



## VCLIC News and Happenings, Volume 24

Hi all, and Happy Spring! To all the students: Best of luck finishing up your classes! Welcome to the April edition of VCLIC News.

This month, we are sharing a brief recap of our final seminars of the semester. We are also excited to feature **Sunil Kripalani, MD, MSc**, who works with us in various ways, but especially in his capacity as Director of the Center for Health Services Research and Center for Clinical Quality and Implementation Research. We also have a couple of announcements related to these programs!

There are two conferences with VCLIC representation coming up in May, so we have outlined the presentations that will be given by members at **Epic's XGM** conference as well as the **AMIA Clinical Informatics Conference**.

We also have several awards, honors, members in the news, conference abstract acceptances, and publications this month!

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

### VCLIC Seminars

Earlier this month marked the end of our seminar series for the year! We would like to thank everyone who attended the March 30<sup>th</sup> Seminar, given by **Charleson Bell, PhD**, and **Deanna Meador, MA**, of the Vanderbilt University [Wond'ry](#), which covered a lot of what The Wond'ry offers, with a special focus on the biomedical innovation continuum at VU and VUMC. The talk culminated in a tour of the Wond'ry facility on 4/18/22--thank you to all who came, and again to Dr. Bell for hosting!



On April 6<sup>th</sup>, 2022, we also hosted (via Zoom) **Valentin Tablan, PhD**, of ieso digital health, a UK and NHS-affiliated company that is using AI with cognitive behavioral therapy data. Dr. Tablan's talk was fascinating and informative, and we appreciate everyone for joining us in this (and all our seminars) this year!

## Member Spotlight: Sunil Kripalani, MD, MSc



**Sunil Kripalani, MD, MSc, SFHM, FACP**, is a Professor of Medicine at VUMC, and Director of the [Center for Health Services Research](#) and [Center for Clinical Quality and Implementation Research](#). His research interests include transitions of care, social determinants of health, health communication, and implementation science.

### **What I'm working on:**

The main projects I'm working on right now are:

1. Clinical decision support to improve emergency department disposition for patients with heart failure (STRATIFY)
2. Development of a health equity dashboard for hospitals and health systems
3. A quality improvement collaborative for COVID-19 prevention and control in middle Tennessee nursing homes

### **VCLIC involvement:**

I have always enjoyed working with colleagues in clinical informatics to improve EHR tools for documentation and decision support, especially for adult hospital care, which is my clinical area. Currently, we're working together on the STRATIFY study, will evaluate the effectiveness and implementation of a clinical decision support tool for emergency physicians to guide admission/discharge decisions for patients with heart failure.

### Collaboration opportunities:

Through the Center for Health Services Research, I'm especially interested in supporting health equity research, high-value care, and evaluation of health system interventions. Please feel free to contact me if you have an idea to discuss!

## Funding Opportunity

### Vanderbilt Center for Health Services Research - Research Grant Program Application

Apply by May 10, 2022 to receive funding for innovative research projects that seek to advance equity in health care delivery and health outcomes. Open to all faculty, trainees, and students at VUMC, VU, and MMC. For more details, visit: <https://www.vumc.org/hsr/chsr-research-grants>

**Call for Applications**

**Vanderbilt** Center for Health Services Research  
**RESEARCH GRANT PROGRAM**

this program will fund innovative research projects that seek to **advance equity in health care delivery and health outcomes**

**deadline May 10, 2022**

All faculty, trainees, and students at VUMC, VU, and MMC are eligible to apply.

Find out more at: [www.vumc.org/hsr/chsr-research-grants](https://www.vumc.org/hsr/chsr-research-grants)

## Vanderbilt Symposium

### Center for Clinical Quality and Implementation Research

This symposium agenda will feature pre-symposium workshops, a keynote speaker, research and operational panel presentations, and a poster session and reception. Registration will open soon in mid-April. Abstract and posters are due by April 25, 2022 at: [IRLHSpostersubmission2022](https://www.vumc.org/hsr/chsr-research-grants). For more details, visit: <https://www.vumc.org/implementation/symposium-2022> and contact [implementation@vumc.org](mailto:implementation@vumc.org) with any questions.

Vanderbilt Symposium on  
**Implementation Research** in  
the **Learning Health System**

SAVE THE DATE

**May 16**  
**2022**

in-person event  
schedule & agenda TBA

The symposium will showcase local projects in implementation research, improvement science, or embedded research in the learning health system.



2022  
**Keynote Speaker**

**Brian Mittman, PhD**

Senior Scientist, Kaiser Permanente  
Department of Research and Evaluation

Co-lead, UCLA Clinical and Translational  
Science Institute (CTSI) Implementation  
and Improvement Science Initiative

**Call for Poster  
Submissions**

Deadline **April 25**

**Cash prizes** for  
award winners!

*stay up-to-date at:* [vumc.org/implementation/symposium-2022](http://vumc.org/implementation/symposium-2022)

sponsored  
by

Vanderbilt Center for Clinical Quality and Implementation Research  
Vanderbilt CTSA/VICTR Learning Healthcare System

VANDERBILT  UNIVERSITY  
MEDICAL CENTER

[Upcoming VCLIC Conference Participation](#)

[Epic XGM 2022 \(April 25 – May 6, 2022\) Schedule](#)

**May 2**

10:30 AM - 11:10 AM CST

Barrett D, Winstead R, **Kumah-Crystal Y**. “One Button Labs: What You Want, When You Want It.”

3:30 PM – 4:10 PM CST

**Wright A, McCoy A, Stone C**. “Penicillin Allergy Risk Stratification and De-Labeling.”

**May 3**

10:30 AM – 11:10 AM CST

**Wright A, McCoy A.** "Enabling Research and Innovation with a Clinical Informatics Core."

12:30 PM – 1:10 PM CST

McCormick J, **Osterman T.** "Treatment Location Preference for Multi-Site Infusion Clinics."

**May 4**

10:30 AM – 11:10 AM CST

**Aher C,** Howell J, Schaefer L. "Retro-Authorization and the Post-Op Checklist: Quality, Safety, and Revenue."

12:30 PM – 1:10 PM

Matava C, **Wanderer J,** Mathur P. "Enabling Research and Quality Improvement with Epic: Stories from Across the Country."

**May 5**

10:30 AM – 11:10 AM CST

McKinnie J, **Wanderer J,** Tjahjono R. "Perioperative Mobile Push Notifications."

**AMIA CIC 2022 (May 24 – May 26, 2022) Schedule**

**May 25**

11:00 AM - 12:00 PM CDT

**LeGrand J,** Tokunaga K. "Medication Diversification Tool."

Lo B, Kennedy R, Hall S, Beale N, **Sengstack P,** Tiase V, Strudwick G. "S08: Panel - Enabling the value of Chief Nursing Informatics Officers in realizing the impact of Digital Health Leadership on Care Delivery: Best Practices and Opportunities for Healthcare Organizations."

3:30 PM - 4:30 PM CDT

Vawdrey D, Payne T, Kelly M, **Rosenbloom ST.** "S21: Panel - Staring Hospital Progress Notes with Patients and Caregivers: Too Early or Long Overdue?"

**May 26**

11:00 AM - 12:00 PM CDT

**McCoy AB.** "Enabling Clinical Research and Innovation through a Clinical Informatics Core."

**Russo E, McCoy AB, Wanderer JP, Wright A.** "Enabling Informatics Innovators to Access Data: The VDAWGS Program."

**Steitz B,** Langford K, Turer RW, Salmi L, MacDonald S, Lin CT, DesRoches CM, **Rosenbloom ST.** "Patient Attitudes About Immediate Access to Test Results."

## Upcoming Conference Submission Deadlines

- [American Academy of Pediatrics \(AAP\) National Conference & Exhibition:](#)
  - Abstracts: April 22, 2022
- [Anesthesiology Annual Meeting \(ASA\)](#)
  - Medically Challenging Cases/Quality Improvement Projects: May 23, 2022
- [Conference on Neural Information Processing Systems \(NeurIPS\)](#)
  - Abstracts: May 16, 2022, 1 pm PDT
  - Full paper and co-author registration: May 19, 2022, 1 pm PDT
  - Supplementary materials: May 26, 2022, 1 pm PDT

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

## Publications, Presentations, Interviews, and Awards

### Awards

**Eric R. Tkaczyk, MD, PhD** is one of 40 recipients of the 2022 [Young Physician-Scientist Awards](#) from the American Society for Clinical Investigation. This award recognizes excellent physician-scientists who are early in their first faculty appointment and have made notable achievements in their research.

**Lyndsay Nelson, PhD** received the Behavioral Informatics and Technology group's "Abstract Citation" Award at the [Society of Behavioral Medicine 2022 Annual Meeting](#). This award is given for the best/highest reviewed abstract from a non-student in this category.

### Honors

**Siru Liu, PhD** received an [International Fellowship](#) from the American Association of University Women (AAUW) to support her research on Alzheimer's disease. The program provides support for women pursuing full-time graduate or postdoctoral study in the United States to women who are not U.S. citizens or permanent residents, and who intend to return to their home country to pursue a professional career.

## Presentations

**Yaa Kumah-Crystal, MD, MPH** presented at the [Project Voice 2022 Conference](#) in Chattanooga on Wednesday, April 27, on a Panel for Voice AI in Healthcare. The Project Voice conference, an event for voice tech and conversational AI, is uniquely organized to juxtapose the major ecosystems (Amazon Alexa, Google Assistant, Samsung Bixby, and Microsoft Cortana), with The Voice World Fair running across the entire essential week.

## News Mentions

The section, "[Inconsistencies Often Lead to Ineffective Drug Alerts,](#)" of the March 22, 2022 issue of *AHRQ News Now* highlighted the paper, "[Improving the specificity of drug-drug interaction alerts: Can it be done?](#)", whose authors include **Thomas Reese, PharmD, PhD, Adam Wright, PhD** and **Siru Liu, PhD**.

In the VUMC Reporter article, "[VUMC Clickbusters program helps reduce EHR alerts,](#)" **Allison McCoy, PhD** is pictured and quoted, and **Adam Wright, PhD** is mentioned for their impact made with the BPA Clickbusters program.

**Eric Tkaczyk, MD, PhD** is pictured and quoted in the VUMC Reporter article, "[Study finds 10-second videos predict blood cancer relapse.](#)"

**Sara Host, MD, MPH** is featured in the VUMC Reporter article, "[Horst named medical director for telehealth at VUMC,](#)" for being named the new medical director for Telehealth Ambulatory Services for VUMC. Congratulations, Dr. Horst!

**Jeremy Warner, MD, MS** is mentioned as a co-author of a study featured in the VUMC Reporter article, "[Black patients with cancer face worse COVID outcomes: study.](#)"

**Eric Tkaczyk, MD, PhD** and **Lee Wheless, MD, PhD** are mentioned as authors of their study on using a trained machine learning algorithm to identify areas of skin affected by chronic graft-versus-host disease in the VUMC Reporter article, "[Computer eyeballs graft-vs-host disease.](#)"

## Accepted Conference Abstracts

**Salwei ME, Anders S, Novak L, Reale C, Slagle J, Harris J, Unertl K, Nath P, Mahadevan S, Agarwal R, Elliott N, Lee R, Weinger MB, France D.** Preventing clinical deterioration in cancer outpatients: Human centered design of a predictive model and response system [abstract]. In: The American Society of Clinical Oncology (ASCO) Annual Meeting; June 3-7, 2022; Chicago, IL.

## Publications

### April

Antoon JW, Feinstein JA, Grijalva CG, Zhu Y, Dickinson E, Stassun JC, Johnson JA, Sekmen M, Tanguturi YC, Gay JC, **Williams DJ.** (2022). [Identifying Acute Neuropsychiatric Events in Children and Adolescents.](#) *Hospital Pediatrics.*



Benziger CP, Stebbins A, Lisa W, Marquis-Gravel G, Ahmad FS, Farrehi PM, Girotra S, Gupta K, **Kripalani S**, Mehta H, Munoz D, Polonsky T, Sharlow A, Whittle J, Hernandez AF, Jones WS. (2022). [SEX DIFFERENCES IN EFFECTIVENESS AND SAFETY OF ASPIRIN IN SECONDARY PREVENTION OF CARDIOVASCULAR OUTCOMES IN PATIENTS: A SUBGROUP ANALYSIS FROM THE ADAPTABLE STUDY](#). *Journal of the American College of Cardiology*, 79:959-959.

Emani S, Rui A, Rocha HAL, Rizvi RF, Juaçaba SF, **Jackson GP**, Bates DW. (2022). [Physicians' Perceptions of and Satisfaction With Artificial Intelligence in Cancer Treatment: A Clinical Decision Support System Experience and Implications for Low-Middle-Income Countries](#). *JMIR Cancer*; 8(2):e31461.

McKillop MM, VanHouten C, Bales C, Felix W, Hekmat R, **Jackson GP**. (2022). [Assessing and addressing COVID-19 information needs via a weather application](#). *JAMIA Open*; 5(1).

Mehta H, Gupta K, Kim H, Wruck L, Ahmad FS, Benziger CP, Farrehi PM, Girotra S, **Kripalani S**, Munoz D, Polonsky T, Sharlow A, Whittle J, Hernandez AF, Jones WS. (2022). [EFFECTIVENESS AND SAFETY OF ASPIRIN IN SECONDARY PREVENTION OF CARDIOVASCULAR OUTCOMES IN PATIENTS WITH CHRONIC KIDNEY DISEASE: A SUBGROUP ANALYSIS OF ADAPTABLE](#). *Journal of the American College of Cardiology*; 79:960-960.

## March

Abel SA, English WJ, Duke MC, Williams DB, **Aher CV**, Broucek JR, Spann MD. (2022). [Benefits of Adjuvant Medical Weight Loss Intervention in Setting of Weight Regain and Inadequate Weight Loss After Weight Loss Surgery](#). *The American Surgeon*.

Falloon K, Cohen B, Ananthakrishnan AN, Barnes EL, Bhattacharya A, Colombel JF, Cross RK, Driscoll MS, Fernandez AP, Ha C, Herfarth H, **Horst S**, Hou J, Husni ME, Kroshinsky D, Kuhn KA, Lowder CY, Martin G, Parikh D, Sayed CJ, Schocket L, Siaton BC, Vedak P, Weisman MH, Rieder F. (2022). [A United States expert consensus to standardise definitions, follow-up, and treatment targets for extra-intestinal manifestations in inflammatory bowel disease](#). *Alimentary Pharmacology and Therapeutics*.

Fritz CQ, Hall M, Bettenhausen JL, Beck AF, Krager MK, Freundlich KL, Ibrahim D, Thomson JE, Gay JC, Carroll AR, Neeley M, Frost PA, Herndon AC, Kehring AL, **Williams DJ**. (2022). [Child Opportunity Index 2.0 and acute care utilization among children with medical complexity](#). *Journal of Hospital Medicine*.

Fu J, Reid SA, French B., Hennessy C, Hwang C, Gatson NT, Duma N, Mishra S, Nguyen R, Hawley JE, Singh SRK, Chism DD, Venepalli NK, **Warner JL**, Choueiri TK, Schmidt AL, Fecher LA, Girard JE, Bilan MA, Ravindranathan D, Goyal S, Wise-Draper TM, Park C, Painter CA, McGlown SM, de Lima Lopes G, Serrano OK, Shah DP, COVID-19, Consortium, C. (2022). [Racial Disparities in COVID-19 Outcomes Among Black and White Patients With Cancer](#). *JAMA Network Open*; 5(3):e224304.

Hodges B, Ivy Z, **Cronin RM**, Rodeghier M, DeBaun MR, Willen SM. (2022). [Annual decline in lung function in adults with sickle cell disease is similar to that observed in adults with cystic fibrosis](#). *Blood Advances*; 6(6): 1937-1940.

Knake LA, **Alrifai MW**, **McCoy AB**, Guthrie SO, **Wright A**, Lehmann CU, Hatch LD. (2022). [Factors associated with initial tidal volume selection during neonatal volume-targeted ventilation in two NICUs: a retrospective cohort study](#). *Journal of Perinatology*.

Lehmann CU, Brennan PF, Detmer DE, **Jackson GP**, Ohno-Machado L, Safran C, Williamson JJ, Shortliffe EH. (2022). [A tribute to Karen Greenwood and her contributions to the American Medical Informatics Association](#). *Journal of the American Medical Informatics Association*.

McNeil A, Parks K, Liu X, Saknite I, Chen F, Reasat T, Cronin A, **Wheless L**, Dawant BM, **Tkaczyk ER**. (2022). [Artificial intelligence recognition of cutaneous chronic graft-versus-host disease by a deep learning neural network](#). *British Journal of Haematology*.

**Nelson SD**, **McCoy AB**, Rector H, Teare AJ, Barrett TW, Sigworth EA, Chen Q, Edwards DA, Marcovitz DE, **Wright A**. (2022). [Assessment of a Naloxone Coprescribing Alert for Patients at Risk of Opioid Overdose: A Quality Improvement Project](#). *Anesthesia & Analgesia*.

Parast L, Burkhart Q, Bardach NS, Thombley R, Basco WT, Barabell G, **Williams DJ**, Mitchel E, Machado E, Raghavan P, Tolpadi A, Mangione-Smith R. (2022). [Development and Testing of an Emergency Department Quality Measure for Pediatric Suicidal Ideation and Self-Harm](#). *Academic Pediatric*; 22:S92-S99.

Rubinstein SM, Bhutani D, Lynch RC, Hsu C-Y, Shyr Y, Advani S, Mesa RA, Mishra S, Mundt DP, Shah DP, Sica RA, Stockerl-Goldstein KE, Stratton C, Weiss M, Beeghly-Fadiel A, Accordino M, Assouline SE, Awosika J, Bakouny Z, Bashir B, Berg S, Bilen MA, Castellano CA, Cogan JC, Kc , Friese CR, Gupta S, Hausrath D, Hwang C, Johnson NA, Joshi M, Kasi A, Klein EJ, Koshkin VS, Kuderer NM, Kwon DH, Labaki C, Latif T, Lau E, Li X, Lyman GH, McKay RR, Nagaraj G, Niza, A, Nonato TK, Olszewski AJ, Polimera HV, Portuguese AJ, Puc MM, Razavi P, Rosovski R, Schmidt A, Shah SA, Shastri A, Su C, Torka P, Wise-Draper TM, Zubiri L, **Warner JL**, Thompson MA. (2022). [Patients recently treated for B-lymphoid malignancies show increased risk of severe COVID-19: a CCC19 registry analysis](#). *Blood Cancer Discovery*.

Saknite I, Patrinely JR, Zhao Z, Chen H, Beeghly-Fadiel A, Kim TK, Jagasia M, Byrne M, **Tkaczyk ER**. (2022). [Association of Leukocyte Adhesion and Rolling in Skin With Patient Outcomes After Hematopoietic Cell Transplantation Using Noninvasive Reflectance Confocal Videomicroscopy](#). *JAMA Dermatology*.

Sekmen M, Johnson J, Zhu Y, Sartori LF, Grijalva CG, Stassun J, Arnold DH, Ampofo K, Robison J, Gesteland PH, Pavia AT, **Williams DJ**. (2022). [Association Between Procalcitonin and Antibiotics in Children With Community-Acquired Pneumonia](#). *Hospital Pediatrics*; 12:384-391.

Spieker AJ, Greevy RA, **Nelson LA**, **Mayberry LS**. (2022). [Bounding the local average treatment effect in an instrumental variable analysis of engagement with a mobile intervention](#). *The Annals of Applied Statistics*; 16(1): 60-79.

Thiess H, Del Fiol G, Malone DC, Cornia R, Sibilla M, Rhodes B, Boyce RD, Kawamoto K, **Reese T**. (2022). [Coordinated use of Health Level 7 standards to support clinical decision support: Case study with shared decision making and drug-drug interactions](#). *International Journal of Medical Informatics*; 162:104749.

Zarnegar-Lumley S, Stone CA, **Smith CM**, Hall LL, Luck KE, Koo G, Plager JH, Phillips EJ, Friedman DL. (2022). [Oncologist counseling practice and COVID-19 vaccination outcomes for patients with history of PEG-asparaginase hypersensitivity](#). *Pediatric Blood & Cancer*.

## Accepted or In Press

Hanna DN, Haddadin Z, Stafman L, Godfrey CM, **Huang EY**, Aiello B, Greeno AL, Unni P, Lovvorn HN. (2022). [Sledding while towed behind motorized vehicles associates with more severe and lethal injuries](#). *Journal of Pediatric Surgery*. In Press.

**Nelson LA**, Pennings JS, Sommer EC, Popescu F, Barkin SL. A 3-item measure of digital healthcare literacy: Development and validation. *JMIR Formative Research*. In press.

## 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 next month!**