

## Associate Chief Medical Informatics Officer

Dedicated, innovative, and energetic **Healthcare Informatics and Operations Leader** with diverse and transferable experience delivering innovative solutions in fast-paced healthcare environments. Seasoned in sourcing, adopting, integrating, and supporting innovative technology solutions and tools that improve healthcare delivery in both population health and precision medicine levels. Proven track record of collaborating across all healthcare levels to address and advance strategic priorities and analyze outputs. Hands-on collaborator and influencer with excellent communication, analytical, creative thinking, and problem-solving skills. *Areas of expertise include:*

**Healthcare & Medical Informatics ♦ Data Analytics & Visualization ♦ Population Health Transformations  
Hospital Operations Leadership ♦ Technology Integrations ♦ Process Development & Improvement**

**Technical Snapshot: Epic Clarity & Caboodle Clinical Data Models, Reporting Workbench & SlicerDicer  
Development, Healthcare Data Standards, Relational Databases, Node.js, RESTful API Design, SQL, Python,  
JavaScript, Golang**

### CAREER EXPERIENCE

Prisma Health, Greenville, SC

December 2020 – Present

#### Associate Chief Medical Informatics Officer

Promoted into a role supporting clinical data analytics and population health strategy for Prisma Health aimed to engage all clinical facets of the organization into a continuous data driven environment. I collaborate with technical resources, clinical leadership and end users, quality improvement teams, and health system leadership to design, acquire, and implement modern data analytics toolsets, build reporting structures, and provide education to achieve system analytics goals.

- Serve as the system's lead physician builder overseeing clinical build within the Epic Physician Builder program.
- Serve as physician champion of the organization's healthy planet team which forms the basis of Prisma Health's EHR population health strategy. Projects within healthy planet include designing and leading implementation of acute care 'checklists' aimed at guiding appropriate clinical care in real time and with minimal interruption to providers' workflows and creation of internal and external registry tools to monitor care performance metrics.
- Personally develop custom reporting of high value clinical quality metrics and research datasets by leveraging Snowflake, MS SQL Server, Power BI, and Python where clinical expertise is needed to ensure accurate reporting of complex medical processes and outcomes.
- Serve as a clinical advisor and informaticist to operational and clinical reporting teams to intake, vet, verify, and produce reporting for departments throughout the organization.
- Serve as a member of the organization's Data Governance committee to develop and cultivate appropriate and open access to validated and normalized data across the organization.
- Serve as an ongoing adviser and subject matter expert to the Risk Management and Quality Department on provided RCAs for safety issues that arise.
- Selected to serve on and provide subject matter expertise to numerous system-wide committees, including:
  - Clinical Decision Support Governance (2022 – Present)
  - Acute Care Advisory Group Co-Chair (2021 – Present)
  - Physician Builder Workgroup – Lead Physician (2020 – Present)

- o Practitioner Communications Executive Committee (2017 – Present)
- o Hospital Medicine Operations Council (2016 – Present)
- o Epic Physician Advisory Committee (2015 – Present)

Prisma Health, Greenville, SC

November 2014 – December 2020

## **Physician Informaticist & Hospitalist**

Serve in a triple capacity spanning internal medicine and clinical informatics functions. Administer internal medicine care to acutely ill patients hospitalized across the healthcare system. Provide clinical informatics support across multiple different informatics priorities and committees.

- Lead non-EHR clinical informatics projects from ideation to successful completion, including serving as an executive sponsor of the system's implementation of a secure messaging system used by 10,000+ clinical and administrative staff across the healthcare system.
- Further transformed the messaging system to include additional critical functionalities and tool solutions including HIPAA-compliant text messaging, EHR integration, a centralized user contact directory, and a system-wide on-call scheduling tool for physicians and advanced care providers.
- Shepherded the messaging system in sending 30M+ secure healthcare messages to date, with 10,000+ new messages added daily and led all initial training via a train-the-trainer method across in-house project implementation teams.
- Played an instrumental role as a key member of the Enterprise Breakthrough 2.0 Data Healthcare Models and Infrastructure Project team focused on modernizing Prisma Health's care delivery model by deeply integrating data analytics and population health elements. Selected efforts and results thus far include:
  - o Developed standard data objects to represent clinicians, patients, and treatment locations within the healthcare system.
  - o Created additional key components, including identifying infrastructure tools and standards to capture data from the system's various technology platforms for integration into a useable data warehouse.

PerfectServe, Knoxville, TN

July 2018 – Present

## **Clinical Advisory Board Member**

Recruited to provide clinical insight across key product development efforts of a KLASS leading secure healthcare communications platform and healthcare scheduling software. Collaborate across technical, product, and clinical teams to define, integrate, and support all product development and innovation activities.

- Successfully delivered numerous EHR integrations using HL7 interfacing, thereby making patient information readily available within the application and reducing patient identification errors while maximizing high-quality communications with less effort.
- Aligned RESTful APIs with an enterprise scheduling system that enabled the successful digital implementation and integration of all 2,000+ physician and APP schedules into a live, single platform scheduling system that feeds data directly into TelmedIQ for consistently up to date on-call provider information used to rapidly identify and communicate with the correct clinical for every hospitalized patient.
- Supported a critical TelmedIQ adoption across Prisma Health (formerly Greenville Health System) and other high-profile clients.

- Continue to routinely meet with product designers, technical support personnel, and engineering teams to help improve product workflows, design new features, and troubleshoot areas of concern.

UNIVERSITY OF SOUTH CAROLINA SCHOOL OF MEDICINE, Greenville, SC

August 2016 – Present

## **Assistant Clinical Professor of Medicine**

Serve as clinical instructor of Hospital Medicine to medical students and residents while on rotations within hospital wards and intensive care units. Provide ongoing lectures on various clinical, financial, and informatics topics.

- Currently serving as the inaugural program director for a new clinical informatics fellowship program accredited by ACGME in September 2021. Tasks include curriculum creation, evaluation tools, faculty recruitment, professional development, and completion of an extensive ACGME application. Fellow and faculty recruitment is ongoing. Inaugural fellows' matriculation anticipated in July 2025. Fellows will graduate with board eligibility in Clinical Informatics sponsored by the American Board of Preventive Medicine.

BALTIMORE VETERANS HEALTH ADMINISTRATION, Baltimore, MD

July 2014 – November 2014

## **Emergency Medicine Physician**

Served as an attending physician within the Emergency Department and provided both routine and emergency medical care to veterans.

GREENVILLE COUNTY DETENTION CENTER, Greenville, SC

September 2012 – June 2014

## **Internal Medicine Physician**

Provided internal medicine clinic coverage and on-call emergency visit support to inmates of the county detention center.

## EDUCATION & LICENSURE

**Master of Science in Health & Clinical Informatics** | Oregon Health & Science University (2019)

**Doctor of Osteopathic Medicine** | Lincoln Memorial University (2011)

**Chief Resident** | University of South Carolina School of Medicine – Greenville (2013 – 2014)

**Internal Medicine Resident** | University of South Carolina School of Medicine – Greenville (2011 – 2014)

**Bachelor of Arts in Psychology** | University of Tennessee at Knoxville (2007)

South Carolina Medical License (2011 – Present)

## ACTIVE CERTIFICATIONS

**Board Certified – Internal Medicine** | American Board of Internal Medicine

**Board Certified – Clinical Informatics** | American Board of Preventive Medicine

**ACLS & BLS Certifications** | American Heart Association

**Physician Builder - Basic & Advanced** | Epic

**Physician Builder - Analytics** | Epic

**Physician Builder – Healthy Planets** | Epic

**Clarity, Caboodle, & Clinical Data Models** | Epic

**Cosmos (Research Database) Data Model** | Epic

## PAST INDUSTRY ENGAGEMENT

**Information Technology Committee Representative, GHS** | Initiant Health Collaborative (2015 – 2018)  
**Member & Former National Vice President** | Student Osteopathic Medical Association (2007 – 2011)

## SELECTED HONORS & AWARDS

**Fellow, American College of Physicians** (2023)  
**Compassion Award for Excellent Patient Care** (2019)  
**Resident of the Year, GHS Department of Internal Medicine** (2014)  
**Intern of the Year, GHS Department of Internal Medicine** (2012)  
**National Officer of the Year, Student Osteopathic Medical Association** (2008)

## RECENT PUBLICATIONS & GRANTS

Siddiqui S, Kelly L, Bosch N, Law A, Patel LA, **Perkins N**, Armaignac DL, Zabolotskikh I, Christie A, Krishna Mohan S, Deo N, Bansal V, Kumar VK, Gajic O, Kashyap R, Domecq JP, Boman K, Walkey A, Banner-Goodspeed V, Schaefer MS. **Discharge Disposition and Loss of Independence Among Survivors of COVID-19 Admitted to Intensive Care: Results From the SCCM Discovery Viral Infection and Respiratory Illness Universal Study (VIRUS)**. J Intensive Care Med. 2023 Oct;38(10):931-938. doi: 10.1177/08850666231174375. Epub 2023 May 8. PubMed PMID: 37157813; PubMed Central PMCID: PMC10183337.

Tripathi S, Nadiger M, McGarvey JS, Harthan AA, Lombardo M, Gharpure VP, **Perkins N**, Chiotos K, Sayed IA, Bjornstad EC, Bhalala US, Raju U, Miller AS, Dapul H, Montgomery V, Boman K, Arteaga GM, Bansal V, Deo N, Tekin A, Gajic O, Kumar VK, Kashyap R, Walkey AJ; Society of Critical Care Medicine Discovery Viral Infection and Respiratory Illness Universal Study (VIRUS): COVID-19 Registry Investigator Group. **Association of Early Steroid Administration With Outcomes of Children Hospitalized for COVID-19 Without Multisystem Inflammatory Syndrome in Children**. JAMA Pediatr. 2022 Oct 3;176(12):1208–16. doi: 10.1001/jamapediatrics.2022.3611. Epub ahead of print. PMID: 36190706; PMCID: PMC9531079.

Gupta N, Settle L, Brown BR, Armaignac DL, Baram M, **Perkins NE**, Kaufman M, Melamed RR, Christie AB, Danesh VC, Denson JL, Cheruku SR, Boman K, Bansal V, Kumar VK, Walkey AJ, Domecq JP, Kashyap R, Aston CE; Society of Critical Care Medicine Discovery Viral Infection and Respiratory Illness Universal Study (VIRUS): COVID-19 Registry Investigator Group. **Association of Renin Angiotensin Aldosterone System Inhibitors and Outcomes of Hospitalized Patients With COVID-19**. Crit Care Med. 2022 Oct 1;50(10):e744-e758. doi: 10.1097/CCM.0000000000005627. Epub 2022 Jul 27. PMID: 35894609; PMCID: PMC9469914.

Bogojevic M, Bansal V, Pattan V, Singh R, Tekin A, Sharma M, La Nou AT, LeMahieu AM, Hanson AC, Schulte PJ, Deo N, Qamar S, Zec S, Valencia Morales DJ, **Perkins N**, Kaufman M, Denson JL, Melamed R, Banner-Goodspeed VM, Christie AB, Tarabichi Y, Heavner S, Kumar VK, Walkey AJ, Gajic O, Bhagra S, Kashyap R, Lal A, Domecq JP; Society of Critical Care Medicine (SCCM) Discovery Viral Infection and Respiratory Illness Universal Study (VIRUS): COVID-19 Registry Investigator Group. **Association of hypothyroidism with outcomes in hospitalized adults with COVID-19: Results from the International SCCM Discovery Viral Infection and Respiratory Illness Universal Study (VIRUS): COVID-19 Registry**. Clin Endocrinol (Oxf). 2022 Feb 18;10.1111/cen.14699. doi: 10.1111/cen.14699. Epub ahead of print. PMID: 35180316; PMCID: PMC9111656.

## SELECT RECENT PRESENTATIONS

Perkins NE. **Optimized Provider Schedules: The Foundation of Patient Care Workflows.** Roundtable discussion presented at the American Association for Physician Leadership Fall Institute. Scottsdale, AZ; 2023 Oct 27

Perkins NE. **Internal Medicine Grand Rounds: Clinical Informatics Update – What We Need to Know.** Lecture presented at Prisma Health-Greenville Memorial Hospital; Greenville, SC; 2023 Mar 21.

Perkins NE. **The World of Epic Data. Understanding how Epic’s EHR Captures, Stores, & Utilizes Data.** Lecture series presented at Prisma Health; Greenville, SC; 2023 Jan 2023, 28 Feb 2023, 19 Apr 2023

Perkins NE. **Clinical Informatics, An Introduction.** Lecture presented at Lincoln Memorial University-DeBusk College of Osteopathic Medicine; Knoxville, TN; 2022 Oct 21, 2023 Oct 26.

Perkins NE. **Documentation in the EHR.** Lecture presented at Lincoln Memorial University-DeBusk College of Osteopathic Medicine; Knoxville, TN; 2021 Apr 14, 2022 Apr 12.

Perkins NE. **Assessing Social Needs in the EMR.** Lecture presented at Lincoln Memorial University-DeBusk College of Osteopathic Medicine; Knoxville, TN; 2021 Apr 14, 2022 Apr 12.