

VCLIC News and Happenings, Volume 46

Welcome to VCLIC's April newsletter! We hope that you have been enjoying the beginnings of Spring in Nashville. Per usual, we have a flurry of end of academic year activity to share with y'all!

First, we are bringing back our VCLIPS-related workshops with one on **Patient-Reported Outcome Measures**, presented by **Justin Bachmann**, **MD** and **Allison McCoy**, **PhD**. This will be on April 25th from 2:00-3:30 pm at 2525 West End, and there is a sign-up form below.

Spring conference season is kicking off, and last week we had a few VCLIC members (**Neal Patel, MD, MPH; Dara Mize, MD; Adam Wright, PhD**) attend and present at the Becker's Hospital Review Meeting. Epic XGM is next! We can't wait to see and share the photos with you.

In a big win for our primary care physicians, a group of physician builders from VCLIC and DBMI (Aileen Wright, MD, MS; Julian Genkins, MD; Sean Huang, MD) built some new functionality that allows VUMC physicians to close "care gaps" (i.e. overdue for LDL screening, or mammogram, etc.) in a single click. Read more below!

This month, we are featuring **Sean Huang, MD**, who is an Assistant Professor of Medicine in the Division of Geriatric Medicine with a secondary appointment in Biomedical Informatics at VUMC. We are so thankful for Sean's wonderful contributions to VCLIC and are excited to spotlight this month!

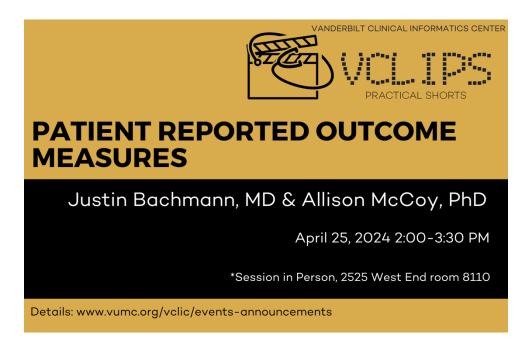
We also are advertising several other internal funding opportunities and conferences! Please take advantage of these opportunities!

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).

VCLIC Events

Patient Reported Outcome Measures with Justin Bachmann, MD, and Allison McCoy, PhD (April 25th, 2024 from 2:00-3:30 pm)



Join Justin Bachmann, MD, cardiologist and Medical Director of the Vanderbilt Patient-Reported Outcomes Measurement System (VPROMs) team, and Allison McCoy, PhD, Associate Professor of Biomedical Informatics and Scientific Director of the Clinical Informatics Core, on Thursday, April 25th from 2:00-3:30 pm to discuss and learn about patient-reported outcome measures. This session will be in person at 2525 West End, in room 8110.

Please sign up using our form: https://redcap.link/98hlg3kb (if you have already signed up, you should have the calendar invite—no need to sign up again).

For the hands-on part of the workshop, you will need a laptop and access to Epic's production environment (with SlicerDicer), but if you don't have access to Epic we will pair you with someone who does.

If you would like an overview of the topic and the session, please view the <u>VCLIPS video</u> Dr. Bachmann and his team put together earlier this year.

VUMC Leaders and VCLIC Members at the Becker's Hospital Review

Meeting

Last week **Neal Patel, MD, MPH, Dara Mize, MD,** and **Adam Wright, PhD** attended the Becker's Hospital Review Annual Meeting in Chicago, IL. I have only heard from Adam, but he tells me he learned a lot! Drs. Patel and Mize also presented at the conference, seen below:





VCLIC Physician Builders Help Close Care Gaps

A group of physician builders from VCLIC and DBMI (Aileen Wright, MD, MS; Julian Genkins, MD; Sean Huang, MD) built some new functionality that allows VUMC physicians to close "care gaps" (i.e. overdue for LDL screening, or mammogram, etc.) in a single click. Previously, Epic would display the care gaps, but you had to address each of them manually – now, thanks to Aileen, Julian and Sean, you can handle some or all of them with a single click.

Here are some additional details for those who'd like to close care gaps efficiently from Storyboard:

On 4/10, you will be able to place orders and take action on Care Gaps (health maintenance topics) from the storyboard. There are two ways to do this:

Take action on individual Care Gaps one at a time: You can place orders for individual care gaps by clicking on the green check mark that appears when you hover over the Care Gap. You can also address the topic (e.g., postpone it) by clicking on the x.



Take action on multiple Care Gaps at the same time with a SmartSet: Click on the double green check mark to bring up a dynamic SmartSet with orders, diagnoses, and information specific to your patient's



Care Gaps. Overdue Care Gap Orders A ▼ COVID-19 Vaccine COVID-19 Vaccine ✓ SARS-COV-2 (COVID-19) Gray Cap/Label Monovalent Vaccine, Pfizer 12+y Order details ✓ Need for COVID-19 vaccine [Z23] ▼ Hepatitis C Screening ▼ Hepatitis C Screening ☐ Hepatitis C IgG w/Rfx PCR Lab Collect, Blood ☐ Encounter for hepatitis C screening test - LOW risk patient Encounter for hepatitis C virus screening - HIGH risk patient ▼ DTaP,Tdap,and Td Vaccines ▼ DTaP,Tdap,and Td Vaccines ✓ Tdap vaccine (Adacel/Boostrix) Order details ☐ Td (adult) preservative free vaccine (Tenivac) ☐ DTaP vaccine (Infanrix)

✓ Need for diphtheria-tetanus-pertussis (Tdap) vaccine [Z23]

See video on One Click Care Gap Closure and Tipsheet for more information. Send feedback or email julian.genkins@vumc.org

Center for Effective Health Communication Research Grant Program

The CEHC (Center for Effective Health Communication) currently has <u>applications open for their 2024</u> <u>grant program</u>. For any questions, please email Dr. Erin Bergner at <u>erin.m.bergner@vumc.org</u> or Dr. Kerri Cavanaugh at <u>kerri.cavanaugh@vumc.org</u>.

2024-2025 Health Communication Research Grant Program

Apply Now!

This grant supports the development, implementation, and evaluation of research projects or training activities that involve health communication, and aim to foster health communication research at VUMC that will ultimately benefit patient management and outcomes.

SUBMISSION DEADLINE: JUNE 3, 2024

All faculty, staff, and students at VUMC are eligible to apply

Program may support a budget up to \$10,000. Project must be completed by June 30, 2025.

Examples of topics:

- Pilot testing a health communication intervention on patient outcomes
- · Qualitative study on patient/family medical decision making
- Secondary data analysis of health literacy and numeracy on outcomes
- Evaluation of a health professional communication skills training program
- Survey of patients/families with limited English proficiency to determine unmet healthcare needs

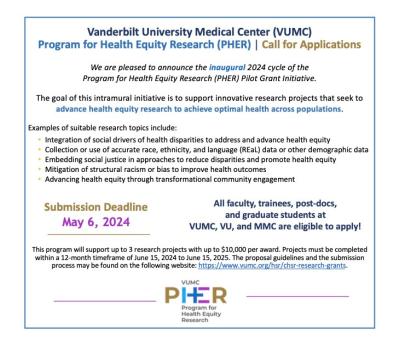
Proposal guidelines and submission information can be found here:

https://www.vumc.org/cehc/2024-cehc-health-communication-grant

Vanderbilt Center for Effective Health Communication

VUMC Program for Health Equity Research (PHER)

The **Program for Health Equity Research (PHER)** is pleased to announce the 2024 cycle of the **PHER Pilot Grant Program**. The deadline for submissions is May 6th – see here for more information!



2024 Learning Health Systems Symposium

The Center for Clinical Quality and Implementation Research is hosting a symposium on May 14 and is currently accepting poster submissions. See here for more information!



Featured Member: Sean Huang, MD



Sean Huang, MD is an Assistant Professor in Geriatric Medicine and Biomedical Informatics at Vanderbilt. He completed medical school at Indiana University and finished a Clinical Informatics fellowship at the University of Illinois. He is a physician builder and a member of VCLIC and VDAWGS. As of next month, he will have finished a Masters of Information and Data Science through University of California, Berkeley. He sees patients in the primary care clinic and on geriatrics consults. He is interested in using technology to help improve patient outcomes in our elderly population. Happy to collaborate on anything surrounding clinical informatics and aging care.

Current project topics include:

- Building geriatric dashboards
- Tracking metrics surrounding the 4M's (Mobility, Mentation, Medications, What Matters) on our Acute Care for Elderly unit
- Health maintenance care gaps in Epic
- Large language models and Alzheimer's care
- Synthetic syndromic surveillance system for opioid use using ambulance data

He is a big trivia fan and would also love to collaborate with anyone who is interested in playing pub trivia. His pet project revolves around answering health-related questions using Jeopardy clues.

Upcoming Conference Submission Deadlines

- o <u>Institute for Healthcare Improvement (IHI) Forum</u>
 - Session Abstract Deadline: April 30, 2024
 - Poster Deadline: November 1, 2024
- Conference on Neural Information Processing Systems (NeurIPS)
 - Abstract Submission deadline: May 15, 2024

- Full Paper submission deadline: May 22, 2024
- Association for Computing Machinery Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM-BCB)
 - Paper Submission Deadline: June 26, 2024
- o International Medical Informatics Association (IMIA) Medinfo
 - Submission Deadline: December 4, 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

- Travis Osterman, DO, MS joined the ASCO Podcast to discuss a machine learning model, recently featured in JCO Clinical Cancer Informatics, that uses electronic health record data to accurately predict the effectiveness and toxicity of treatment with immune checkpoint inhibitors.
- Congratulations to Sunil Kripalani, MD, MSc for being named to a three-year term on the <u>National Advisory Council</u> of the Agency for Healthcare Research and Quality (AHRQ)!
- **Brian Douthit, PhD, RN-BC** was featured in an article titled "<u>Clinical Alert Technology Meets the Digital Divide</u>" in *Discoveries in Medicine*.
- Hannah Slater was accepted into the <u>2024 Voice AI Summer School</u>, an Innovative and Collaborative Learning Experience at the Intersection of Healthcare & Voice Artificial Intelligence, at Washington University in St. Louis!
- Allison McCoy, PhD was featured in Discoveries in Medicine discussing the <u>Clickbusters</u> <u>program!</u>
- Brian Douthit, PhD, RN-BC was also featured in *Discoveries in Medicine* to discuss <u>his study</u> that
 urges care in use of information technology support for clinical decision-making due to patient
 access disparities.
- Alvin Jeffery, PhD published the third edition of his Orientation book, titled "<u>Staff Educator's</u> <u>Guide to Clinical Orientation.</u>"
- Trent Rosenbloom, MD, MPH testified at the National Academy of Science, Engineering, and Medicine about the use of clinical documentation and AI to support disability assessments.
- Josh Peterson, MD, MPH, as part of The Center for Precision Medicine (CPM), team attended the 2024 National Human Genome Research Institute Annual Meeting (NHGRI) last week in Seattle.
- Colin Walsh, MD, MA received the Kevin B. Johnson Award for outstanding contributions to research on Friday, April 12. Congrats!
- **Jessica Ancker**, **PhD**, **MPH** will be one of the keynote speakers at <u>IEEE ICHI 2024 conference</u> in Orlando June 3-5.

And Congratulations to Ashley Spann, MD, MS, on the birth of her daughter Riley last week!

Conferences and Other Presentations

• Yaa Kumah-Crystal, MD, MPH, MS presented the Thomas A. Hazinski Workshop, titled "From Chalk Talks to Chat Bots: Teaching Effectively, Ethically, and Critically for the Al Age," on April 5th.



- Laurie Novak, PhD, presented as part of "The Future of Nursing in a World with AI" conference on Friday, April 5th.
- **Brian Douthit, PhD, RN-BC** presented his poster "Development of an Adaptable Cost-Analysis Tool to Support the Implementation of the CONCERN Early Warning System" at the AMIA Informatics Summit (IS24) in Boston.
- **Jessica Ancker, MPH, PhD** presented at the <u>DBMI Grand Rounds on March 20</u> on "Evaluations of Telehealth in Primary Care during COVID."
- Allison McCoy, PhD presented to the VUMC Radiation Oncology residents about all the clinical informatics resources and opportunities available through VCLIC and other resources. DBMI postdoc Samuel Jean-Baptiste, MD is pictured, too!



• Yaa Kumah Crystal, MD, MPH, MS attended HIMSS 2024 in Orlando and presented on two panels: "Empowering Physicians with AI: Transforming Healthcare Delivery" and "GenAI's Got Talent—Can it Save Healthcare?"



- Wael Alrifai, MD, MS presented a spotlight webinar "How to Build a Radar Dashboard to Monitor an Inpatient Unit" for Epic on March 22nd!
- Cauley, M., Mitchell, C., Thoebes, G., Merriweather, C. *Health Care Management: Implementation Science*. Professional Development Workshop, 84th Academy of Management Conference, Chicago, IL.
- Gutber, J., Porter, T., **Cauley, M.**, Comfort, L., DePuccio, M., Mitchell, C., Ojo, R., Peck, J., Thoebes, G. *Health Care Management: Practice Incubator*. Professional Development Workshop, 84th Academy of Management Conference, Chicago, IL.

Publications

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Lee SS, Senft Everson N, Sanderson M, et al. <u>Feasibility of precision smoking treatment in a low-income community setting: results of a pilot randomized controlled trial in The Southern Community Cohort Study. *Addict Sci Clin Pract*. 2024;19(1):16. doi:10.1186/s13722-024-00441-1</u>

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Accepted/In Press

Jarvis, R.L., Word-Allen, A., & **Jeffery, A.D.** (2024). *Staff Educator's Guide to Clinical Orientation: Onboarding Solutions for* Nurses (3rd ed.). Indianapolis, IN: Sigma Theta Tau International.

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 <u>News</u> <u>section of our website</u> as well. As time goes on, I am hoping to also improve our Twitter/X presence, so feel free to add, tag, or tweet/post us at <u>@VUMC_VCLIC</u> too!

Thank you, and see you soon!