

# Behavioral Economic & Staffing Strategies To Increase Adoption of the ABCDEF Bundle in the ICU

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**A** Assess, prevent, & manage pain

**B** Both SATs & SBTs

**C** Choice of analgesia & Sedation

**D** Delirium: Assess, prevent, & manage

**E** Early exercise & mobility

**F** Family engagement

# Study Aim

- Compare the effectiveness of *real-time audit & feedback* & *RN implementation* facilitator on ABCDEF bundle adoption (**primary study outcome**) and **secondary outcomes**



# Health Care Systems, Providers, and Patients

**Hospitals**: 3 geographically & organizationally separate safety net hospitals

- High rurality

**ICUs**: 12 ICUs that each admit at least 300 patients requiring MV annually

**Clinicians**: Physicians, advanced practice providers, RNs, RTs, pharmacists, PT/OTs, ICU/hospital administrators, & IT specialists, participate Aim 3

**Patients**: All adults treated with MV admitted to a participating ICU

# Healthcare System Partnership

- Intervention at its core in interdisciplinary
  - Bundle champions at all levels
- The “F” in ABCDEF puts patients and families at the core
- Partnership at all levels
  - HR, informatics, legal, nursing, physician, crit care societies

# Challenges: Ongoing and Expected

- Incorporating into existing workflows and electronic health records systems
  - Not just a checkbox / extra work
- 24/7 staffing and care
- Caregiver availability / rurality
- Language

# Retrofitting, re-imagining, and re-designing.

## Retrofit

- ICU and Hospital
  - Rounds
    - Timing
    - Family Engagement
  - Dashboard: Transparency to all
- Electronic Health Records
  - Order sets
  - Flowsheet additions
  - BPAs
  - 3<sup>rd</sup> Party Apps

## Re-imagine

- ICU and Hospital
  - RN Nurse Facilitator
    - Family engagement
    - Clinical Liaison
  - Communication/ video technology
- Electronic Health Records
  - Interdisciplinary sharing of information

## Re-design

- ICU and Hospital Environments
  - Hours
  - Space
  - Home
- Electronic Health Records
  - Family participation / documentation

Thank You!



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