



VCLIC News and Happenings, Volume 40

Welcome to VCLIC's October newsletter! We hope you have been enjoying the lovely fall weather outside and we are excited to share this month's updates.

Thank you to all who attended and presented at our second-annual **InformaticCon**, on September 27 in collaboration with the Vanderbilt University School of Nursing. We loved hearing about your amazing work and are looking forward to seeing you all at our third-annual InformatiCon next year!

In addition to InformatiCon, we hosted a workshop earlier this month with **Allison McCoy, PhD**, on **Intro to Epic Build Capabilities**, and have a few more related to our **VCLIPS** coming up soon, including the Audit Log and Signal Data Office Hours with **Bryan Steitz, PhD** and **Sean Huang, MD** on November 7th, 2023 from 1:00-2:30 pm. Please see below for more information and to sign up. Additionally, VCLIC and DBMI will co-host a Grand Rounds presentation with **Craig Joseph, MD** and **Jerome Pagani, PhD**, on "**Designing for Health**," November 1st, 2023 from 12:00-1:00 pm.

The Call for Abstracts has been issued for **AMIA's Clinical Informatics Conference** as well as for **Epic's Expert Group Meeting (XGM)**—please see later sections in this letter for more information on how to submit your work, and please contact the **VCLIC Evaluation and Dissemination Program** (also mentioned below) if you need any help putting something together for submission. If you are going to **AMIA's Annual Symposium**, please find a link to the poster template in the Conferences section of this newsletter. We will send out a schedule of VCLIC presentations to our members within the next few weeks.

For our feature this month, we would like to highlight **Julian Genkins, MD**, a clinical Informatician and internist at VUMC. We are thankful for Julian's wonderful contributions to VCLIC and are happy to spotlight him this month!

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).

Reflecting on InformaticCon 2023



We had such a blast this year at our second-annual InformaticCon! It was amazing to see such a variety of projects focused on clinical informatics and we hope you all had much as fun as we did!

The event celebrated and showcased a variety of clinical informatics-focused projects that people from across VUMC are or have worked on, and we believe the end result was a display of a truly diverse array of impactful work! During the first hour of the event, we held a poster session with 30 presenters, followed by a 45 minute panel session covering ways to get involved in clinical informatics at Vanderbilt, and a final hour with eight speakers that gave lightning-style (no longer than 7 minute) talks.

Please find an archive of all the talks and posters we are able to share from the event [here](#).

Fall 2023 VCLIPS



Last year the [Vanderbilt Clinical Informatics Center](#) (VCLIC) introduced [Vanderbilt Clinical Informatics Practical Shorts](#) (VCLIPS). These are bite-size instructional videos on practical clinical informatics topics

from expert VCLIC faculty (and staff). This year we are excited to release several more VCLIPS, covering new topics and featuring new VCLIC experts. We also plan to continue to offer synchronous workshops on the topics in highest demand.

At this time, we are releasing 4 more VCLIPS series, including:

- [Exempt IRB Research](#) (Elise Russo, MPH)
 - Learn about human research protections, exempt research, and how to submit an exempt protocol to the IRB using VUMC/VU's DiscoverE system
- [Address Geocoding](#) (Bryan Steitz, PhD)
 - Learn how to convert text-based addresses to geographic coordinates using the free geocoding tool POINT
- [Using Epic to Support Clinical Research](#) (Eddie Qian, MD)
 - Learn how to integrate your randomized trial into Epic, including automatic implementation of trial criteria and patient randomization
- [Signal Data](#) (Sean Huang, MD)
 - Learn about the wealth of efficiency data available for research within Epic's analytics tool called Signal

Coming soon:

- Agile Methods for Leading a Clinical or Research Informatics Team
- Implementing and Using PROMs Data
- Medication Data Tools
- Qualitative Methods
- SlicerDicer

Workshops and In-Person Opportunities (with snacks!):

- Audit Log and Signal Data Office Hours with Bryan Steitz, PhD and Sean Huang, MD
 - November 7th, 2023; 1:00-2:30 pm, 2525 West End (room 8110)
- Clinical Informatics Office Hours
 - December 5th, 2023; 1:00-2:30 pm

Last year's VCLIPS are still available, including: [Introduction to Epic and Build Capabilities](#), [Data Resources](#), [Human Centered Design Principles and Processes](#), and [Evaluation and Dissemination of HealthIT Interventions](#).

You can also access, contribute to, comment on or ask questions about all of the VCLIPS content (and more) on our [Confluence site](#).

We will send out more details and signup information for each in-person session over the course of the semester. We hope to see you at the in-person sessions and to engage with you more around this content. Please reach out to me or [Elise Russo](#) with any questions, suggestions or feedback. Please let us know if you have ideas for additional VCLIPS that we could produce – we're hoping to grow our library over time.

Other VCLIC Events

VANDERBILT UNIVERSITY | Department of
MEDICAL CENTER | Biomedical Informatics

VCLIC
VANDERBILT CLINICAL INFORMATICS CENTER

Grand Rounds

Designing for Health

November 1, 2023
12:00pm - 1:00pm CT
In person in Light Hall 202; also streamed via MS Teams

Additional Details: <https://www.vumc.org/vclic/events-announcements>

Speakers:
Craig Joseph, MD
Chief Medical Officer

Jerome Pagani, PhD
Head of Thought Leadership,
Nordic Consulting

Join VCLIC and DBMI for an exciting Grand Rounds presentation with **Craig Joseph, MD**, Chief Medical Officer, and **Jerome Pagani, PhD**, Head of Thought Leadership, both for Nordic, a consulting company with an EHR focus. The talk "Designing for Health" will take place on November 1st, 2023 from 12:00-1:00 pm, in Light Hall 202 and streamed via [MS Teams](#).

Lunch will be available first-come, first-served in Light Hall.

We hope to see you there!



LIVE
Office Hours with
Bryan Steitz, PhD
Sean Huang, MD

Ask Me Anything about Signal

Tuesday, November 7th, 1:00-2:30 pm

In person @ 2525 West End (Room 8110)

<https://www.vumc.org/vclic/events-announcements>

Please join us for the second Clinical Informatics Office Hours session, this time with a focus on **Signal Data and its uses as well as audit logs**. We will have Signal/audit log experts, **Bryan Steitz, PhD**, and **Sean Huang, MD**, on-hand to answer all your questions and explain a bit about what Signal and its uses are. This session will be in person in room 8110 at 2525 West End.

If you would like a briefing on Signal, please watch Sean's VCLIPs, here: <https://www.vumc.org/vcllic/signal-data>

Sign up and ask any pre-session questions here: <https://redcap.link/80s81scp>

Featured Member: Julian Genkins, MD



Julian Genkins, MD is an Assistant Professor of Medicine within the Division of General Internal Medicine and Population Health as well as an Assistant Professor Biomedical Informatics. He completed a degree in biology and computer science at Duke University, worked for a year as a software developer at Epic, graduated medical school at Vanderbilt University, and completed an Internal Medicine residency at UCSF. Because this just wasn't enough training, he finally put his computer science and medical brains together, recently finishing a clinical informatics fellowship at Stanford University. In CI fellowship, his capstone work focused on "In Basket Optimization" with a lens on improving care team experience.

In his role at VUMC, he spends 50% of the time as a PCP and the other 50% on informatics roles hoping to span the Department of Internal Medicine, Department of Biomedical Informatics, and the VUMC operational Health IT group. This includes being a member of the Clinical Informatics Core, as well as a VDAWG, and a member of the VUMC Physician Builder program.

Julian's informatics work focuses on leveraging software and AI/data science to augment the daily cognitive processes of clinicians as well as delivering informatics education, mentoring prospective informaticians, and developing curricula for clinical informatics to be integrated into medical education. He is passionate about usability, implementation science, and rigorous evaluation to make sure that the things that we implement are useful and used.

How have you become involved in VCLIC?

As mentioned earlier, I've officially joined VDAWGs, the Physician builder team, and the VCLIC (Clinical Informatics) Core. My first week with VUMC, I hosted a workshop based on the Intro to Epic for non-clinicians VCLIPs, and I hope to engage with more teaching in the future. Even before starting at VUMC, I collaborated with VCLIC authors Siru Liu, Allison McCoy, Aileen Wright, Sean Huang, Josh Peterson,

Bryan Steitz, and Adam Wright on a paper "[Leveraging Large Language Models for Generating Responses to Patient Messages](#)," currently under review.

What areas are you interested in?

Well, not to sound cliché, but right now top of mind for me is how we are going to incorporate generative AI into clinical practice. As with everything in medicine, it feels like the rest of the world is moving forward using an amazing new technology that we aren't even beginning to tap into. However, in this case, it feels transformative, as if it might actually be the biggest leap forward in physician well-being and care delivery/quality for decades. Decades. I'm really excited to think about how we implement generative AI models thoughtfully, intentionally, and study them to ensure that they are in fact improving the metrics we care about.

I'm also always thinking about the critical value of informatics being part of every medical trainee's training journey. This is about the core competencies of Informatics that, in my mind, equates to thinking about the EHR as being just as important as a stethoscope in terms of learning to use it (and the consequences if you don't... some might argue, myself included, that we should be augmenting stethoscopes with POCUS training).

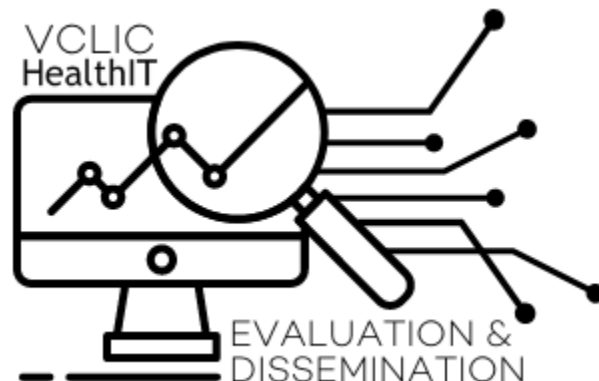
How would you like to collaborate with others?

I love creating, communicating, and translating between different groups. If you need somebody who speaks a lot of different "languages" - developer, data scientist, administrator, physician - loop me into your work. I'm eager to help accelerate your projects as a clinical informatician. Particularly if your project is about immediately influencing care, you've got an awesome tool and you just need to implement it effectively, I'd love to be involved.

Oh and if you're working on LLM/generative AI for informatics education, I'm ready to help!

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

- [International Conference on Learning Representations \(ICLR\)](#)
 - Workshop submission deadline: October 20, 2023
- [Society for General Internal Medicine \(SGIM\)](#)
 - Abstract Submissions: Open from October 24, 2023 - December 20, 2023
- [Pediatric Academic Societies \(PAS\) Meeting](#)
 - Abstract Submission open from August 31, 2023 - November 1, 2023
- [Institute for Healthcare Improvement \(IHI\) Forum](#)
 - Poster Deadline: November 1, 2023
- [Southern region SGIM](#)
 - Call for Submissions open: October 11, 2023 - November 7, 2023
- [Epic XGM](#)
 - Presentation Submission deadline: November 13, 2023
- [American Medical Informatics Association \(AMIA\) CIC](#)
 - Proposal Submission Deadline: November 30, 2023
- [American Nursing Informatics Association \(ANIA\)](#)
 - Poster Abstracts Submission deadline : December 15, 2023
- [Symposium on Artificial Intelligence for Learning Health Systems \(SAIL\)](#)
 - Abstract Submission open: November 2023 - January 2024

Details on upcoming conferences and conference deadlines can be found on our Confluence page, [here](#).

For those of you attending conferences and presenting posters, we have a template on our [Confluence page](#) that we would encourage you to use.

Presentations, Interviews, Honors, and Awards

Honors/Awards

- A huge congratulations to **Siru Liu, PhD** for being selected as one of [30 rising stars in the field of medical research by STAT Wunderkind](#), a health sciences newsletter published by the Boston Globe! Read more about Siru's feature [here](#).
- **Kevin Johnson, MD, MS** received the [NIH Director's Pioneer Award](#) for his project "[Helping Doctors Doctor: Using AI to Automate Documentation & De-Automate Health Care](#)"
- **Megan Salwei, PhD** discussed her K01 research project "[Technology to Support Personalized Care Decisions for Breast Cancer Treatment](#)" in *AHRQ*.
- Congratulations to **Jon Wanderer, MD** for being awarded another year of funding from DBMI's Catalyzing Informatics Innovation (CI2) program for his Gown Card App project.
- **Sunil Kripalani, MD, MSc** & Lindsay Nelson were awarded a R01-equivalent for "*Multi-level Initiative to Address Social Drivers of Health (SDoH) in Clinical Practice*" as a competitive revision for grant funding the Southeast Collaborative for Innovative and Equitable Solutions to Chronic Disease Disparities (PI, Wilkins). Congrats!
 - This project seeks to understand the optimal approaches for capturing social drivers of health (SDoH) in clinical care processes and evaluate a multi-level initiative that collects and addresses SDoH among patients with multiple medical conditions including type 2 diabetes plus hypertension and/or hyperlipidemia.
- **Julie Bauml, MD** received a certification for [Certified Revenue Cycle Representative](#) from the Healthcare Financial Management Association.
- Congrats to **Siru Liu, PhD** who was interviewed by the National Library of Medicine to discuss her K99/R00 project "Optimizing Clinical Decision Support Alerts Using Explainable Artificial Intelligence" on camera! **Adam Wright, PhD** and **Allison McCoy, PhD** and Peter Embi were happy to be interviewed as well!
- **Laurie Novak, PhD** and Peter Embi, MD, MS were awarded a grant from the Moore Foundation, working with collaborators from Duke AI Health, the University of Iowa, and the Coalition for Health AI network. The grant aims to support the creation and initial validation of standardized benchmarking tools to enable health systems to internally identify strengths and weaknesses for the development and deployment of AI technology. Congratulations!

Conferences and Other Presentations

- **Patty Sengstack, DNP, RN-BC, FAAN** and Kelly Aldrich recently presented the [MIND Lab](#) (Mindful Immersive Nursing Demonstration) at VUSN.
- **Laurie Novak, PhD, MHSA** was a speaker at VUMC's Brock Family Center for Applied Innovation hosted its first annual [Healthcare Artificial Intelligence Sessions](#) event (HAIS 23) in Langford Auditorium on September 20th
- **Yaa Kumah-Crystal, MD, MPH, MS** presented on ChatGPT & AI at the Department of Biostatistics [20th Anniversary Symposium](#).
- **Laurie Novak, PhD, MHSA** and **Martin Were, MD, MS** joined a Roundtable Discussion on the topic of [embedding ethics and equity into AI and machine learning infrastructure](#). The expert panel discussion was published in the peer-reviewed journal *Big Data*.
- **Laurie Novak, PhD, MHSA** presented at the Danish Centre for Health-Informatics (DaCHI) in Denmark speaking on a panel "AI in Healthcare: Development, Implementation and Application" on October 5. [Watch here!](#)

- **Salwei, M.E.**, Reale, C. (2023). The devil is in the details: Workflow analysis of breast cancer treatment decision making and implications for decision support design. Accepted for poster presentation at the *San Antonio Breast Cancer Symposium*. December 5-9, 2023. San Antonio, TX.

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!