



LANE-FALLLAB
ADVANCING PATIENT-CENTERED QUALITY CARE



HATRICC-US

Handoffs & Transitions in Critical Care – Understanding Scalability

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Background

Critical care

- Dynamic clinical environment

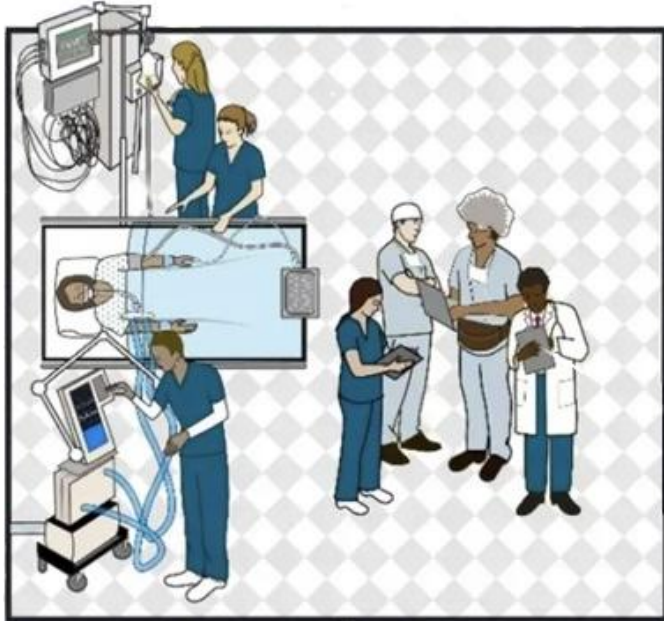
HATRICC (2014)

- Standardize OR to ICU handoff process
- Hybrid effectiveness-implementation trial
- Outcomes of interest: number of information omissions per handoff episode & acceptability of the new process.

HATRICC-US (ongoing)

- Builds on HATRICC work
- Working to close critical knowledge gap about effective implementation strategies in acute care
- standardized handoff protocol in 12 adult & pediatric ICUs in nine hospitals in five health systems

What is a Handoff?



People Involved:

1. ICU Provider
2. ICU Nurse
3. Surgery Rep
4. Anesthesia Rep

Significance:

Important to have a good understanding of this process in order to comprehend observations and implement behavior change that ultimately improves patient care



Study Design & Project Objective

Goals:

1. Understand current critical care handoff practices
2. Develop best practices for critical care handoffs
3. Implement handoff improvement interventions

How do we do this?

1. EPIS
 - a. Exploration, Preparation, Implementation, Sustainment
2. Proctol Evaluation Model → Relates strategies to the outcomes
3. TICD Checklist → characterizing context
4. Implementation and process mapping
 - a. Pool lanes model



Methods: ICU Data Collection at Penn Presby TSICU

Data Collection in ICU

1. Handoff Form
 - a. Watch for: monitor transfer by non-handoff staff
 - b. Listen for: provider introduction, past medical history, report from surgery, anesthesia & ICU provider, etc

2. NASA TLX
 - a. Given to ICU and OR providers
 - b. Asks about physical, mental demand of job, provider experience of handoff
 - c. Demographic information



Methods: Data Summaries for Contextual Inquiry Process Maps

1. Quantitative
 - a. Data from Handoffs Case Report Form
 - b. Perspectives Summary

2. Qualitative
 - a. Open Response from Handoff Case Report Form



Next Steps in HATRICC-US

1. Continuing data collection for efficacy and standardization of handoffs to improve patient care
2. Planning for stepped wedge implementation of interventions at certain sites
3. Engaging HATRICC participants in focus groups to gain more info regarding handoffs



Lessons

1. Importance of communication & team work (both in clinical practice and research)
2. Implementation mapping & changing behavior in organizations is hard work!
 - a. Many steps/details in the process



Acknowledgements

Dr. Lane-Fall, MD, MSHP

Casey Vaughan, MBDS

The HATRICC Team

Dave (from the ICU!)

Joanne Levy, MBA

The SUMR program

