

Panel: Ideas to Impact, 11am-11:45 am (Room 214)

Eva Dye, DNP, NNP-BC (mentored by Aileen Wright, MD, MS): NICU IV Fluid Calculations

Elena Evans, BS (mentored by Allison McCoy, PhD): Increase Celiac Disease Testing in High-Risk Individuals

Alvin Jeffery, PhD, RN, CCRN, FNP-BC & Brian Douthit, PhD, RN, NI-BC (mentored by Allison McCoy, PhD): SACRED: Spiritual Analytics and Clinical Reporting from EHR Data

Jason Samuels, MD (mentored by Tom Reese, PhD): Use of EHR to Enhance Weight Loss Trajectory Monitoring

Aviva Mattingly, MD, MS (mentored by Jon Wanderer, MD): Perioperative Head and Neck Free Flap Education and Discharge Safety

Lightning Talks, 12-1pm (Room 214)

1. Casie Smith, MHA, RRT-NPS - Risk Scoring Tool for Prevention of NICU Unplanned Extubations
2. Barron Patterson, MD - Watch Our Wizardry: The Magic Well Child Check SmartSet
3. Ivo Su, BS - Beyond Clinical Questions: Using an AI Chatbot to Identify and Address Institutional Workflow Needs
4. Michael Dunn, MD - High Adoption Rates and Satisfaction with eConsent via Patient Portal for Endoscopy
5. Peter Samuel, DO - Interruptive Alerts and Metabolic Screening for Behavioral Health Patients Taking Antipsychotics
6. Cathy Shyr, PhD - liteOdyssey: An AI Agent for Supporting Rare Disease Diagnostic Reasoning
7. Mert Sekmen, BS; Nikita Amanna, MS; Jasleen Gandhi, MS - A Framework for Real-time Clinical Decision Support Using Ambient Listening

Poster Presentations, 1-2:30 pm (North Lobby)

1. Mollie Hobensack, PhD, RN, NI-BC - Leveraging Large Language Models to Analyze Nursing Free-Text Comments to Understand What Matters Most to Older Adults
2. Bryan Steitz, PhD - Development and Internal Validation of a Large Language Model Pipeline for Multi-Label Classification of Patient Portal Messages
3. James Jordano, MD - Large Language Models as a Scalable Alternative to Chart Review for Antibiotic Stewardship Audit of Emergency Department Upper Respiratory Infections
4. Hyunjoon Lee, MS - Primary Care Provider Responses to Suicide Risk Screening: Real-World Evidence from Clinical Notes
5. Sonanya Woldegebriel - Utilizing LLMs to Identify Inconsistencies in Clinical Notes
6. Janelle Faiman, BA - Chatbot Evaluation Tools: What Features are Helpful to Annotators?
7. Julia Sheffield, PhD - Characterizing Artificial Intelligence Psychosis in a Large Medical Setting
8. Siru Liu, PhD - Encounter Characteristics Associated with Ambient Artificial Intelligence Scribe Use in Primary Care
9. Sarah Stern, MD, MS-ACI - Clinical Impacts of Automating Routine Care Processes
10. Stephanie Patterson, MD, MS - Instant Order for Discharge Food Support for Inpatients with Food Insecurity

Poster Presentations (cont), 1-2:30pm (North Lobby)

11. Frederic Vallejo, MD, MSCI - Coags and the Neurosurgery Consultation
12. Udaya Sri Satya Sai Vaddi, MS - Automated Retinopathy of Prematurity (ROP) Discharge Follow-Up Alert to Improve Continuity of Care for High-Risk Neonates
13. Ellen Stallings, MD - Clinical Decision Support to Enhance Risk-Based Prevention of Postoperative Nausea and Vomiting
14. Cosby Stone, Jr., MD, MPH - Closing the Quality Gaps in Antibiotic Allergy Labeled Patients
15. Caleb Ashbrook, MD - Feasibility of Implementation, Diagnostic Accuracy, and End-user Impact of an Electronic Health Record (EHR)-based Ureteral Stent Tracking Tool in a Pediatric Population
16. Gwendolyn Thompson, MS - ECMO Alert
17. MaryLou Smith, MSN, CNM, FACNM - OB Express Lanes
18. Alexander Bruno, MD - Fetal Connections: Vanderbilt's Application in the Foundation System Improves Congenital Heart Disease Clinical Practices
19. Adam Kotter, PhD - Targeted Mitigation of Performance Disparities in a Sepsis Prediction Model
20. Joseph Dye - Evaluating the Accuracy of Clinician-Estimated Dates of Discharge in the NICU
21. Zachary Melvin, MS - Future Labor Productivity: A Predictive Decision Support Tool for Proactive Workforce Planning
22. Pradeep Mummidi, MMHC, MS - Quality Analytics AI Assistant: An Intelligent Decision Support Tool for Statistical Process Control
23. Jonathan Tucci, MD, PhD - Using Artificial Intelligence and refineR on Big Data to Unmask Chloride-driven Anion Gap Differences Across the Vanderbilt Laboratory Enterprise
24. Lyndsay Nelson, PhD & Kelsey LeBeau, PhD - Balancing Efficiency and Equity: Differences in Reach and Identified Social Needs Across Electronic and in-clinic Health-related Social Needs Screening
25. Hannah Slater, MS - Needs Assessment for Asynchronous Suicide Risk Assessment and Intervention
26. Alice Moore - Evaluating the Impact of Centralized Prescription Renewal on Efficiency and Experience in Ambulatory Care
27. Kira Sowell, BSN, MSN & Brian Douthit, PhD, RN, NI-BC - AI-Enabled Patient Education: A Roadmap to Better Outpatient Infusion Center Outcomes
28. Megan Salwey, PhD - Improving Personalized Breast Cancer Care Through a COMputerized Patient Adaptable Shared Decision-making System (COMPASS)
29. Michael Cauley, PhD, DMin - Humanizing the Electronic Health Record: Early EHR Integration of a Validated Photo-Narrative Intervention at Monroe Carell Jr. Children's Hospital at Vanderbilt
30. Austin Griffin, MD - SCRIBE: A Procedural Informatics Pilot in the TEE Lab
31. Brandi Cherry, CPA; Robert McCartney, MS; Jacky King, MBA - Get to Know the VUMC Enterprise Data Platform

Poster Presentations (cont), 1-2:30pm (North Lobby)

32. Janos Mathe, PhD - From Tables to Truth: Domain-Driven Knowledge Graphs for Clinical Informatics
33. Jacqueline Shaig, PhD - From HEYEX to OMOP: Lessons Learned Connecting a Retinal OCT Repository to the EHR at an Academic Medical Center
34. Grace Van Winkle, MPH - Research Considerations for Informatics
35. Tony Dreher, MPA - Development and Implementation of a Transplant Research Informatics Infrastructure within the Vanderbilt Center for Transplant Science (VCTS)
36. Ashley Spann, MD, MS-ACI - Development and Deployment of an EHR-Integrated Randomized Trial for Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD)
37. Donald Sengstack, MS - Overcoming Data Challenges for Improved Ophthalmology Research
38. Kelly Fussman, MS, CCC-SLP - Streamlining Vestibular Audiology Documentation in Epic
39. Laura Zahn, MS - A Qualitative Evaluation of VUMC's Physician Builder Program: Perspectives from Clinical and Health IT Leaders
40. Brandon Buxton, MS - Communication Tool Pilot for High Acuity Multi-Disciplinary Inpatient Team Consultation
41. Stephen Gradwohl, MD, MS-ACI - Preliminary Evaluation of an EHR-Embedded Workflow to Increase Encounter-Anchored Feedback in the Emergency Department

