

# Kailey Hughes Kramer

hugheskl4@upmc.edu

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## EDUCATION

UNIVERSITY OF PITTSBURGH, *Pittsburgh, PA*

Doctor of Philosophy

Epidemiology

Anticipated graduation December 2022

UNIVERSITY OF PITTSBURGH, *Pittsburgh, PA*

Master of Public Health

Epidemiology

December 2017

UNIVERSITY OF DELAWARE, *Newark, DE*

Bachelor of Arts

Biology

May 2014

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## EXPERIENCE

UPMC PRESBYTERIAN INFECTIOUS DISEASE/TRANSPLANT, *Pittsburgh, PA*

Research Manager

July 2021-Present

- Facilitated regulatory aspects of Emergency and Investigational New Drug (eIND) applications and phage therapies with the FDA, local IRB, Investigational Drug Service, and pharmaceutical companies
- Led the Infectious Disease Expanded Access (IDEA) Center to expedite eIND submissions and expanded availability of novel therapeutic options for multi-drug resistant infections
- Trained and managed undergraduate and graduate students for the Transplant Infectious Disease Research Associate Internship program
- Coordinated, managed, and facilitated multiple aspects of clinical trials
- Completed multiple analyses for large, multi-site, CDC-funded study
- Submitted annual reviews and modifications to central and local IRBs
- Served on UPMC System COVID-19 Pharmaceutical Committee

UPMC PRESBYTERIAN INFECTIOUS DISEASE/TRANSPLANT, *Pittsburgh, PA*

Project Specialist

July 2019-July 2021

- Facilitated the application process and administration of Emergency and Investigational New Drug (eIND) and phage therapies through the FDA
- Created Infectious Disease Expanded Access (IDEA) Center to expedite eIND submissions and expanded availability of novel therapeutic options for multi-drug resistant infections
- Enrolled and managed patients in various compassionate use programs and salvage therapies
- Expanded the Transplant Infectious Disease Research Associate Internship program to include year-round opportunities and increased student involvement
- Trained and managed undergraduate and graduate students for the Transplant Infectious Disease Research Associate Internship program
- Managed all regulatory documents for physicians, medical fellows, laboratory technicians, research coordinators, and students in the Department of Transplant Infectious Disease
- Coordinated, managed, and facilitated multiple aspects of clinical trials
- Completed multiple analyses for large, multi-site, CDC-funded study
- Submitted IRB annual reviews and modifications

UPMC PRESBYTERIAN INFECTIOUS DISEASE/TRANSPLANT, *Pittsburgh, PA*

Research Coordinator

July 2017-July 2019

- Assured strict adherence to federal, state, and local research regulatory standards
- Coordinated, managed, and facilitated multiple aspects of clinical trials
- Managed subject enrollment, data collection, and follow-up
- Facilitated proper maintenance of pertinent regulatory follow-up

- Trained and managed undergraduate and graduate students for the Transplant Infectious Disease Research Associate Internship program
- Oversaw the FDA application process and administration of emergency investigational use drugs (EIND) and phages
- Completed multiple analyses for large, multi-site, CDC-funded study

**GATEWAY HEALTH PLAN, *Pittsburgh, PA***

**Project Analyst Intern**

**May 2017-June 2017**

- Collaborated with the Senior Director and the Director of Health Services Analytics team, along with the Director of the Population Health Strategy team on novel research using healthcare data
- Investigated trends and patterns surrounding 30-day and 90-day hospital readmissions among Medicare recipients
- Identified disparities, patterns, and “lessons learned” that could be used to improve delivery of care
- Presented research project findings to the Health Services Analytics team and the Population Health Strategy team

**UPMC PRESBYTERIAN INFECTIOUS DISEASE/TRANSPLANT, *Pittsburgh, PA***

**November 2016-July 2017**

**Research Coordinator Intern**

- Identified and assessed 450 potential research participants for enrollment in a national, multi-center, CDC funded, flu vaccine effectiveness study
- Completed case report forms within required time frame
- Collected study sample swabs from identified patients and sent samples to the laboratory for processing
- Maintained subject research records per sponsor and division standards and policies
- Maintained database of enrollment information for each participant

**UPMC CHILDREN’S HOSPITAL OF PITTSBURGH OF UPMC, *Pittsburgh, PA***

**November 2015-August 2017**

**Patient Information Coordinator**

- Scheduled appointment and surgery, prepared documents, and registered patients in EPIC, Cerner, Medipac, and Open Dental
- Gathered information from and provided information to patients to ensure a positive experience for the patients and families seeking care and with the appropriate financial outcome
- Worked with families to create a comfortable and welcoming hospital environment

**ALLEGHENY GENERAL HOSPITAL, *Pittsburgh, PA***

**August 2014-May 2015**

**Certified Nurse Assistant**

- Provided and documented direct patient care and activities, and reported changes in patients’ physical, mental, and emotional conditions
- Participated in quality and patient satisfaction initiatives
- Helped coordinated the inaugural CAUTI committee

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**VOLUNTEER EXPERIENCE**

**MENTOR COLLECTIVE, Mentor**

**September 2020- Present**

*University of Delaware*

- Mentored senior undergraduate students in post-undergraduate career planning

**UNIVERSITY OF DELAWARE PITTSBURGH ALUMNI CLUB, COMMUNICATIONS CHAIR**

**February 2018- Present**

*Pittsburgh, PA*

- Organize social events for University of Delaware alumni living in the Greater Pittsburgh Area

**GIRLS ON THE RUN AT MAGEE-WOMENS HOSPITAL, Sneaker Bash Committee Member** July 2018- December 2018  
Pittsburgh, PA

- Assisted in the planning of annual fundraising gala for Girls on the Run Pittsburgh

**GIRLS ON THE RUN AT MAGEE-WOMENS HOSPITAL, Assistant Coach** January 2018- May 2019  
Pittsburgh, PA

- Prepare, organize, and supervise weekly lessons and lead 3<sup>rd</sup>-5<sup>th</sup> grade girls through a curriculum which focused on positive body image, proper stretching and running form, good nutrition, and empowerment

## STUDENT ORGANIZATION AND LEADERSHIP INVOLVEMENT

**STUDENT PUBLIC HEALTH EPIDEMIC RESPONSE EFFORT, Vice President** April 2017-December 2017  
*University of Pittsburgh*

- Organized monthly meetings for SPHERE members
- Communicated efficiently with other members of the SPHERE board
- Planned off campus events and trainings for students to increase their public health knowledge and experience
- Worked with the faculty at the University of Pittsburgh Graduate School of Public Health to help recruit students to assist with emerging projects and other school-wide initiatives

**STUDENT PUBLIC HEALTH EPIDEMIC RESPONSE EFFORT, Member** September 2016-April 2017  
*University of Pittsburgh*

- Participated in monthly meetings and attended sponsored trainings including Epi Info

**EPI GIVES BACK** September 2016- December 2017  
*University of Pittsburgh*

- Attended monthly meetings
- Participated in various public health-based volunteer activities throughout the Pittsburgh area

## AWARDS

2021 Pittsburgh Business Times 30 Under 30 Award Recipient

## ABSTRACTS

- 2021 Real-world Effectiveness and Complications of Valganciclovir (VGC) Prophylaxis for Kidney Transplant (KT) Recipients at High Risk for Cytomegalovirus (CMV) infection (CMV Donor (D)+/Recipient (R)-); IDWeek 2021
- 2021 Performance of the T2Resistance panel in detecting antibiotic resistant bacteria directly in whole blood, and implications for improving appropriate therapy of bloodstream infections; IDWeek 2021
- 2020 Flu VE in hospitalized immunocompromised patients; Department of Medicine 2020 Research Day, University of Pittsburgh, Pittsburgh, PA
- 2020 Ethical Considerations for Vaping-related Lung Injury as a Precursor to Emergency Lung Transplantation; 2020 Carol Carfang Nursing and Healthcare Ethics Conference, Clearwater, FL
- 2020 In-Vitro Antibacterial Activities of Cefiderocol (S-649266) Alone and With the Addition of Beta-Lactamase Inhibitors Against Multidrug-resistant *Acinetobacter baumannii*; IDWeek 2020
- 2019 Effectiveness of Influenza Vaccine for Prevention of Influenza-associated Hospitalizations Among Immunocompromised Adults—2017–2018; IDWeek 2019, Washington DC
- 2019 Flu VE in hospitalized immunocompromised patients; IDWeek 2019, Washington D.C.

2019 Respiratory Viral Panel Testing in Intensive Care Units: Effects on Outcomes; IDWeek 2019, Washington D.C.

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## PRESENTATIONS

2019 Flu VE in hospitalized immunocompromised patients; Annual Meeting of the U.S. Hospitalized Adult Influenza Effectiveness Network, Austin, TX

2018 Flu VE in hospitalized immunocompromised patients; Annual Meeting of the U.S. Hospitalized Adult Influenza Effectiveness Network, Pittsburgh, PA

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## PAPERS

1. Erin K. McCreary PharmD, Kevin E. Kip PhD, J. Ryan Bariola MD, Mark Schmidhofer MD, Tami Minnier MSN RN, Katelyn Mayak MS, Debbie Albin BS, Jessica Daley PharmD, Kelsey Linstrum MS, Erik Hernandez PharmD, Rachel Sackowitz, MD, **Kailey Hughes**, Christopher Horvat MD, Graham M. Snyder MD, Bryan J. McVerry, MD, Donald M. Yealy MD, David T. Huang MD MPH, Derek C. Angus MD MPH FRCP, Oscar C. Marroquin MD. A Learning Health System Approach to the COVID-19 Pandemic: System-Wide Changes in Clinical Practice and 30-Day Mortality Among Hospitalized Patients. medRxiv 2021.08.26.21262661; doi: <https://doi.org/10.1101/2021/08/26/21262661>
2. Heldman MR, Kates OS, Safa K, Camille Kotton, Sarah Georgia, Julie Steinbrink, Barbara Alexander, Marion Hemmersbach-Miller, emily Blumberg, Maria Crespo, Ashrit Multani, Angelica Lewis, Omer Eugene Beaird, Brandy Haydel, Ricardo La Holz, Lisset Moni, Yesabeli Condor, Sandra Flores, carlos Munoz, Juan Guitierrez, Esther Diaz, Daniela diaz, Rodrigo Vianna, Giselle Guerra, Matthias Loebe, Robert Rakita, Maricar Malinis, Marwan Azar, Vagish Hemmige, Margaret McCort, Zohra Chaudhry, Pooja Singh, **Kailey Hughes**, Arzu Velioglu, Julie Yabu, Jose Morillis, Sapna A mEhta, Sajal Tanna, Michael Ison, Rade Tomic, Ariella Candace Derenge, David van Duin, Adrienne Maximin, Carlene Gilbert, Jason Goldman, Sameep Sehgal, Dana Weisshaar, Rega Girgis, Joanna Nelson, Erika Lease, Ajit Limaye, Cynthia Fisher. COVID-19 in hospitalized lung and non-lung solid organ transplant recipients: A comparative analysis from a multicenter study. *American Journal of Transplantation*. n/a(n/a). doi: [10.1111/ajt.16692](https://doi.org/10.1111/ajt.16692)
3. Heldman MR, Kates OS, Safa K, Kotton CN, Georgia SJ, Steinbrink JM, Alexander BD, Hemmersbach-Miller M, Blumberg EA, Multani A, Haydel B, La Hoz RM, Moni L, Condor Y, Flores S, Munoz CG, Guitierrez J, Diaz EI, Diaz D, Vianna R, Guerra G, Loebe M, Rakita RM, Malinis M, Azar MM, Hemmige V, McCort ME, Chaudhry ZS, Singh PP, **Hughes Kramer K**, Velioglu A, Yabu JM, Morillis JA, Mehta SA, Tanna SD, Ison MG, Derenge AC, van Duin D, Maximin A, Gilbert C, Goldman JD, Lease ED, Fisher CE, Limaye AP; UW COVID-19 SOT Study Team. Changing trends in mortality among solid organ transplant recipients hospitalized for COVID-19 during the course of the pandemic. *Am J Transplant*. 2021 Sep 12;10.1111/ajt.16840. doi: 10.1111/ajt.16840. Epub ahead of print. PMID: 34514710; PMCID: PMC8653312.
4. Tenforde MW, Olson S, Self W, Talbot HK, Lindsell C, Steingrub J, Shapiro N, Ginde A, Douin D, Prekker M, Brown S, Peltan I, Gong M, Mohamed A, Khan A, Exline M, Files DC, Gibbs K, Stubblefield W, Casey J, Rice T, Grijalva C, Hager D, Shehu A, Qadir N, Chang S, Wilson J, Gaglani M, Murthy K, Calhoun N, Monto A, Martin E, Malani A, Zimmerman R, Silveira FP, Middleton D, Zhu Y, Wyatt D, Stephenson M, Baughman A, Womack K, Hart K, Kobayashi M, Verani J, Patel M, IVY Network. **HAIVEN Investigators**. Effectiveness of Pfizer-BioNTech and Moderna Vaccines Against COVID-19 Among Hospitalized Adults Aged ≥65 Years — United States, January–March 2021. *MMWR Morb Mortal Wkly Rep*. 2021;70. doi: [10.15585/mmwr.mm7018e1](https://doi.org/10.15585/mmwr.mm7018e1)
5. Tenforde MW, Talbot HK, Trabue CH, Gaglani, M, McNeal T, Monto A, Martin E, Zimmerman R, Silveira F, Middleton D, Olson S, Garten Kondor R, Barnes J, Ferdinands J, Patel M, **HAIVEN Investigators**. Influenza

Vaccine Effectiveness Against Hospitalization in the United States, 2019–2020. *The Journal of Infectious Diseases*. 2020;(jiaa800). doi:[10.1093/infdis/jiaa800](https://doi.org/10.1093/infdis/jiaa800)

6. Emily T Martin, Caroline Cheng, Joshua G Petrie, Elif Alyanak, Manjusha Gaglani, Donald B Middleton, Shekhar Ghamande, Fernanda P Silveira, Kempapura Murthy, Richard K Zimmerman, Arnold S Monto, Christopher Trabue, H Keipp Talbot, Jill M Ferdinands, **HAIVEN Study Investigators**. Low Influenza Vaccine Effectiveness Against A(H3N2)-Associated Hospitalizations in 2016–2017 and 2017–2018 of the Hospitalized Adult Influenza Vaccine Effectiveness Network (HAIVEN), *The Journal of Infectious Diseases*, 2020;, jiaa685.<https://doi.org/10.1093/infdis/jiaa685>
7. **Hughes K**, Middleton DB, Nowalk MP, et al. Effectiveness of Influenza Vaccine for Preventing Laboratory-Confirmed Influenza Hospitalizations in Immunocompromised Adults. *Clinical Infectious Diseases*. 2021;(ciaa1927). doi:[10.1093/cid/ciaa1927](https://doi.org/10.1093/cid/ciaa1927)
8. Seaman, Shanti M. BA; Van Pilsum Rasmussen, Sarah E. BA; Nguyen, Anh Q. B; Halpern, Samantha E. BA; You, Susan BA; Waldram, Madeleine M. BA; Anjum, Saad K. BA; Bowring, Mary Grace MPH; Muzaale, Abimereki D. MD, MPH; Ostrander, Darin B. PhD; Brown, Diane RN, MSN; Massie, Allan B. PhD, MHS; Tobian, Aaron A.R. MD; Henderson, Macey L. JD, PhD; Fletcher, Faith E. PhD, MA; Smith, Burke MD; Chao, Ada BA; Gorupati, Nishita BA; Prakash, Katya MD; Aslam, Saima MBBS; Lee, Dong H. MD; Kirchner, Varvara MD; Pruett, Timothy L. MD; Haidar, Ghady MD; **Hughes, Kailey MPH**; Malinis, Maricar MD; Trinh, Sonya MD, MPH; Segev, Dorry L. MD, PhD; Sugarman, Jeremy MD, MPH, MA; Durand, Christine M. MD. Brief Report: Willingness to Accept HIV-Infected and Increased Infectious Risk Donor Organs Among Transplant Candidates Living With HIV. *JAIDS Journal of Acquired Immune Deficiency Syndromes*. 2020;85(1):88–92. doi:[10.1097/QAI.0000000000002405](https://doi.org/10.1097/QAI.0000000000002405)

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### CERTIFICATIONS AND SKILLS

- Proficient in SAS, Stata
- Proficient in Cerner, Mars, EPIC, TheraDoc and Medipac electronic health record systems
- Proficient in Microsoft Office Suite
- Experience with ArcGIS, Photoshop, Epi Info
- AHA BLS for Healthcare Providers
- FIT Test Trainer