VANDERBILT CLINICAL INFORMATICS CENTER

VCLIC News and Happenings, Volume 37

Hi All—we hope everyone is having a fantastic summer so far. It's hard to believe it's already July! We took a brief pause last month to focus on the dissemination of our **Annual Report**, which we hope you have been able to review (it's linked below just in case), but we are back and ready to announce some upcoming exciting VCLIC news, starting with our **theme** for the 2023-2024 academic year.

We are briefly recapping our time at the **AMIA Clinical Informatics Conference**, and most excitingly announcing our second-annual **InformaticCon**, this year co-hosted with VUSN, to take place on September 27th, 2023, at the nursing school's beautifully renovated facility.

Our featured member this month is the incomparable **Joey LeGrand, PharmD, MS**, and we are continuing to move forward with our **Evaluation and Dissemination** program as well as keeping everyone posted on upcoming **conference submission deadlines**.

Finally, and per usual, we have several Center members who have **received awards**, been mentioned in the **news**, presented **lectures** and at conferences, **published papers**, have had **abstracts** accepted to conferences, and had **honors or fellowships** bestowed on them.

If you have any questions or would like to engage with our team, please email Elise (elise.russo@vumc.org).

Year 2023-2024 Theme Announcement

Each year, VCLIC picks a theme to focus our efforts. For academic year 2023-2024, we will focus on **Health System efficiency through clinical informatics.** We're defining efficiency broadly – although cost savings are a part of our emphasis, improving efficiency for patients navigating the care system or staff using our EHRs are also key targets. Stay tuned for more information on events and educational opportunities related to this important topic, and please reach out if you have any ideas on how VCLIC can make an impact related to this theme.

VCLIC Annual Report for 2022-2023 Released

As you may have noticed, last month we skipped our newsletter in favor of disseminating our Annual Report for 2022-2023. We are so proud of everything our staff and members accomplished in the last academic year. Please review the report here.

AMIA CIC Recap

Right before we took a mini break from the newsletter, many of our members attended and presented at the AMIA Clinical Informatics Conference, this year in Chicago, IL from May 22nd-25th. Congratulations especially to **Scott Nelson, PharmD, MSc**, Scientific Program Committee Co-chair for the conference—spectacular job, Scott! But congratulations are also in order for all our VCLIC Presenters (**Sean Huang, MD; Gretchen Jackson, MD, PhD; Kim Unertl, PhD; Elise Russo, MPH; Brian Douthit, PhD, RN; Bryan Steitz, PhD; Trent Rosenbloom, MD, MPH; Yaa Kumah-Crystal, MD, MPH, MS; Adam Wright, PhD; Allison McCoy, PhD; Julie Bauml, MD**),--thank you for representing VUMC so well!

Here are some VCLIC members and friends on our way back from dinner Tuesday night:

InformaticCon 2023!

Please join us for VCLIC's second annual InformaticCon, this year presented in partnership with VUSN. This special, three-hour event will include lunch, a sampling of short, dynamic talks, a panel, and a poster session to showcase clinical informatics work going on across VUMC! It will take place on Wednesday, September 27th, 2023, from 10:00 am to 1:00 pm at the Vanderbilt School of Nursing (more details regarding location to follow).

Tentative Schedule is:
10:00-11:00 am Poster Session
11:00-11:45 am Panel on how to get involved in Clinical Informatics at Vanderbilt
11:45 am-12:00 pm lunch
12:00-1:00 pm Lightning Talks

Please indicate your interest in attending via the form below-we will be serving lunch, so we'd like to get an accurate head count. We will reach out with a separate form in a few weeks (early August) where you will be able to submit your poster or presentation ideas, and additional details about timing and content will be shared then/as the event gets closer.

https://redcap.link/InformaticCon2023signup

Start thinking about a project you would like to present! All VUMC and VU faculty, staff, trainees, and students are welcome to participate and attend, and we hope to see you there on September 27th to kick off our academic year!

Featured Member: Joey LeGrand, PharmD, MS

Joseph LeGrand, PharmD, MS, is a pharmacist and Lead Application Analyst in the Acute Clinicals portfolio of HealthIT at Vanderbilt University Medical Center. He received his PharmD from Butler University and his MS in Health Informatics from the University of Illinois at Chicago. He is currently heavily involved in clinical decision support analysis, build, maintenance, and reporting within eStar. In addition to his informatics work within eStar, he is interested in programming, data science, machine learning, dev ops, open health standards, standard medication terminology, health information exchange, APIs, digital health, and web application development.

In his own words:

"The major HealthIT projects I'm currently working on are preparing for a virtual nursing pilot on 7MCE to hopefully help with nursing workload, configuring functionality within Epic to allow providers to manually 'hold' medications, and managing Epic Hyperdrive upgrade preparations for the Acute Clinicals portfolio – as well as a variety of other smaller projects.
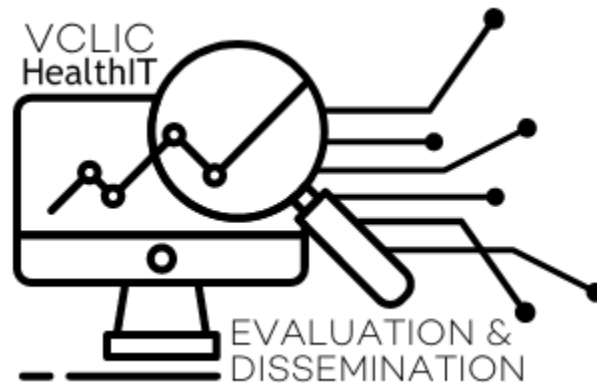
I've always been on the fringes of VCLIC due to my close work with our Clinical Decision Support (CDS) team and ongoing work to create and improve CDS tools within Epic. I have also collaborated on a VCLIC training video about Tableau data visualization basics, presented a poster about a novel way to generate synthetic patient medication data at the inaugural InformaticCon, and guest lectured a Vanderbilt MSACI class on the topic of building and evaluating CDS in Epic.

Right now, I'm interested in how we can more quickly and effectively leverage data coming out of our electronic health record (EHR) and other systems to reliably answer questions and make better decisions using modern data engineering best practices. One example of this is combining data from multiple systems to visually correlate changes in alert firing with changes to alert build and provider feedback submitted over time.

Outside of work, I founded and manage an organization called CodeRx which consists largely of pharmacists with skills or interests in programming and data. CodeRx has released several pieces of open-source software over the past few years including tools to generate synthetic patient medication data, parse free-text medication sigs into structured components, and extract-load-transform (ETL) open drug data into a data warehouse. I am always looking for people who would like to contribute to the community (you don't have to be a pharmacist!) and/or contribute to our open-source projects (all skill levels welcome!). More information about CodeRx can be found at https://coderx.io."

VCLIC + HealthIT Evaluation and Dissemination Program

We are still piloting the VCLIC + HealthIT Evaluation and Dissemination Program, run by **Allison McCoy, PhD**, VCLIC Senior Project Manager **Laura Zahn, MS** and VCLIC Director **Adam Wright, PhD**.

Evaluation and dissemination are key parts of the clinical informatics life cycle, and critical to understanding the usability and effectiveness of a tool, identifying potential areas for improvement, and sharing the work with others so the benefits can spread. The VCLIC + HealthIT Evaluation and Dissemination Program aims to provide support to researchers and developers across these project stages. This includes projects that are already built and in progress that we can pair with informatics or other VCLIC members to complete the evaluation, either by providing data or help with analyses. We can also help with abstract and manuscript writing to facilitate publication and sharing at conferences.

Do you have a new project idea or one already in progress you'd like assistance with? We want to help! Please use this interest survey to let us know!

Upcoming Conference Submission Deadlines

- American Nursing Informatics Association (ANIA)
  - Speaker/Podium Abstracts: July 30, 2023
- Society for Industrial and Applied Mathematics (SIAM) Annual Meeting
  - TBD: Details provided September 2023
- Association for Computing Machinery CHI
  - Poster/Abstract Submission Deadline: September 7, 2023
- Institute for Healthcare Improvement (IHI) Forum
  - Poster Deadline: November 1, 2023

Details on upcoming conferences and conference deadlines can be found on our Confluence page, here.

For those of you attending conferences in the next few weeks and presenting posters, we have a template on our Confluence page that we would encourage you to use.

Call for Abstracts/Posters for the 2023 Pursuit of Excellence Award!

For the first time ever, QSRP will be hosting a Vanderbilt Health award program to recognize quality and safety improvement excellence.

All abstract or poster submissions are due Monday, **July 31st, at 11:59pm CST**.

Abstract or Poster submissions are open to individuals in all care areas, teams and departments across the enterprise who have been involved in Quality & Safety projects or initiatives. A finalist will be selected from Vanderbilt University Hospital (VUH), Monroe Carell Jr. Children's Hospital, Vanderbilt Psychiatric Hospital (VPH), Ambulatory, Vanderbilt Wilson County Hospital (VWCH), Vanderbilt Bedford County Hospital (VBCH), Vanderbilt Tullahoma Harton Hospital (VTHH) and Vanderbilt Health Services (VHS) with an awards ceremony in October 2023. More details regarding the in-person portion of the event in October will be shared with the finalists.

Click here to start your abstract or poster submissions. For more information, please contact your local Quality & Patient Safety representative.

Presentations, Interviews, Honors, and Awards

Honors/Awards

- **Siru Liu, PhD** was featured in an article about "ChatGBT Tested for Clinical Decision Support" in the *VUMC Reporter*. **Allison McCoy, PhD, Adam Wright, PhD, Scott Nelson, PharmD, MS, Jonathan Wanderer, MD, MPhil** and team were co-authors.
- **Bryan Steitz, PhD** was accepted into the Vanderbilt Faculty Research Scholars Program. This is VUMC's internal career development program for junior faculty.
- **Alvin Jeffery, PhD, RN-BC** was accepted into Babson College's L-SPRINT Program (sponsored by the National Institute on Drug Abuse) which will be at the intersection of informatics, software development, genetics, and substance use disorder.
- **Edward Qian, MD, MS** won the Best Completed Work Award at the 2023 Vanderbilt Symposium on Implementation Research in the Learning Health System for his presentation on "Implementation of an Electronic Health Record (EHR) Embedded Clinical Trial: The ACORN Trial Comparing Cefepime versus Piperacillin-Tazobactam."
- **Allison Carroll, MD, MPH** won the "People's Choice Award" for her poster presentation titled "A Randomized Controlled Trial to Reduce Discharge Medication Errors in Hospitalized Children" at the Vanderbilt Symposium on Implementation Research in the Learning Healthcare System.
- **Laurie Novak, PhD**, **Gretchen Purcell Jackson, MD, PhD** and team's article "Competencies for the use of artificial intelligence-based tools by health care professionals" was selected as a "Must Read" by Johns Hopkins' Bayview Division of Internal Medicine. Congrats!
- **Laurie Novak, PhD** and **Patty Sengstack, DNP, RN-BC** were named members of an interdisciplinary advisory board for the Vanderbilt Future of Learning & Generative AI Initiative.
- **Trent Rosenbloom, MD, MPH** was featured in a *MedPage Today* article titled "Is Getting Test Results Online Right Away a Good Idea? Yes, Patients Say".

- **Yaa Kumah-Crystal, MD, MPH, MS** was recently featured in [AI Anthology](), [a project by Eric Horvitz at Microsoft](), about the encounter she had with ChatGPT helping to translate an ophthalmology note for her grandmother.
- **Yaa Kumah-Crystal, MD, MPH, MS** also gave pediatric grand rounds at Stanford: [How to Survive the AI Uprising]().
- **Kathy Moss, MSN, MBA, RN-BC, NEA-BC** achieved certification in Nursing Informatics from the American Nurses Credentialing Center (ANCC) on June 9, 2023.
- **Michael Ward, MD, PhD, MBA** was the guest editor of the [Special Issue on Veteran Emergency Care]() in *Academic Emergency Medicine,* featuring contributions from several VUMC researchers. This special issue is an outcome of the state-of-the-art (SOTA) conference on VA Emergency Medicine in 2022, which focused primarily on emergency care of older Veterans, Veterans with mental health needs in the emergency setting, and emergency care in non-VA community settings.
- **Eunice Huang, MD, MS** has been selected to participate in the highly competitive 2023-2024 [Hedwig van Ameringen Executive Leadership in Academic Medicine (ELAM) program](), on the Executive Leadership in Academic Health Care (ELH) track launched in 2022!
- **Allison McCoy, PhD** and the Vanderbilt Clinical Informatics Core was mentioned in [this article related to VPROMS.]()
- **Travis Osterman, PhD** was named a [Fellow of ASCO](). Congrats!
- **Siru Liu, PhD** won the [2023 Vanderbilt Postdoc of the Year Award](). It's given to one postdoc each year for "[excellence in research, scholarship or creative expression]()". Congrats!
- **Hannah Slater** recently [defended her MS](). Congrats!
- **Allison McCoy, PhD** joined Nordic Global's ["Designing for Health" podcast]() to discuss her role as Director of the VCLIC Core and her research on customized workflows for patients, value of real-world observations, and more.
- **Josh Peterson, PhD** had an article (published in *Annals of Internal Medicine*) featured in a *JAMA* Medical News Brief "[Screening for 3 Genetic Conditions Is Cost-effective in Younger People]()".
- **Sara Horst, MD** was featured in the most recent issue of the [Health and Wellness Connection Newsletter]().
- **Colin Walsh, MD, MA** was named to the [2023 Class of Fellows for the International Academy of Health Sciences Informatics (IAHSI)]()! He is one of 24 fellows elected this year. They will be honored at MedInfo 2023 on July 9, 2023.
- **Trent Rosenbloom, MD, MPH** was featured in the *VUMC Reporter* [VUMC patient portal welcomes millionth user.]()

Conferences and Other Presentations

- **Travis Osterman, PhD** presented "[Interoperability in Action: Progress in Implementing the mCODE Oncology Data Standard]()" at ASCO 2023 in Chicago. He also chaired a session titled "[Implementing Innovation: Informatics-Based Technologies to Improve Care Delivery and Clinical Research]()".
- **Megan Salwei, PhD** also presented her poster "[Lost in Translation? Information Exchange During Breast Cancer Care and Implications for Technology Design]()" at ASCO!
- **Trent Rosenbloom, MD, MPH** presented "[Policy in Practice: Supporting Ready Patient Access to Test Results]()" at the Office of the National Coordinator for Health IT Panel on June 5. [Watch here!]()

- **Allison McCoy, PhD** recently spoke with gifted elementary school students enrolled in this year's Data Discoverers course in Vanderbilt's Programs for Talented Youth about how she uses research and data in her personal life and career!
- **Kathy Moss, MSN, MBA, RN-BC, NEA-BC** presented both "Innovations to a Nursing Informatics Support Model" (podium presentation) and "Pediatric Complex Care Plan Adoption across the Continuum" (poster) at the 2023 American Nursing Informatics Association (ANIA) Annual Conference in Louisville, KY.
- **Parker Evans, MD** presented his work on education informatics tools at the annual NLM T15 Training Meeting at Stanford University.
- **Bryan Steitz, PhD** will be discussing the implications of patient access to test results at Epic's UGM 2023 conference in August.

Publications

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Reminder to Send Updates for Recognition

If you (or another VCLIC Member) publishes a paper; has an abstract accepted at a conference; are interviewed for or written up in a news article; receive any awards, accolades, or honors; or completed/are currently undertaking any projects you would like to highlight, please email me with or forward this information:

- Names of VCLIC members/VUMC staff who participated in or worked on the project, paper, or abstract (or who received the award/honor)
- The title of the Project, Paper, Abstract, Article, or Award
- The journal, conference, or news publication (this can be podcasts, radio, or more "traditional," news mediums)

Nothing is too big or too small to celebrate, and this information will be featured on the [News section of our website](#) as well. As time goes on, I am hoping to also improve our Twitter presence, so feel free to add, tag, or tweet us at [@VUMC_VCLIC](#) too!

Thank you, and see you soon!