

# 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***

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- 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***

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- 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***

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- 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***

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- 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