Intervention              | reverse Trendelenburg       |
| Mobility Safety Screen Passed             | prone                       |
| Early Termination of Mobility             | midline                     |
| Fluid/Nutrition All                       |                             |
| Fluids/Electrolyte Assessment             | refused                     |
| Fluid Therapy Interventions               | turned to back              |
| Nutrition Assessment                      |                             |

“Frequent Turning” documented once per shift versus...



- Nurses are key to preventing HAPIs, but additional documentation must be scrutinized due to an already heavy documentation burden
- We sought to assess the impact of new, optional EHR documentation on HAPI prevention and its association to HAPI outcomes
- 15,214 at-risk patients with 453 instances of HAPIs pre-implementation and 6,897 at-risk patients with 200 instances of HAPIs post-implementation
- No differences were found in rates of HAPIs between the two time periods (p=.831).

Documentation frequency appears related to HAPI development.

| Variable                                      | Odds Ratio (95% CI) | Standard Error | p-value  |
|---|---------------------|----------------|----------|
| Turn Documentation Frequency <sup>+</sup>     | 2.94 (2.58, 3.34)   | 0.19           | <0.0001* |
| Mobility Documentation Frequency <sup>+</sup> | 0.26 (0.21, 0.31)   | 0.02           | <0.0001* |
| Minimum Braden Score                          | 1.06 (0.98, 1.14)   | 0.04           | 0.164    |
| Minimum Albumin                               | 0.99 (0.81, 1.22)   | 0.11           | 0.949    |
| Age of Patient                                | 0.99 (0.98, 1.00)   | 0.01           | 0.066    |
| Sex of Patient                                | 1.80 (1.40, 2.30)   | 0.23           | <0.0001* |
| Hours Admitted                                | 1.00 (1.00, 1.00)   | 0.00           | 0.002*   |

<sup>+</sup>Log transformed variable; \*Significant at  $\alpha = 0.05$



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