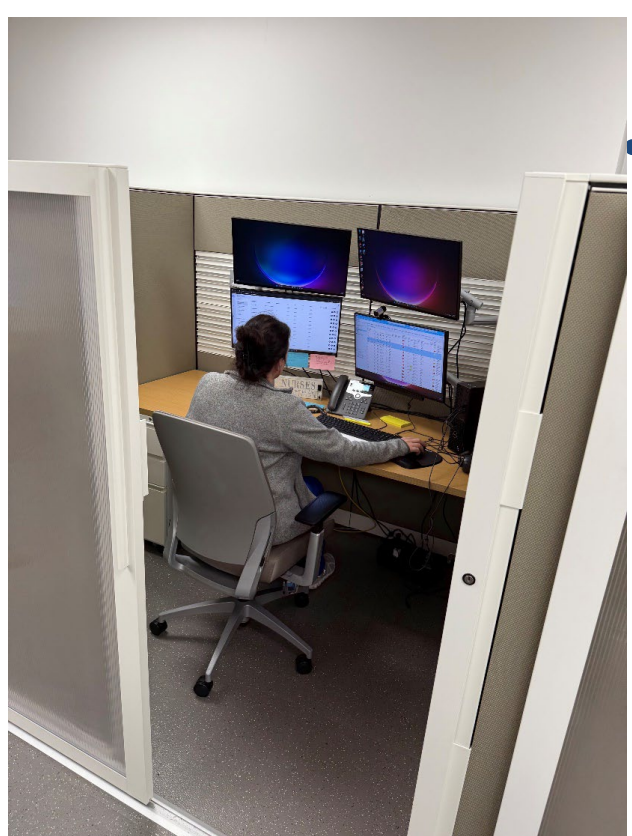


INTRODUCTION / CHALLENGE

The U.S. is facing a significant **nurse staffing crisis**, limiting hospital bed availability and service capacity, particularly in rural states like Mississippi, where 38% of hospitals are at **risk of closing**.

SOLUTION: Disrupting Nursing Shortage Introducing the Virtual Nurse

Virtual Nursing Bunker



- Admission**
- Review of patient data
- Discharge**
- Patient education
- Coordination of Care
- Rounding**
- Identification of need
- Safety checks
- Pain reassessment

Bedside RN Team



IMPLEMENTATION AT UMMC

Pilot Program

Implementation - March 20, 2023

- 6 West: 14 Bed Unit
- Adult Med-Surg

Staffing Structure

- Onsite - "Bunker"
- 9am-9pm, 7 days a week

Technology

Patient Room

- Pan/Tilt/Zoom Camera and Monitor, Speakers
- iPad with MyChart Bedside (education, satisfaction questionnaire)

Virtual Nurse Bunker

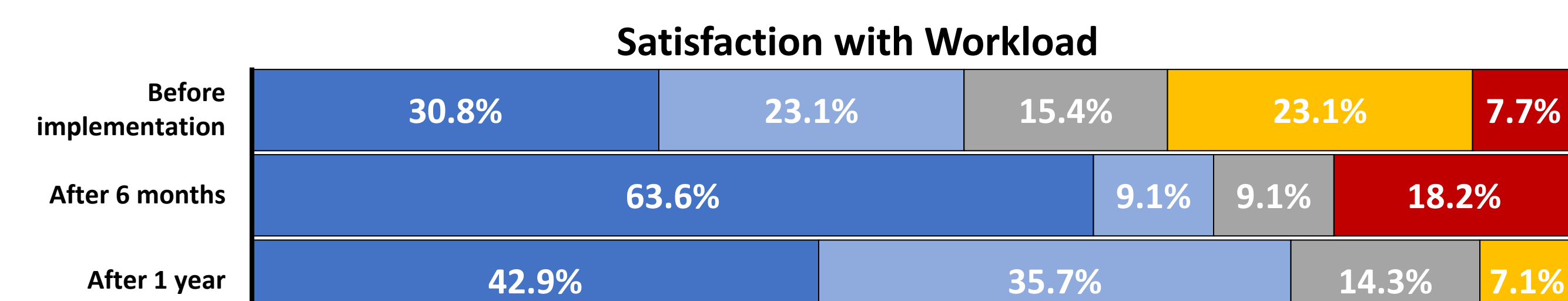
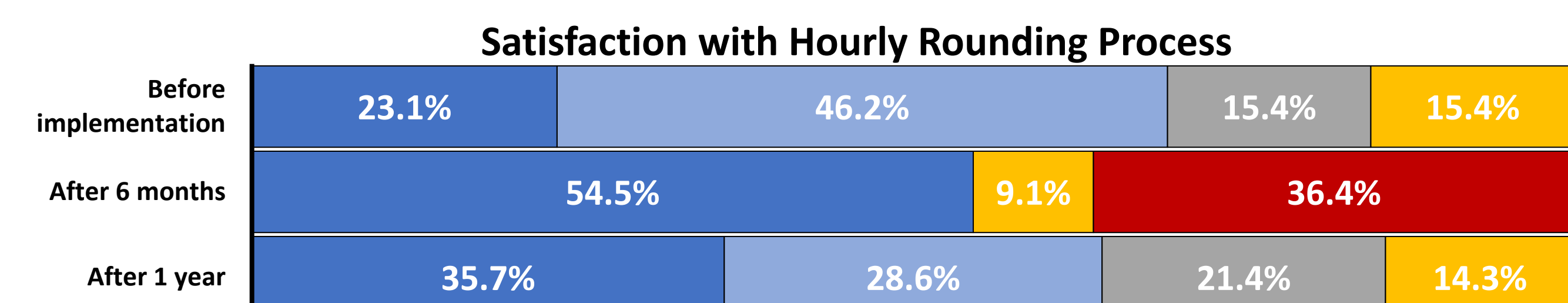
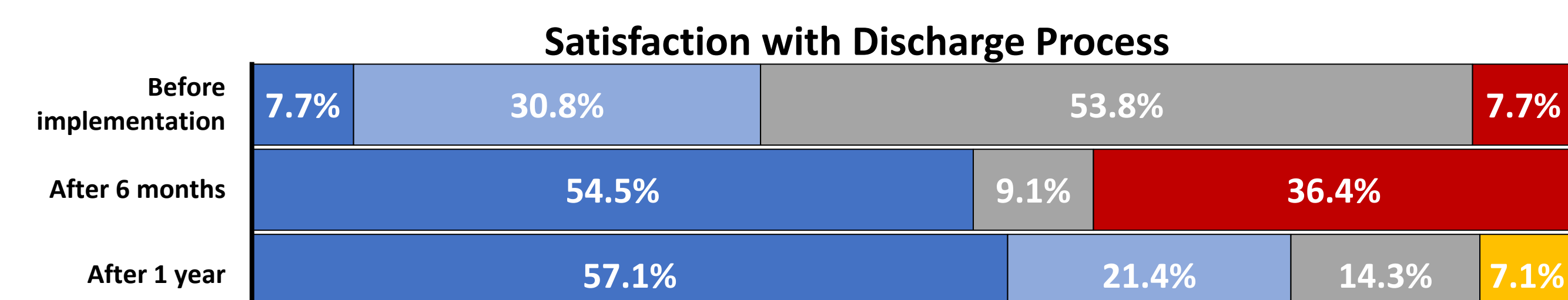
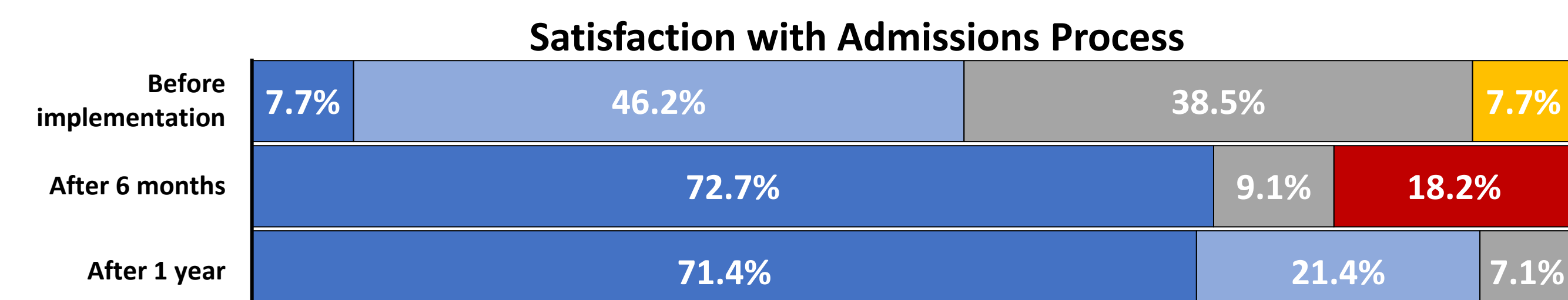
- Secure Chat Integrated with EPIC Platform
- 4 Screens: Hyperspace, Focuses Patient, Video Call, EPIC Monitor



RESULTS

Bedside Nurse Satisfaction

Extremely satisfied Somewhat Satisfied Neither satisfied nor dissatisfied Somewhat dissatisfied Extremely Dissatisfied



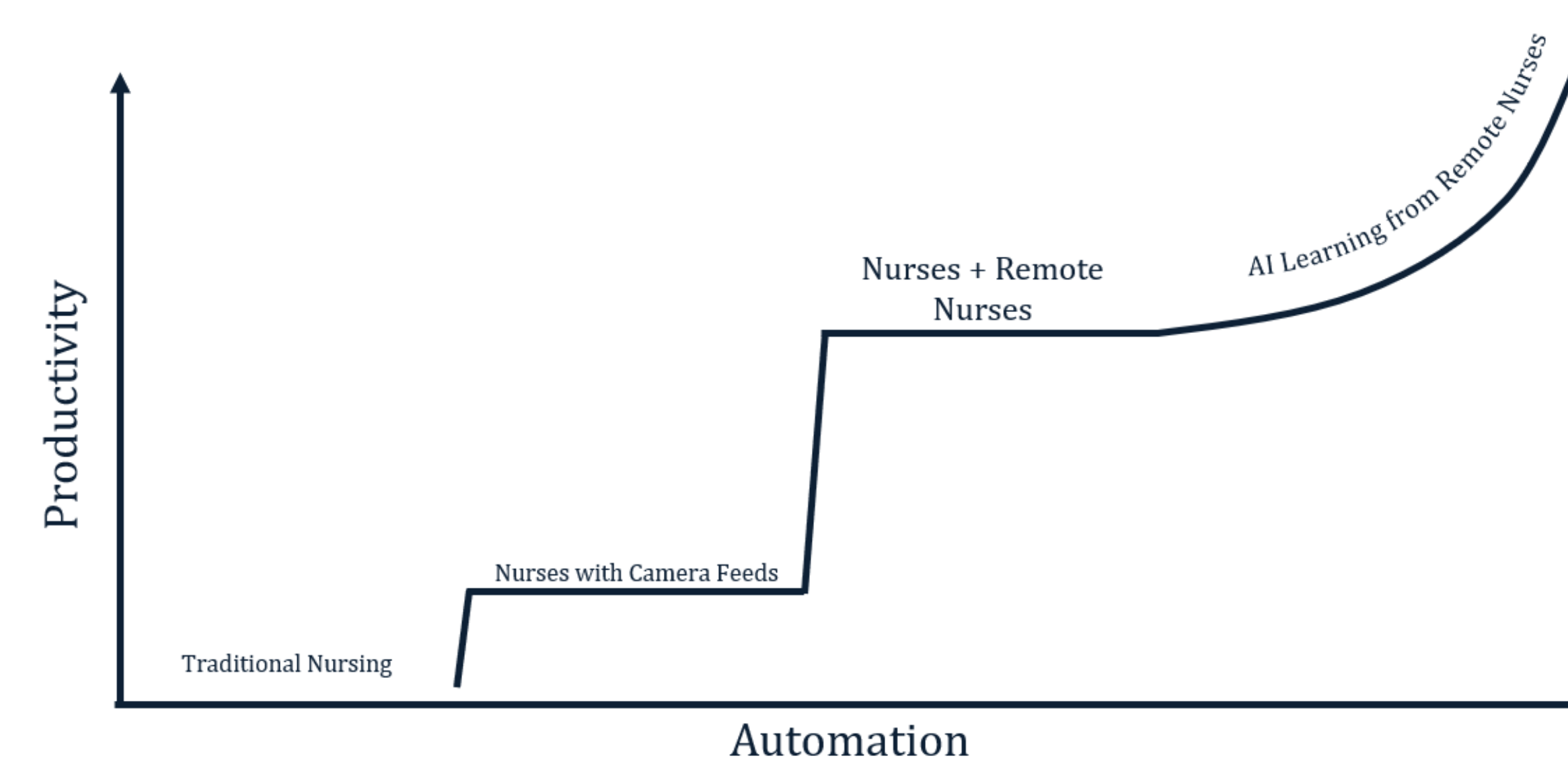
Results

0%
RN Turnover
In the first 18 months

Patient Satisfaction

- 76% UNDERSTOOD THE ROLE OF THE VIRTUAL NURSE
- 78% WOULD LIKE TO RECEIVE CARE FROM A VIRTUAL NURSE DURING FUTURE VISITS
- 81% COMMUNICATION WITH THE VIRTUAL NURSE WAS EASY

NEXT STEP: INTEGRATION OF AI TECHNOLOGY

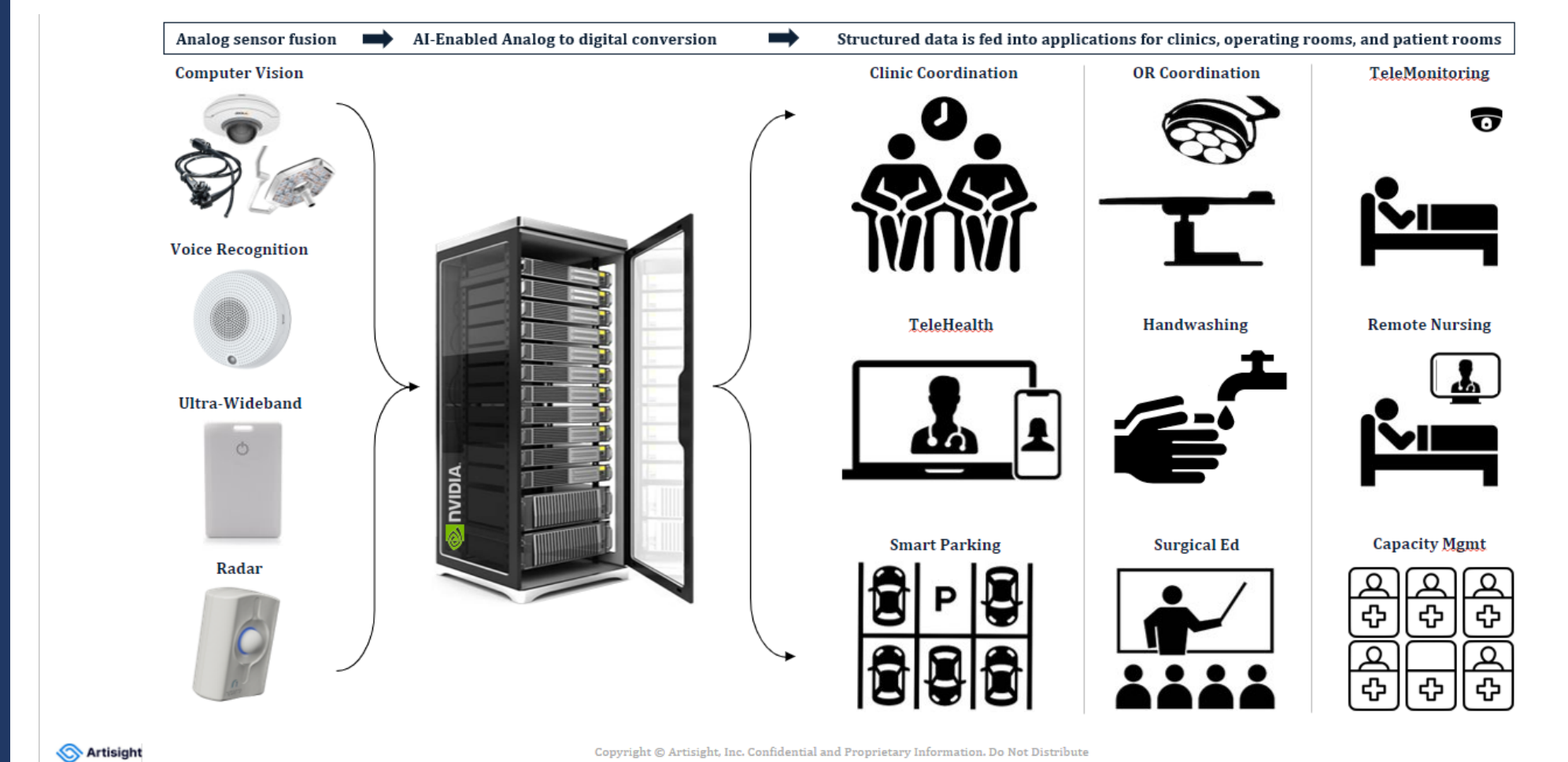


Virtual Nursing + AI-powered Virtual Observation

Pilot Program

- AI technology implemented on 6 West and 4 North (46 beds)
- Initial focus on Fall Prevention
- Staffing**
- Tele Sitters 24/7
- VRN 9am-9pm, 7 days

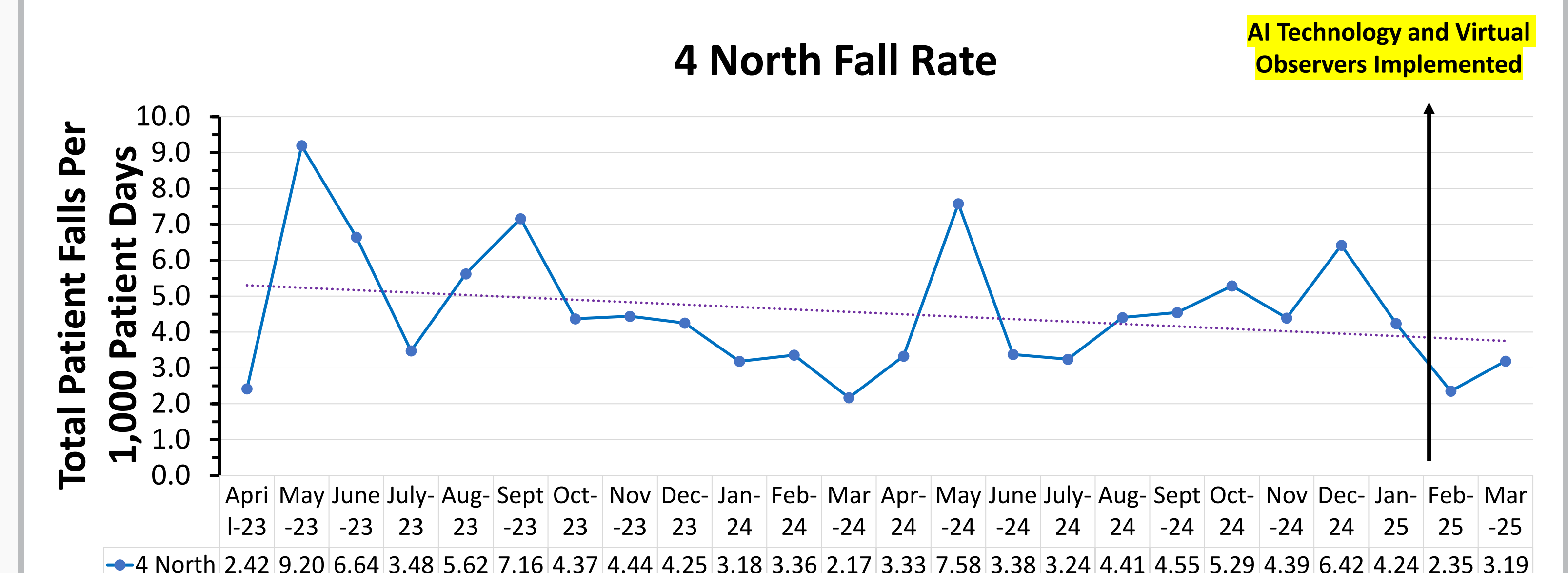
AI-Powered Platform Built By Clinicians



FALL PREVENTION ALGORITHM



PRELIMINARY RESULTS



We expect that AI-powered virtual observation will augment ongoing efforts to prevent falls in hospital nursing units.

CONCLUSION

The Virtual Nursing program has the potential to provide multi-faceted benefits in multiple hospital settings.