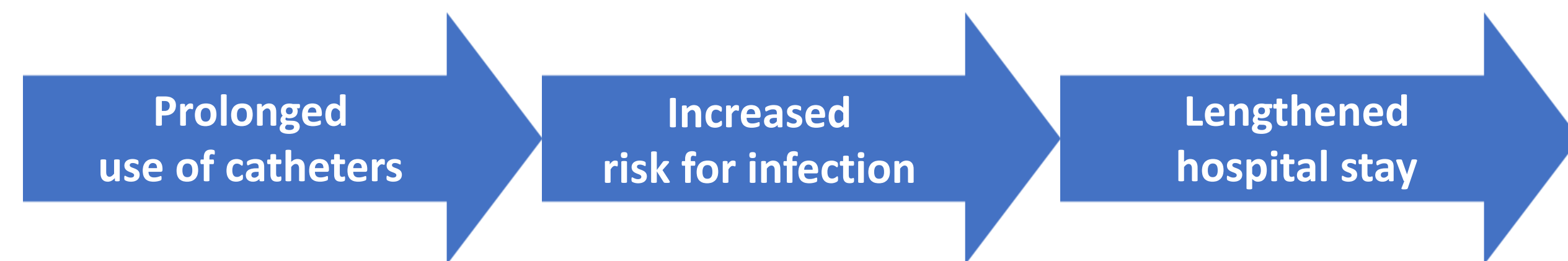


M-Safety P1: Improving Awareness of Catheters and Skin Wounds to Reduce Hospital-Acquired Infection

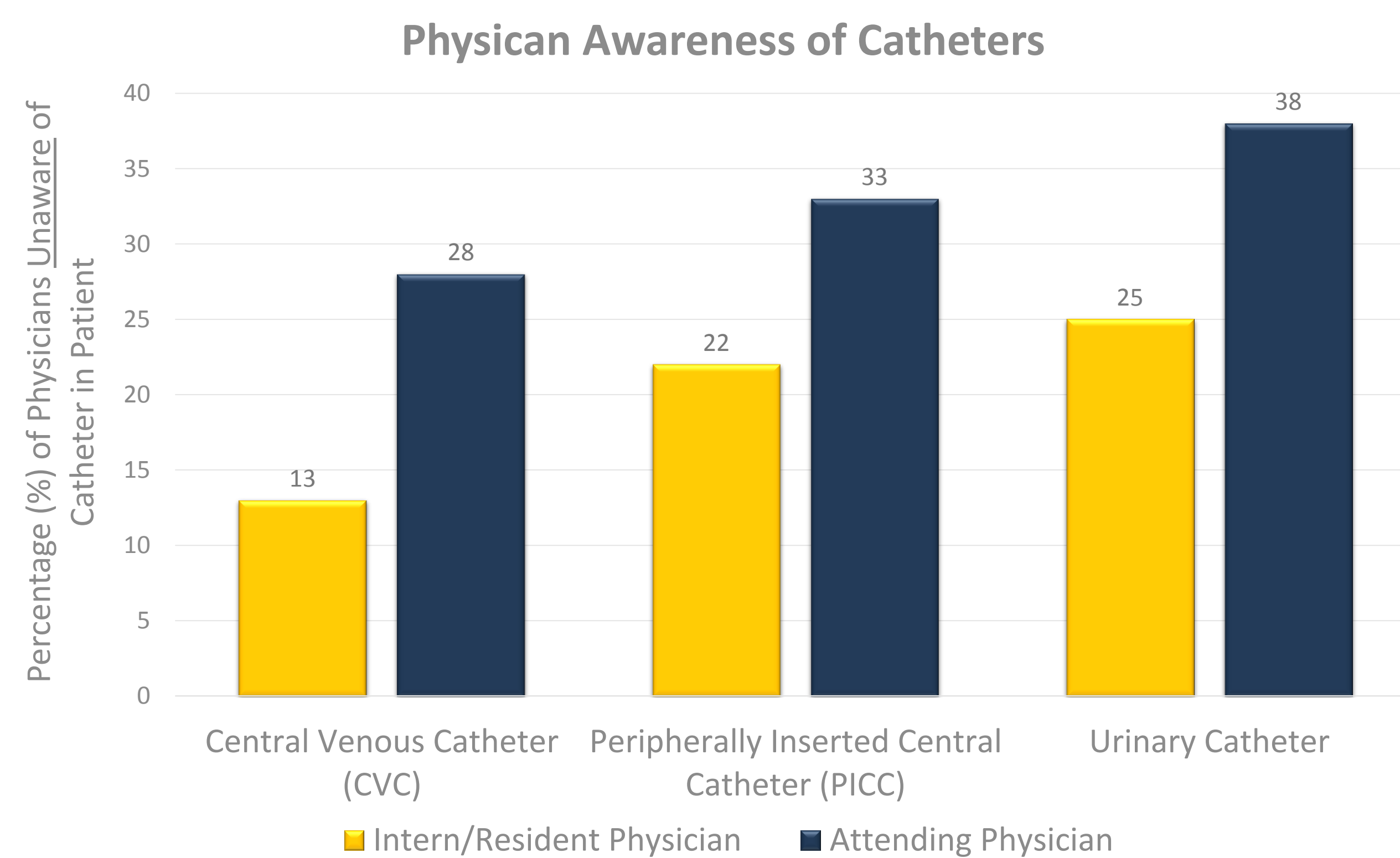
Lauren Hirth, Jhuree Hong, Sheridan Tobin, Kristine Wang, Jessica Ameling, MPH, Amy Cohn, PhD, Jennifer Meddings, MD

Problem Statement

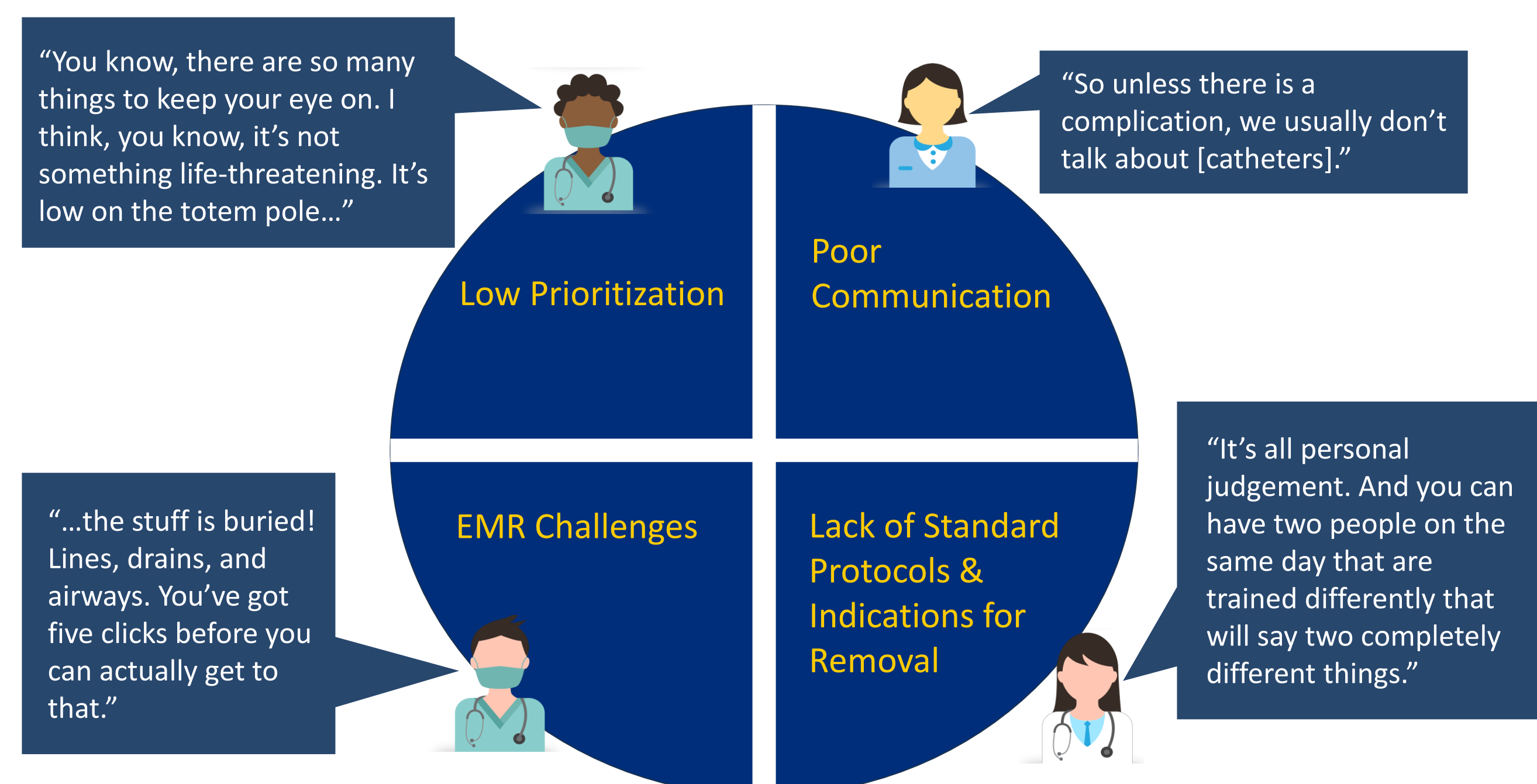
Catheters are often necessary for patients with prostate problems, following surgery, or needing medicines over a long period. However, prolonged catheter placement does pose risks that must be managed.



Unfortunately, the literature shows that physicians are often unaware of the presence of catheters in their patients.

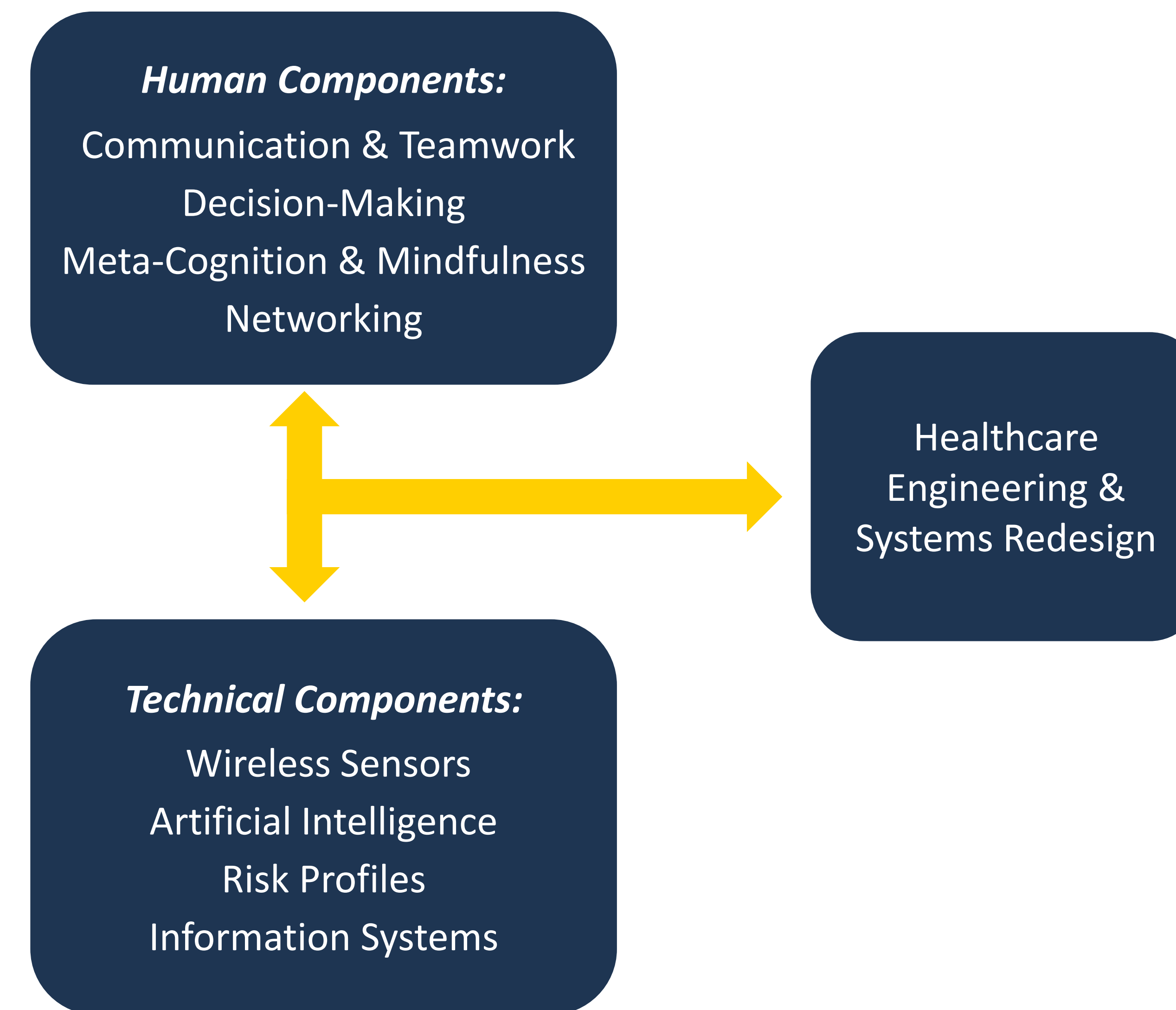


Communication between nurses and physicians is often reduced due to lack of physical interaction and dependence on the electronic medical record.

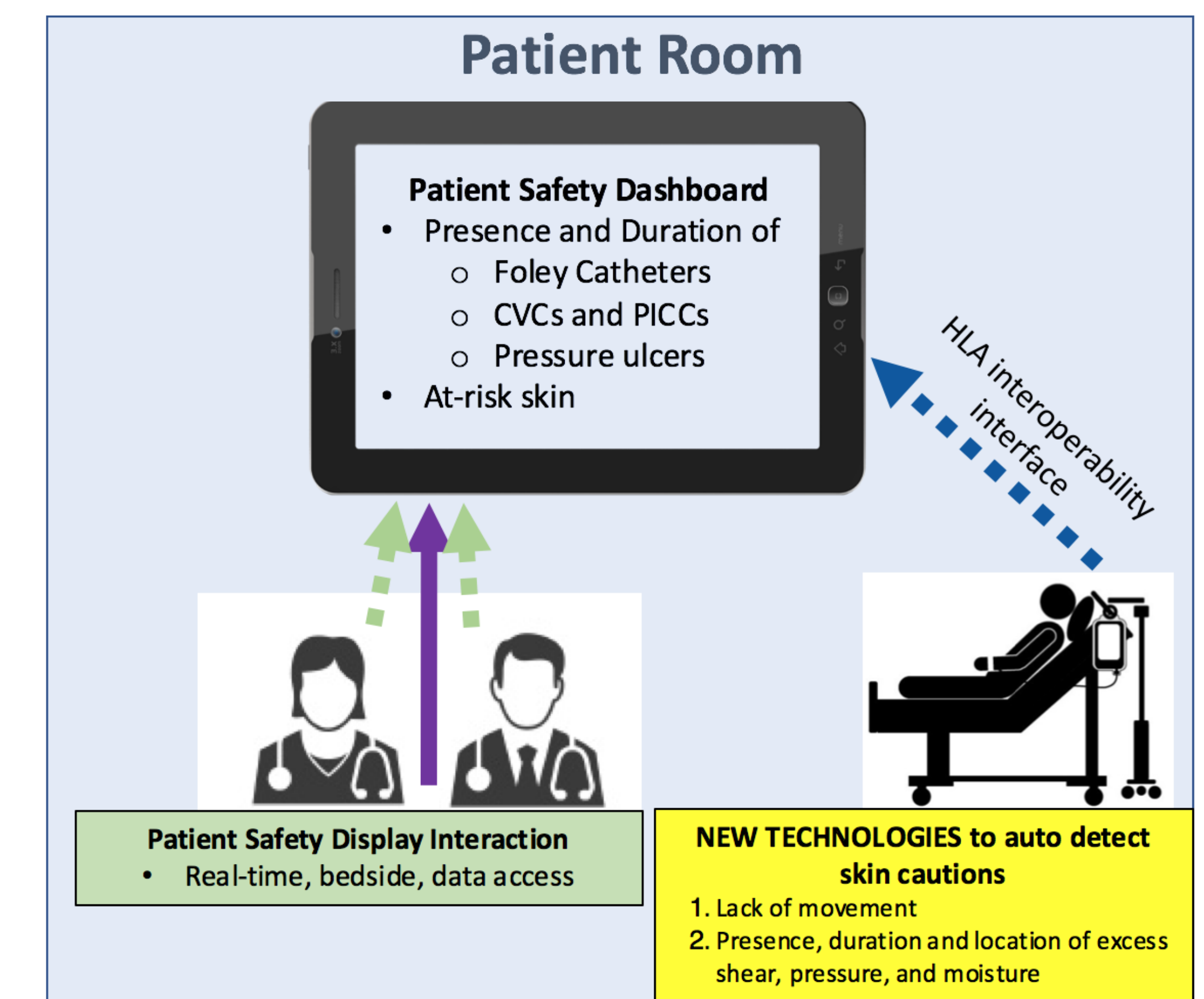


Ameling, J., Quinn, M., Forman, J., Sankaran, R., Fowler, K.E., Manojlovich, M., Peterson, L., & Meddings, J. (2017, March). Clinician-identified barriers to removing unnecessary urinary and vascular catheters. Poster presented at The Society for Healthcare Epidemiology of America Spring 2017 Conference, St. Louis, MO.

Solution Approach

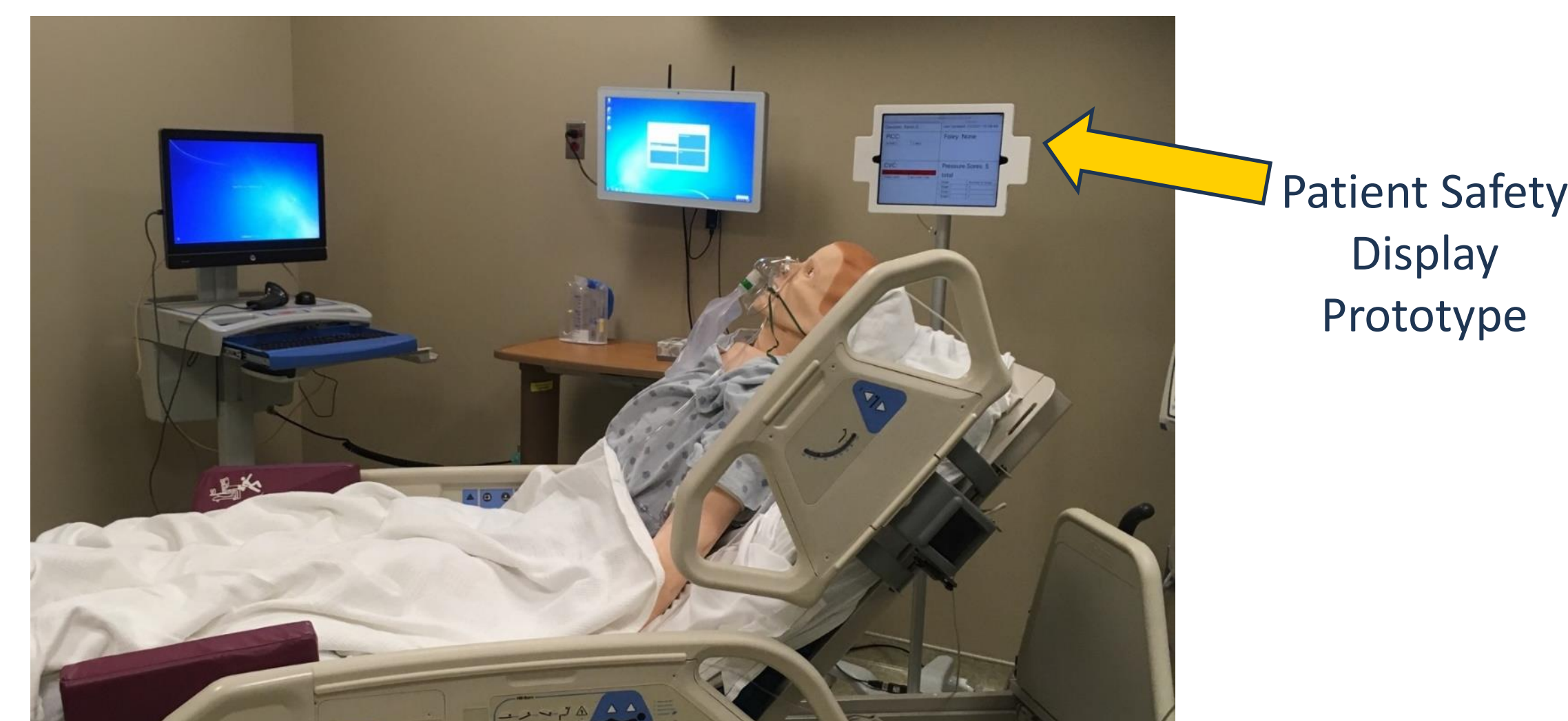


We propose a bedside display to improve provider awareness of risks due to catheter placement and pressure wounds.



Impact & Preliminary Results

Prototyping was conducted in simulation labs in order to receive feedback on the display.



- "I should be able to find all of this information [catheter and skin wound] by doing an exam, so this [our display] is sort of a cane... something to help."
- "That [looking at catheter durations] immediately starts me asking questions like 'why?'"

Our team has collected **317** pre-intervention surveys to assess provider awareness of catheters and pressure injuries.

Provider Data	MiChart Data	Nursing Data
<ul style="list-style-type: none"> Physicians and PAs complete a paper survey after rounding on their patients 	<ul style="list-style-type: none"> Our team records EMR data on the presence of catheters and pressure injuries 	<ul style="list-style-type: none"> We also record the same data from the Daily Management System, which is maintained by the unit's charge nurse

We have completed 16 dates of pre-intervention surveying of Medical providers and have started the same process for Surgical providers.

After the display is introduced into the clinical environment, we will collect similar post-intervention surveys and compare the results.

Future Work

- Continue updating bedside display in accordance with research team requests and with special attention to HIPAA compliance and security
- Continue conducting pre-intervention provider awareness surveys and analyze the results
- Implement the display in clinical unit and conduct post-intervention provider awareness surveys

Acknowledgements

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