

2024 AMIA Annual Symposium Presenter Schedule

(Speaker, VCLIC Member)

Saturday, November 9th

1:00 PM – 4:30 PM PT, Workshop, Imperial A

W16: Integrating Implementation Science and Systems Thinking to Advance HIT Implementation and Ongoing Use – Craig Kuziemy, PhD, Mustafa Ozkaynak, PhD, Kim Unertl, PhD, Saira Haque,

1:00 – 4:30 PM PT, Workshop, Franciscan B

W22: Let's Get Specific! Granular Objectives and Outcomes for Information Visualization – Adriana Arcia, PhD, RN, FAAN, Natalie Benda, PhD, **Jessica Ancker, MPH, PhD, FACMI**

Sunday, November 10th

8:30 AM – 12:00 PM PT, Workshop, Golden Gate 1-2

W24: Social and Organizational Approaches to Optimize AI Design, Implementation, and Ongoing Use - Laurie Novak, PhD, Craig Kuziemy, PhD, Elise Lambert, PhD, Saira Haque, Carolyn Petersen, MS, MBI, FAMIA, Joanna Abraham, PhD, Bonnie Kaplan, PhD

3:30 PM – 5:00 PM, Panel, Continental Ballroom 5

S01: Building the Model is the Easy Part: Implementing Predictive Models in Clinical Care - Allison McCoy, PhD, ACHIP, FACMI, FAMIA, Vincent Liu, MD, MSc, Tina Hernandez-Boussard, David Bates, MD

Monday, November 11th

9:00 AM – 9:30 AM, Informatics Debate, Imperial A

AI in EHRs will Reduce Documentation Burden Only with Appropriate Training - Judy Murphy, DN, RN, Rebecca Mishuris, MD, MS, MPH, **S. Trent Rosenbloom, MD, MPH, FACMI, FAMIA,** Sarah Corley, MD

9:30 AM – 9:45 AM PT, Podium Abstract, Franciscan B

S22: Fairness of AI Collaboration and Suppression in Emergency Triage - Katherine (Katie) Brown, PhD, Michael Cauley, PhD, Benjamin Collins, MD, Nicholas Jackson, PhD Student Biomedical Informatics, Bradley Malin, PhD, **Jessica Ancker, MPH, PhD, FACMI**

10:45 AM- 11:00 AM PT, Podium Abstract, Franciscan A

S30: Leveraging Large Language Models for Generating Responses to Patient Messages – A Subjective Analysis - [Siru Liu, PhD](#), Allison McCoy, PhD, ACHIP, FACMI, FAMIA, Aileen Wright, MD, Babatunde Carew, MD, Julian Genkins, MD, Sean Huang, MD, Josh Peterson, MD, MPH, Bryan Steitz, PhD, Adam Wright, PhD

10:45 AM – 11: 00 AM, Paper, Franciscan B

S31: Behavior Shift in Patient Portal Usage During and After Policy Changes Around Test Result Delivery and Notification - [Uday Suresh, MS](#), Bryan Steitz, PhD, S. Trent Rosenbloom, MD, MPH, FACMI, FAMIA, Kevin Griffith, Jessica Ancker, MPH, PhD, FACMI

1:45 PM – 2:00 PM, Paper, Golden Gate 1-2

S43: Large-scale Text Mining of Suicide Attempt improves Identification of Distinct Suicidal Events in Electronic Health Records - [Hyunjoon Lee, MS](#), Cosmin Bejan, PhD - Vanderbilt University Medical Center; [Colin Walsh, MD, MA](#)

3:30 PM – 3:45 PM, Podium Abstract, Franciscan C

S49: A Modern, Innovative Curriculum for Teaching Clinical Informatics - [Allison McCoy, PhD, ACHIP, FACMI, FAMIA](#), Elise Russo, MPH, PMP, Adam Wright, PhD

3:45 PM – 4:00 pm, Podium Abstract, Franciscan C

S49: Teaching Data Science through an Interactive, Hands-On Workshop with Clinically Relevant Case Studies - [Alvin Jeffery, PhD, RN](#), Patricia Sengstack, DNP, NI-BC, FAAN, FACMI

4:45 PM – 5:00 PM PT, Paper, Golden Gate 1-2

S54: Examining Oral Anti-Cancer Medication Continuation Using Questionnaires, Prescription Refills, and Structured Electronic Health Records - [Congning Ni, Ph.D. student](#), Qingyuan Song, Master of Engineering, Jeremy Warner, MD, MS, Qingxia Chen, PhD, Lijun Song, Ph.D., [S. Trent Rosenbloom, MD, MPH](#), Bradley Malin, PhD, Zhijun Yin, Ph.D.

Poster Session 1: 5:00 PM – 6:30 PM, Grand Ballroom

P14: Assessing the need for a clinical decision support tool to improve random urine drug screening for patients on chronic opioid therapy

[Hyunjoon Lee, MS](#), Julie Kim, PharmD, Taylor W. Butler, PharmD, Lei Wang, MPhil, [Allison McCoy, PhD, ACHIP, FACMI, FAMIA](#), Heather Jackson, PhD, Tyler W. Barrett, MD, Daniel B. Larach, MD, Hayley H. Rector, PharmD, [Scott Nelson, PharmD, MS, FAMIA, ACHIP](#)

P16: “Get out of my way ICU screen!” Needs Assessment for Adapting an Established Pneumonia CDSS for an Interoperable Platform

Matthew Christensen, MD, Russ Beebe, BA, Kathryn Kuttler, PhD, Jason Carr, MD, Carrie Reale, MSN, RN-BC, **Michael Ward, MD, PhD, MBA, Shilo Anders, PhD**

P20: Mapping Stakeholders for Human Trafficking Technology-based Interventions

Michelle Gomez, Kim Unertl, PhD

P37: “You Can’t Answer Inbox Messaging When You’ve Got a Scalpel in Your Hand”: Health IT-related Barriers to Clinical Workflow in Breast Cancer

Megan Salwei, PhD, Janelle Faiman, BA, Ingrid Meszoely, MD, Ben Park, MD, PhD, **Matthew Weinger, MD, MS**

P40: Using Large Language Models to Improve Patient-Provider Communications

Siru Liu, PhD, Aileen Wright, MD, Allison McCoy, PhD, ACHIP, FACMI, FAMIA, Sean Huang, MD, Julian Genkins, Josh Peterson, MD, MPH, Yaa Kumah-Crystal, William Martinez, MD, MS, Babatunde Carew, MD, Dara Mize, MD, MS, Bryan Steitz, PhD, Adam Wright, PhD

P43: Leveraging EHR Data to Improve Care Timeliness for Patients with Cardiovascular Implantable Electronic Devices

Donald Sengstack, MS, Aarti Dalal, DO, **Allison McCoy, PhD, ACHIP, FACMI, FAMIA**

P45: Development of a Prototype for Patient Artificial Intelligence Guided E-Messages (PAIGE)

Siru Liu, PhD, Allison McCoy, PhD, ACHIP, FACMI, FAMIA, Laura Zahn, MS, Elise Russo, MPH, PMP, Courtney Zott, MPH, Nicole Gauthreaux, MPH, James Swinger, MBE, Edwin Lomotan, MD, Dean Sittig, PhD, Prashila Dullabh, MD, **Adam Wright, PhD**

P49: Novel Machine Learning on Asynchronous Clinical Pages to Predict Clinical Deterioration

Isabel Arvelo, BA, Bryan Steitz, PhD, Adam Wright, PhD, Kipp Shipley, DNP

P52: Quantifying Immediately Released Test Results that Contribute to the Highest Volume of Patient Messages

Robert Becker, MS, Bryan Steitz, PhD, Trent Rosenbloom, MD, MPH, FACMI, FAMIA

P64: A Framework for genAI-Clinician Collaboration in EHR Systems

Michael Cauley, PhD

P73: Developing a Maturity Model for AI Readiness in Healthcare Organizations

Yufei Long, MPH, Laurie Novak, PhD, Matthew Elmore, ThD, Nicoleta Economou-Zavlanos, PhD, Peter Embi, MD, Boyd Knosp, MS, FAMIA, **Megan Salwei, PhD**, Joyce Harris, MA

P114: Machine Learning Methods for Estimating Gestational Age at Birth from Electronic Health Records

Cosmin Bejan, PhD, Amelie Pham, MD, Leena Choi, PhD, Sarah Osmundson, MD, **Trent Rosenbloom, MD, MPH, FACMI, FAMIA**, Elizabeth Philips, MD

Tuesday, November 12th

8:30 AM – 10:00 AM PT, AI Showcase/Podium Abstract, Continental Ballroom 1-2

S61: Randomized Controlled Comparative Effectiveness Trial of Risk Model-Guided Clinical Decision Support for Suicide Screening – [Colin Walsh, MD, MA](#)

8:30 AM – 8:45 AM PT, Podium Abstract, Golden Gate 1-2

S64: Care Development Diagrams to Investigate Potential Interventions to Reach Trafficked Individuals in Emergency Departments – [Michelle Gomez](#), [Kim Unertl, PhD](#)

9:45 AM – 10:00 AM PT, Paper, Franciscan A

S65: Identifying Stakeholder Requirements for the Development of an Electronic Care Transitions Tool to Improve Health Outcomes for Patients with Multiple Chronic Conditions - [Patricia C Dykes, PhD, MA, RN](#), Christian Tejada, B.S., [Allison McCoy, PhD, ACHIP, FACMI, FAMIA](#), Lipika Samal, MD, Pamela Garabedian, MS, Joanne RomanJones, JD, PhD, RN, Hongyi Wu, Bachelor of Science

10:30 AM – 12:00 PM, Panel, Continental Ballroom 4

S68: Leveraging Large Language Models and Other Artificial Intelligence Methods to Advance Patient-Centered Clinical Decision Support - Prashila Dullabh, MD, Aziz Boxwala, MD, PhD, [Jessica Ancker, MPH, PhD, FACMI](#), Kensaku Kawamoto, MD, PhD, MHS, Angela Dobes, MPH

11:45 AM – 12:00 PM, Podium Abstract, Franciscan D

S76: Developing and Implementing Prediction for Neonatal Opioid Withdrawal Syndrome – [Thomas Reese, PharmD, PhD](#)

1:45 PM – 3:15 PM, Panel, Continental Ballroom 4

S79: Catastrophic Disaster Stories Part Deux: The Predictive Analytics Failures We should Have Predicted - [Allison McCoy, PhD, ACHIP, FACMI, FAMIA](#), Mark Mai, MD, MHS, Matthew Molloy, MD, MPH, Juan Chaparro, MD, MS

1:45 PM – 2:00 PM, Podium Abstract, Continental Ballroom 8-9

S84: SMART on FHIR: How Standardized is Electronic Medical Record Access for Third Party Applications? - [Lori Orlando, MD, MHS, MMCI](#), [Josh Peterson, MD, MPH](#), Harris Bland, MPH, MBA, **S. Trent Rosenbloom, MD, MPH, FACMI, FAMIA, Luke Rasmussen, MS, Robert Freimuth, PhD, Jeritt Thayer, Joseph Kannry, MD, Kathleen Mittendorf, PhD; Georgia Wiesner, MD MS**

4:45 PM – 5:00 PM PT, Oral Presentation, Imperial B

S98: “I worry we’ll blow right by it” Barriers to Uptake of the Stratify CDSS for ED Discharge in Acute Heart Failure - [Matthew Christensen, MD](#), [Shilo Anders, PhD](#), Carrie Reale, MSN, RN-BC, Tim Coffman, BS, Hala Alaw, BS, Janos Mathe, PhD, Dan Albert, [Allison McCoy, PhD, ACHIP, FACMI, FAMIA](#), Anna Sachs, MPH, Dandan Liu, PhD, [Sunil Kripalani, MD, MSc](#), [Laurie Novak, PhD](#)

Poster Session 2: 5:00 PM – 6:30 PM, Grand Ballroom

P10: “evisit, then what?” A Patient-level Analysis of Care Utilization and Messages

[Thomas Ueland, BS](#), Jacob Franklin, MD, [Allison McCoy, PhD, ACHIP, FACMI, FAMIA](#), [Sara Horst, MD, MPH](#)

P27: Assessing ChatGPT Responses to Alzheimer’s Disease Myths

[Sean Huang, MD](#), Qingyuan Song, Master of Engineering, Kimberly Beiting, MD, Maria Duggan, MD, Kristin Hines, MD, Harvey Murff, MD, Vania Leung, MD, James Powers, MD, T.S. Harvey, PhD, Bradley Malin, PhD, Zhijun Yin, PhD.

P35: Quantifying the Effect of Value Set Choice on Clinical Quality Measures and Clinical Decision Support Accuracy

[Adam Wright, PhD](#), [Donald Sengstack, MS](#), [Laura Zahn, MS](#), [Elise Russo, MPH, PMP](#), [Dean Sittig, PhD](#)

P38: Natural Language Processing Pitfalls in Patient Phenotype Extraction

[Sina Madani, MD, PhD](#), [Asli Ozdas Weitkamp, PhD](#), [Dario Guise, Dring](#)

P45: Delinking Cephalosporin Cross Sensitivity Alerts in Patients with PAL

[Megan Wang](#), [Allison McCoy, PhD, ACHIP, FACMI, FAMIA](#), [Adam Wright, PhD](#), [Cosby Stone, MD, MPH](#)

P46: The CONCERN Implementation Toolkit: Standardizing, Scaling, and Spreading an AI-based Clinical Decision Support System

[Jennifer Withall, PhD](#), Patricia Dykes, PhD, MA, RN, Sandy Cho, MPH, IN-BC, Catherine-Ivory, PhD, NI-BC, NEA-BC, FAAN, Po-Yin Yen, PhD, RN, FAMIA, Rachel Lee, PhD, RN, [Brian Douthit, PhD, RN, NI-BC](#), Temiloluwa Daramola, Graham Lowenthal, BA, David Albers, PhD, Syed Mohtashim Abbas Bokhari, Sarah Rossetti, RN, PhD

P71: ADE Identification in EHR Data: Weight Gain Among Pediatric Patients Diagnosed with ASD and Treated with Atypical Antipsychotic Medications

[Sharon Davis, PhD](#), [Joshua Smith, PhD](#)

P93: An Evaluation of Large Language Models for the Retrospective Identification of Surgical Site Infections

Parker Evans, MD, Cosmin Bejan, PhD

P117: Algorithmic Matching of Unique Device Information to Electronic Health Record Data

Julie Kim, PharmD, **Ashley Spann, MD, MSACI**, Michael McLemore, BSN, Tina French, RN, CPHQ, Mohammed Al-Garadi, PhD, Michael Matheny, MD, MS, MPH, FACMI, FAMIA

P120: Refresh, Refresh, Refresh: Measuring Repeated Access to the Patient Portal While Waiting for Sensitive Test Results

Bryan Steitz, PhD, Liz Salmi, Robert Turer, MD, MSE, Uday Suresh, MS, Scott McDonald, MD, Catherine Desroches, DrPH, **S. Trent Rosenbloom, MD, MPH, FACMI, FAMIA**

P122: Quantifying Patient Portal Use Among Patients and Care Partners Managing Alzheimer's Disease and Related Dementias

Bryan Steitz, PhD, Uday Suresh, MS, **S. Trent Rosenbloom, MD, MPH, FACMI, FAMIA**, **Jessica Ancker, MPH, PhD, FACMI**

P153: The Relationship between Air Pollution and Patient Portal Messaging in an Asthmatic Population

Marilyn Barron, S. Trent Rosenbloom, MD, MPH, FACMI, FAMIA, Laurie Novak, PhD, Vern Kerchberger, MD

P178: A Study of Challenges In Algorithmic Transportability Between VHA Sites

Kimberley Cox, MS, Carlos Grijalva, MD, MPH, Candace McNaughton, MD, Michael Matheny, MD, MS, MPH, FACMI, FAMIA, **Thomas Lasko, MD, PhD**, Amanda Mixon, MD

P187: Data-driven automated classification algorithms for acute health conditions: Applying PheNorm to Anaphylaxis

Joshua Smith, PhD, Daniel Park, BS, Jill Whitaker, MSN, Michael McLemore, BSN Robert Winter, BA, Arvind Ramparasan, MS, David Cronkite, MS, Saranrat Wittayanukorn, PhD, Danijela Stojanovic, PharmD, PhD, Yueqin, Zhao, PhD, Sarah Dutcher, PhD, Kevin Johnson, MD, MS, David Carrell, PhD, Brian Williamson, PhD

P188: Real-Time Automated Billing for Tobacco Treatment: A CDS Hook Approach for Simulating Clinician Facing Coding Prompts Within EHRs

Derek Baughman, MD, Layth Qassem, PharmD, Eric Morgan, MS, Lina Sulieman, PhD, Hilary Tindle, MD, MPH, Michael Matheny, MD, MS, MPH, FACMI, FAMIA, Daniel Fabbri, PhD, **Adam Wright, PhD**

P195: Paucity of AI implementation in Clinical Pediatrics: A Systematic Review

Swaminathan Kandaswamy, PhD, Lindsey Knake, MD, MS, Adam Dziorny, MD, PhD, Sean Hernandez, MD, **Allison McCoy, PhD, ACHIP, FACMI, FAMIA**, Philip Hagedorn, MD, MBI, Evan Orenstein, MD, Eric Kirkendall, MD, MBI, Matthew Malloy, MD - UC Department of Pediatrics; Naveen Muthu, MD, Avinash Murugan, Jonathan Beus, MD, MSCR, Mark Mai, MD, MHS, Brooke Luo, MD, Juan Chaparro, MD, MS

Wednesday, November 13th

8:30 AM – 8:45 AM, Paper, Franciscan B

Clinician Perspectives on a Predictive Model for Recommending Opioid Use Disorder Treatment - [Leigh Anne Tang](#), Michelle Gomez, Uday Suresh, MS, Kristopher Kast, MD, Robert Becker, MS, **Thomas Reese, PharmD, PhD, Colin Walsh, Jessica Ancker, MPH, PhD, FACMI**

9:45 AM – 11:15 AM, Panel, Imperial A

Skin Color and Tone as Biomedical and Social Determinants of Health Data - Art Papier, MD, Katherine Brown, PhD, Jenna Lester, MD, **Benjamin Collins, MD**