

# Q2 Roller Implementation in Medical ICU: A Quality Improvement Project

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## Background

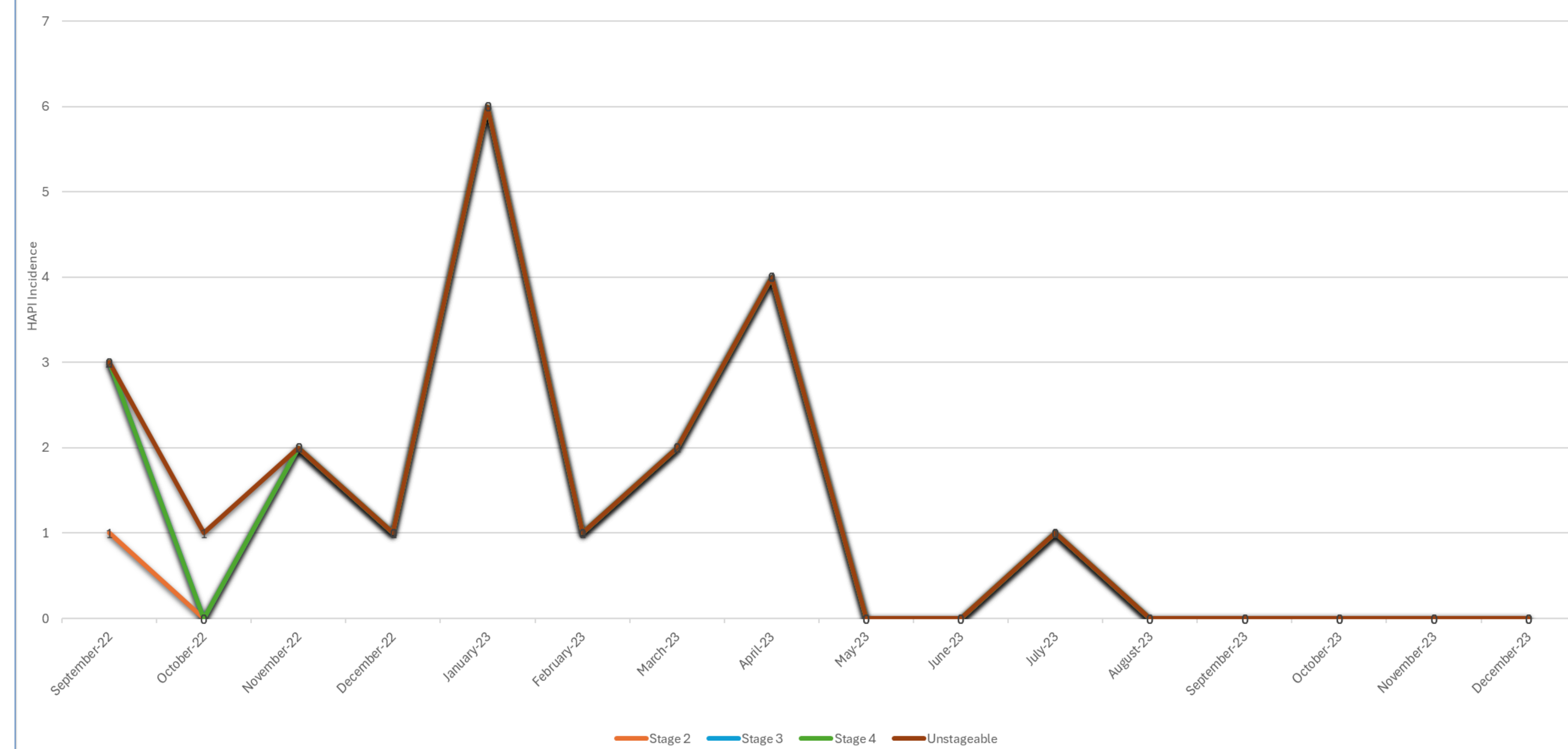
- September 2022, Medical ICU was responsible for 32% Hospital Acquired Pressure Injuries (HAPIs) for Covenant Medical Center
- The cost of a single HAPI is estimated to be \$14,506 (Agency for healthcare research and quality, 2017)
- Q2 Rollers are a patient repositioning system which allows turning and repositioning of patients through an air system (HoverTech international, 2023)



## Actions Taken

- Collaboration between Nursing and Central Supply for availability of Q2 Roller
- Established standard to use Q2 Rollers
- Education provided to Medical ICU staff
- Coordinated with Central Supply to order Q2 Roller
- Q2 rollers used on intubated and patients over 250lbs
- In-person in-services provided by HoverTech product representatives and Safe Patient Handling Coordinator
- Nursing increased ability to turn patients regardless of staff availability

Medical ICU HAPI Incidence



## Results

- The incidence of Stage 3, Stage 4, and Unstageable HAPIs decreased in Medical ICU post implementation
- By August 2023, Medical ICU reported zero Stage 2, Stage 3, Stage 4, and Unstageable HAPIs

## Conclusion

- Plans for sustainability include staff feedback and re-education and opportunity to evaluate the change