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Active Nursing Research Studies as of 1-2024 (Study summaries),

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Nursing Clinical Action Team Chair and Co-Chair Education: Back to Basics in Leading the Unit-Based Team
PI: Vicki Babb, Kelly Ray, BreAnn Taylor, Debbi Bowman
Assess the NCAT chair and co-chair's understanding of the NCAT's role in Shared Governance and identify any educational needs. After the initial assessment, a 4-hour education course will be completed with all current NCAT chairs and co-chairs, and a post-class survey will be completed after attendance and then repeated in six months to one year.
Project ROSC-O
PI: Kaylyn Kistler
Evaluate the implementation of a therapy dog program in the Comprehensive Heart Treatment (CHT) Unit using the Copenhagen Burnout Inventory to measure staff burnout in three categories: personal, work-related, and client-related burnout. Comparison of the pre and post-survey data will help identify if the therapy dog has improved overall staff satisfaction and decreased burnout on the unit.
Assessment of Nurse Perceptions Related to Shared Governance Culture
PI: Erin LaCross, Naomi Adamski, Brooke Randol, Stacy Greene, Preston Jennings, Jennifer Sorg, Olivia Figura, Rebecca Howard Kelly Ray, Amber Childers, Kristy Jackson, Christine Fawcett
Assess the current state of our shared governance councils at Parkview Health. After the initial assessment, changes will be implemented to the shared governance process, and the surveys completed post-implementation in six months to one year.
Nursing Evidence-Based Practice Survey Assessing Nursing Knowledge
PI: Lisa Morgan
Identify the knowledge level of nurses related to EBP and their perceptions of the system implementation climate among inpatient nurses working at Parkview Health. This study will assist with informing the continued development of EBP educational offerings at Parkview Health.
Custom Machine Learning Model for Hospital-Acquired Pressure Injuries (HAPI)
PI: Andrea Conley, Brooke Randol
Exploring data trends of extrinsic and intrinsic factors in patients who develop skin injuries in the hospital setting will hopefully aid in defining avoidable pressure injuries. Performing a retrospective analysis on the HAPI predictive model, custom to Parkview Health's population will assist in defining risk factors for a HAPI. Further intent, if successful, would be to implement this model into not-yet-defined workflows.
Exploration of Intrinsic and Extrinsic Factors of Skin Injury in Intensive Care Units
PI: Andrea Conley, Brooke Randol
Assess common factors identified in the National Pressure Injury Advisory Panel (NPIAP) position paper (on unavoidable pressure injury during the Covid-19 pandemic) and found in patients who develop hospital-acquired pressure injuries while admitted in the ICU with the potential for publication and adding to the currently available evidence. The intent of this study is to contribute to the body of knowledge concerning unavoidable skin manifestations to discern them from avoidable pressure injuries in the acute care setting.
Twice Daily Nurse-Driven Spontaneous Awakening Trials Improves Delirium
PI: Kellie Girardot
Examine the relationship between nurse-driven and physician-driven spontaneous awakening trials and the impact on delirium in trauma patients.
DoubleCHEK for Feeding Tube Placement in Premature Infants
PI: Jennifer Thieman
Assess if a new FDA-approved device, DoubleCHEK™ adequately detects pH and CO2 levels during gastric tube insertion in neonates. At initial placement, the gold standard is verification with an X-ray. With the addition of CO2 detection, verification of appropriate placement could be completed without an X-ray and its' associated radiation exposure. In addition to decreased radiation exposure,

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there is a decrease in cost to both the hospital and the patient by eliminating the x-ray cost and time spent by additional personnel to complete the x-ray.
Outcomes Related to the Use of a Standardized Tiered Skill Acquisition Model
PI: Stephani Schultz, Holly Platt, Abby Gaff, Chelsea Tetzlaff, Donna Hitzeman, LaToshia Gilbert, Meghan Winebrenner
Identify the experiences of nurse preceptors before and after standardized tiered skill acquisition model (TSAM) implementation and the impact on the outcomes of nursing orientation. Outcome measures include a pre and post-survey identifying preceptor experiences, first year nursing turnover, orientation time, and successful orientation on the initial nursing unit.
Nursing Evidence-Based Practice Survey Assessing Nursing Knowledge
PI: Lisa Morgan MSN, RN, CNRN, AGCNS-BC; Jan Powers PhD, RN, CCNS, CCRN, NE-BC, FCCM, FAAN
Identify the knowledge level of nurses related to EBP and their perceptions of the system implementation climate among inpatient nurses working at Parkview Health. This study will assist with informing the continued development of EBP educational offerings at Parkview Health.
A Quantitative Pilot Study to Assess the Effect of a Weighted Blanket Intervention for Agitation Reduction on Patients in Medical Units
PI: Andrea D. Conley, MSN, RN, AGCNS-BC, MSCRN; Kristen Emenhiser, BSN, RN, CMSRN; Rebecca Havens, BSN, RN, CMSRN
This study assesses the effectiveness of a weighted blanket for the reduction of agitation in hospitalized medical patients. This research may be beneficial in offering an alternative non-pharmacologic intervention for patients with agitation.

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DrIFT 2 Study: Displacement in Feeding Tubes
PI: Jan Powers PhD, RN, CCNS, CCRN, CNRN, NE-BC, FCCM
Determine if small bore feeding tubes (FT) migrate over time in critically ill adults receiving usual care. Identify factors associated such as mobility and position changes that may affect feeding tube migration. Findings may inform recommendations for clinical practice regarding the frequency of FT placement verification.
Continuous Glucose Monitoring in Medical and Open-Heart Surgical Patients
PI: Philip Roberts, MSN, MBA, RN, CCRN; Andrea D. Conley, MSN, RN, AGCNS-BC, MSCRN
Evaluate the agreement of continuous glucose monitoring (CGM) interstitial glucose results with point-of-care (POC) capillary glucose results in acute medical patients and open-heart surgical patients and evaluate the effect of the CGM trend arrows on POC glucose testing and hypoglycemic events. Evaluation of CGM in these patient populations will add to the body of literature that supports the utilization of CGM in inpatient settings.

Still Active – Studies initiated prior to 2023
Effect of Warming IV Fluids During MICU Transport on Patient Comfort and Temperature
PI: Jennifer Esslinger BSN, RN, CFRN, CTRN
This study is to determine if during the transport of critically ill patients receiving intravenous fluids (IVF), the use of an IVF warmer may increase comfort, reduce pain, and prevent hypothermia.
Validation of an evidence-based, nurse-designed fall risk assessment tool: Study 2
PI: Lindy Bilimek MSN, RN, AGCNS-BC
The ADAPT Fall Risk Assessment Tool was designed to decrease instances of avoidable falls by providing nursing with the tools necessary to determine each patient's risk of falling and to readily act

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upon these risk factors. The inter-rater reliability (IRR) of the ADAPT Fall Risk Assessment Tool will be evaluated in a real-world nursing setting.