**Kate Heise, APRN, CNP, MSN, MBA**

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# Professional Summary

Clinical innovation and data strategy leader with over a decade of experience bridging frontline healthcare, digital systems, and enterprise operations. Proven ability to translate clinical insight into scalable solutions. Expertise in Epic build, predictive analytics, and real-time decision support tools. Former U.S. Air Force IT specialist with a systems-thinking approach to care delivery and digital transformation.

# Select Experience

Supervisor, Critical Care NP/PA Team

Mayo Clinic, Rochester, MN | 2021–Present

* Lead cross-functional care across Transplant ICU/PCU and virtual ICU.
* Founded RAPID (Rapidly Accelerating Problems and Ideas), now scaled hospital-wide to support frontline-led innovation.
* Spearhead Epic builds and data partnerships, including:
* • Automation of the PIM3 score for pediatrics, eliminating 1–2 FTE of manual abstraction.
* • Integration of ICU Rounding Tool into Epic, improving adherence to daily best practices.
* • Early design and testing of CEDAR deterioration alerts and AMP multi-patient viewer.
* Collaborate on real-time dashboards and predictive models with analytics and IT.

Assistant Supervisor & Critical Care NP

Mayo Clinic, Rochester, MN | 2014–2021

* Delivered clinical care in high-acuity ICU settings.
* Partnered on early workflow design and technology pilots.
* Supported onboarding, scheduling, and practice quality initiatives.

Registered Nurse

Mayo Clinic Health System, Fairmont, MN | 2009–2014

* Provided bedside care in ICU, ED, and inpatient units.
* Participated in early virtual care and quality improvement initiatives.

Staff Sergeant, IT Systems Lead

U.S. Air Force | 2000–2007

* Managed deployment and operations of critical communication infrastructure.
* Led mobile network setup, end-user system support, and satellite uplinks.

# Instructor & Assistant Professor of Medicine

Mayo Clinic College of Medicine and Science  
• Deliver education in clinical reasoning, technology, and critical care.  
• International faculty through CERTAIN, supporting global ICU learning.  
• Developed ICU Smart, a patient-facing tool for engagement and transparency.

# Core Competencies

* Bridging clinical needs with scalable digital solutions
* Epic workflows, predictive monitoring, and clinical decision support
* Real-time analytics for ICU deterioration detection
* Leading frontline-driven innovation at scale
* Interdisciplinary education and collaboration

# Education & Credentials

* MBA, Healthcare Communication – Bellevue University
* MSN, Adult-Geriatric Nurse Practitioner – St. Catherine University
* BS, Healthcare Management – Bellevue University
* AAS, Information Systems – Community College of the Air Force
* Certificate, Data Analysis & Visualization – University of Minnesota
* Epic Physician Builder Certified (Basic, Analytics, Advanced)

# Awards & Recognition

* Karis Award, Mayo Clinic (2021)
* Innovation in Education, SCCM (2022)
* Outstanding Faculty, Mayo CPD (2021)
* Leadership Award, USAF Airman Leadership School (2006)

# Highlighted Projects & Innovation

* RAPID – Frontline innovation platform scaled across hospital operations
* Epic PIM3 Automation – Pediatric severity score automated using non-discrete EHR data
* ICU Daily Rounding Tool – Epic-integrated best practices checklist
* CEDAR – Predictive deterioration alert tool and Epic workflow integration
* AMP – Real-time clinical viewer supporting proactive monitoring
* Stay Conference – Onsite multidisciplinary critical care education event
* ICU Smart – Digital engagement tool for ICU patients and families

# Committees & Affiliations

* Critical Care EHR Subcommittee
* Quality Subcommittee, Critical Care IMP
* Rochester Hospital Virtual Care Subcommittee
* Critical Care Digital Strategy Workgroup