

# Finger Pricking Good

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NSG 405: Senior Leadership Change Project, Spring 2021

## Assessment

### Opportunity

- To allow Blessing-Rieman College of Nursing & Health Sciences (BRCN) nursing students the opportunity to use glucometers in the clinical setting

### Driving Forces

- Patient safety and outcomes
- BRCN students and clinical faculty
- Simulation center co-coordinators
- Quality Assurance Coordinator (QAC): Lab administration
- Chief Nursing Officer (CNO)
- Research findings

### Restraining Forces

- Cost of equipment and supplies
- Only one employee to input users in the system

## Literature Review

- Less than 30 minutes between blood glucose testing and insulin administration/meal delivery is optimal.<sup>1</sup>
- A mistimed insulin dose may lead to a peak in insulin effect too early or late relative to the meal and lead to hyperglycemia or hypoglycemia.<sup>1</sup>
- Coordinating pre-meal capillary blood glucose (CBG) testing, insulin coverage, and meal intake increases the likelihood that the patient will have improved blood glucose control.<sup>2</sup>
- The root cause analysis revealed that not only were nurses unaware of the 30-minute recommendation, but also that patient-care technicians (PCTs) did not understand the significance of checking a blood glucose (BG) too early.<sup>3</sup>

## Planning

### Short Term Goal

- Pilot glucometer privileges for Senior Leadership students

### Long Term Goal

- Implement glucometer privileges for all second semester Sophomore, Junior, and Senior students

### Strategies to Hardwire Change

- Collaborate with QAC on training process
- Develop training process with simulation center co-coordinators
- Educate clinical faculty and students on policy changes

### Evaluation Plan

- Survey pilot group post-policy implementation

## Implementation

### Implementation Steps

- Explored cost of equipment and supplies
- Collaborated with QAC and simulation center co-coordinators
- In progress of developing training plan

### Strategies for Handling Resistance

- Shared research findings with QAC
- Incorporate staff and student feedback into policy development
- Garner support of CNO

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## Evaluation

### Evaluation of Change

- Survey current Junior/Senior students and clinical faculty
- Analyze training process

### Strategies to Stabilize

- Fall 2021 Leadership students will pilot this change project



Figure 1.

## Summary

### What We Learned

- Communication with key stakeholders is essential
- Strategies to overcome restraining forciers
- Perseverance is necessary when trying to effect change

### What We Would Do Differently

- Improve communication with key stakeholders
- Involve more key stakeholders early on in the process
- Enhance teamwork and collaboration among group members

## References

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### Figure List

Figure 1. Roche Diagnostics [Online Image]. (n.d.) Retrieved April 19, 2021 from <https://diagnostics.roche.com/global/en/products/instruments/accu-check-inform-ii.html>