Camille J. Hochheimer, PhD

Biostatistician

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Education

Virginia Commonwealth University (VCU)   *Richmond, VA*
Doctor of Philosophy (PhD) from the Department of Biostatistics   *August 2014 - May 2019*

The University of Virginia (UVA)   *Charlottesville, VA*
Bachelor of Arts (BA) in Spanish, Minor in Mathematics   *August 2010 - May 2014*
Graduated with distinction

Skills

Programming   SAS, R, Stata, MATLAB, SQL, LaTeX, Python, Linux

Software   REDCap, SPSS, nQuery, JMP, GIS, Microsoft Suite

Foreign Language   Spanish (proficient)

Professional Experience

Colorado School of Public Health (CSPH), Center for Innovative Design and Analysis (CIDA)   *Aurora, CO*
Research Associate   *July 2021 - present*
- Managing the workflow of the consulting center and supervising research instructors, PRAs, and graduate research assistants
- Conducting Scope of Work meetings for incoming consulting center projects
- Collaborating on data collection and analysis with the University of Colorado's Department of Family Medicine
- Assisting with project development, data management, and data analysis with the University of Colorado's Department of Medicine Division of Gastroenterology and Hepatology

UVA Department of Public Health Sciences   *Charlottesville, VA*
Postdoctoral Research Associate   *September 2019 - June 2021*
- Conducting methods research surrounding functional data analysis and change-point hazard distributions
- Performing signal processing and functional data analysis on respiratory monitoring data
- Analyzing survey data on cancer clinical trial consent and participation

VCU Department of Family Medicine and Population Health   *Richmond, VA*
Graduate Research Assistant   *January 2015 - May 2019*
- Consulted and collaborated with the Family Medicine Research Team
- Assisted with research project development, data management, statistical language for grant applications, hierarchical statistical analyses, and manuscript preparation

VCU Department of Biostatistics   *Richmond, VA*
Graduate Teaching Assistant   *August 2014 - December 2014*
- TA for Statistical Methods I course offered to non-statistics graduate students
- Grading and office hours

Charlottesville Office of Emergency Management   *Charlottesville, VA*
Public Outreach Intern   *June 2013 - August 2013*
- Organized existing outreach materials
- Created and implemented new materials for use at outreach events

Virginia Capital Representation Resource Center   *Charlottesville, VA*
Electronic File Manager   *May 2012 - August 2012*
- Sorted and electronically filed legal documents from capital cases

The EMMES Corporation   *Rockville, MD*
Intern   *June 2011 - August 2011*
- Recruited physicians from stroke centers nationwide for a clinical trial
- Conducted project closeout for a clinical trial

Clinical Research Collaborations

Effect of Helpers Program On-line Training on Smoking Relapse and Social Networks

University of Colorado Department of Family Medicine

Aurora, CO

January 2022 - present

- Investigator: Myra L. Muramoto, MD MPH
- Assisting with data management plan development
- Leading the development of REDCap tools for data collection

ESTIMATE

University of Colorado Department of Medicine Division of Gastroenterology and Hepatology

Aurora, CO

September 2021 - present

- Investigator: Elijah Mun, MD
- Collaborating on the study design and implementation in REDCap
- Creating and executing the statistical analysis plan

A Multicenter Randomized Trial of Seattle Biopsy Protocol Versus Wide-Area Transepithelial Sampling in Patients with Barrett's Esophagus Undergoing Surveillance (The SWAT-BE Study)

University of Colorado Department of Medicine Division of Gastroenterology and Hepatology

Aurora, CO

July 2021 - present

- Investigator: Sachin Wani, MD
- Serving as lead statistician on a national, multi-center trial comparing methods of biopsy sampling during endoscopy
- Refining the statistical analysis plan

Study of Compliance, Practice Patterns, and Barriers Regarding Established National Screening Programs for Barrett's Esophagus (SCREEN-BE)

University of Colorado School of Medicine Division of Gastroenterology and Hepatology

Aurora, CO

July 2021 - present

- Investigator: Sachin Wani, MD
- Performed data management
- Collaborating on the analyses for provider- and patient-level data
- Assisting with manuscript preparation and conference submissions

Comparing home, office and telehealth induction for medication assisted treatment for opioid use disorder (HOMER)

University of Colorado Department of Family Medicine

Aurora, CO

January 2021 - present

- Investigator: Linda K. Zittleman, MSPH
- Assisting with data management plan development as part of the HOMER Data Team
- Leading the HOMER Data Quality Working Group
- Supervising the development of REDCap tools for data collection, patient screening, and randomization
- Creating and disseminating reports on patient enrollment, treatment administration, and survey completion

Analysis of respiratory kinematics (ARK)

UVA Center for Advanced Medical Analytics

Charlottesville, VA

September 2019 - present

- Investigator: Shrirang M. Gadrey, MBBS, MPH
- Summarizing streaming respiratory monitoring data using signal processing
- Assessing periodic trends and creating an algorithm to detect respiratory distress using functional data analysis
- Preparing materials for patent application

Retention in cancer clinical trials: Modeling patients' risk benefit assessments

UVA Department of Public Health Sciences

Charlottesville, VA

September 2019 - present

- Investigator: Connie M. Ulrich, PhD, RN, FAAN
- Performing analysis of the impact of shared decision-making, cancer type, and other patient factors on risk-benefit assessment and informed consent

Virginia Care Study: Engaging primary care practices in understanding the communities they serve

VCU Department of Family Medicine and Population Health

Richmond, VA

December 2017 - May 2019

- Investigator: Alex Krist, MD, MPH
- Performed data management using state-wide databases
- Assisted with grant proposal and poster preparation

Clinical Research Collaborations cont.

Characteristics of patients receiving opioid prescriptions from primary care clinicians

VCU Department of Family Medicine and Population Health

Richmond, VA

December 2017 - May 2019

- Investigator: Sebastian Tong, MD, MPH
- Synthesized several data sources and matched prescription orders to their generic counterpart
- Performed Chi-square, binomial regression, and Kruskal-Wallis analyses
- Assisted with poster and manuscript preparation

Factors influencing guideline implementation (FIGI)

VCU Department of Family Medicine and Population Health

Richmond, VA

October 2017 - June 2020

- Investigator: Sebastian Tong, MD, MPH
- Created a database of clinician characteristics
- Synthesized data sources across multiple health systems
- Led manuscript preparation and assisted with poster preparation

Understanding the characteristics of family physicians who provide Buprenorphine treatment

VCU Department of Family Medicine and Population Health

Richmond, VA

April 2017 - April 2018

- Investigator: Sebastian Tong, MD, MPH
- Performed hierarchical modeling and mapping
- Assisted with poster and manuscript preparation

Intention to practice obstetrics at application for initial board certification

VCU Department of Family Medicine and Population Health

Richmond, VA

January 2017 - January 2018

- Investigator: Sebastian Tong, MD, MPH
- Performed hierarchical modeling and mapping
- Assisted with manuscript preparation

Honduras outreach medical brigade relief effort (HOMBRE)

VCU Department of Family Medicine and Population Health and the Dominican Aid Society of Virginia

Richmond, VA

August 2016 - December 2017

- Investigator: Mark Ryan, MD
- Assisted with study planning and IRB application
- Randomized patients, performed data management, provided data summaries, and analyzed longitudinal data using a GLMM
- Assisted with oral presentation preparation and led manuscript preparation

Understanding the value of community vital signs in Primary Care (CVS)

VCU Department of Family Medicine and Population Health

Richmond, VA

February 2016 - January 2018

- Investigator: Winston Liaw, MD, MPH
- Provided data summaries and assisted with analyses applying a formative measurement model
- Assisted with manuscript preparation

Identifying gaps in well-child care attendance among primary care clinics serving low-income families

VCU Department of Family Medicine and Population Health

Richmond, VA

November 2015 - September 2018

- Investigator: Elizabeth Wolf, MD, MPH
- Collaborated on project development and performed hierarchical modeling
- Assisted with manuscript preparation

Implementing personal health records to promote evidence-based cancer screening

VCU Department of Family Medicine and Population Health

Richmond, VA

March 2015 - May 2019

- Investigator: Alex H Krist, MD, MPH
- Assisted with project planning and data management
- Performed data management and provided data summaries
- Assisted with preparation of several poster presentations

Understanding patient preferences for informed decision-making

VCU Department of Family Medicine and Population Health

Richmond, VA

January 2015 - July 2017

- Investigator: Steven H Woolf, MD, MPH
- Provided data management, data summaries, and regression analyses
- Assisted with manuscript preparation
- Performed analyses including a GLMM and led preparation of a manuscript analyzing study dropout

Statistical Consulting

Face Masks, Behavioral and Environmental Modifications, and Dry Eye
University of Colorado Department of Ophthalmology

Aurora, CO
January 2022 - present

- Investigator: Tianjing Li, PhD
- Planning REDCap database structure and supervising its creation

The Impact of Altitude on Solar Water Disinfection in the Wilderness Setting: An experimental study evaluating E. Coli disinfection at high altitude
University of Colorado Department of Emergency Medicine

Aurora, CO
December 2021 - present

- Investigator: Kylie Van Hoesen
- Creating analysis plan and supervising student completing the analysis

Prevalence of Acne and patient characteristics
University of Colorado Department of Dermatology

Aurora, CO
August 2021-present

- Investigator: Lisa Schilling, MD and Robert Dellavalle, MD, PhD
- Collaborated on data management and supervised analyses

Prevalence of Atopic Dermatitis and patient characteristics
University of Colorado Department of Dermatology

Aurora, CO
August 2021 - present

- Investigator: Torunn Sivesind, MD and Robert Dellavalle, MD, PhD
- Assisted with data pull using OMOP format
- Collaborated on data management and supervised analyses

Advanced Colorectal Neoplasia in Veterans
University of Colorado School of Medicine Division of Gastroenterology and Hepatology

Aurora, CO
August 2021 - November 2021

- Investigator: Tim Yen, MD
- Collaborated on revision of analyses for manuscript resubmission

Occlusion curriculum in the US
University of Colorado School of Dental Medicine

Aurora, CO
August 2021

- Investigator: Krithika Baskaran, BDS, DDS
- Created an analysis plan for survey data and supervised the analysis
- Assisted with writing the abstract

Feasibility of a novel device for assessing visual field deficit via telemedicine
UVA Department of Ophthalmology

Charlottesville, VA
October 2020 - December 2021

- Investigator: Nina J Solenski, MD
- Assisting with project development, provided a data analysis plan and sample size estimate

Retrospective comparison of Kahook Dual Blade goniotomy and Trabectome trabeculotomy as standalone treatment or combined with phacoemulsification for glaucoma
UVA Department of Ophthalmology

Charlottesville, VA
October 2020 - December 2021

- Investigators: Peter Netland, MD PhD
- Created data analysis plan and provided a sample size estimate

Effects of socioeconomic status on overall survival in patients with Glioblastoma
VCU Department of Neurosurgery

Richmond, VA
September 2017 - December 2018

- Investigators: Alper Dincer and William Broaddus, MD, PhD
- Performed data management, regression and survival analyses

Demographic and clinical predictors of survival in Glioblastoma Multiforme
VCU Department of Neurosurgery

Richmond, VA
September 2017 - December 2019

- Investigators: Matthew Carr and William Broaddus, MD, PhD
- Performed data management and survival analyses
- Assisted with manuscript preparation

Supporting practice to adopt registry-based care (SPARC)
VCU Department of Family Medicine and Population Health

Richmond, VA
August 2016

- Investigator: Rebecca Etz, PhD
- Randomized practices and provided practice-specific summaries of diabetes-specific health metrics

Statistical Consulting cont.

Obstructive sleep apnea and hip and knee arthroplasty
VCU Department of Orthopaedic Surgery

Richmond, VA

January 2016 - April 2016

- Investigator: Matthew Thompson, MD
- Provided data management and data summaries
- Performed chi-square and regression analyses
- Assisted with manuscript preparation

Group prenatal care in U.S. family medicine residencies
VCU Department of Family Medicine and Population Health

Richmond, VA

August 2016 - December 2017

- Investigator: Sebastian Tong, MD, MPH
- Performed regression analyses for a poster and resubmission of a manuscript

Calcineurin inhibitor dosing strategy after allogeneic hematopoietic stem cell transplant
VCU School of Pharmacy

Richmond, VA

August 2015 - May 2016

- Investigator: Sarah M. Francis, PharmD
- Assisted with IRB submission by providing a power analysis and methods section
- Provided data summaries and performed logistic regressions

Software

cpsurvsim: **Simulating survival data from change-point hazard distributions**
Hochheimer CJ

Comprehensive R Archive Network

June 2019

Publications

cpsurvsim: **An R package for simulating data from change-point hazard distributions**
Hochheimer CJ, Sabo RT
Under second review

The R Journal

Analysis of respiratory kinematics: a method to characterize breaths from motion signals
Ashe W, Shanno J, Innis S, **Hochheimer C**, Williams R, Ratcliffe S, Moorman J, Gadrey S
Accepted

Physiological Measurement

Primary care provider knowledge and practice in risk assessment for early age onset colorectal cancer: Opportunities for improvement
Parekh A, **Hochheimer C**, Espinoza J, Karlitz J, Lewis C, Wani S, Patel S

Journal of Cancer Prevention

December 2021

Spectrum of advanced colorectal neoplasia and anticipated yield of average-risk screening in veterans under age 50
Yen T, Scolaro J, Montminy E, Karlitz JJ, Wani S, Patel SG, Estrada V, Espinoza JM, Lewis C, Scott FI, Tarter W, **Hochheimer C**

Clinical Gastroenterology and Hepatology

November 2021

Testing for phases of dropout attrition using change-point hazard models

Hochheimer CJ, Sabo RT

Journal of Survey Statistics and Methodology

September 2021

Practice, clinician, and patient factors associated with the adoption of lung cancer screening
Hochheimer CJ, Sabo RT, Tong ST, Westfall M, Wolver SE, Carney S, Day T, Krist AH
PMID: 32605509

Journal of Medical Screening

June 2021

Uptake of statin guidelines to prevent and treat cardiovascular disease

Tong ST, Sabo RT, **Hochheimer CJ**, Brooks EM, Jiang V, Huffstetler AN, Kashiri PL, Krist AH

Journal of the American Board of Family Medicine

January 2021

Patient, clinician, and communication factors associated with colorectal cancer screening
Krist AH, **Hochheimer CJ**, Sabo RT, Puro J, Peele E, Kashiri PL, Vernon SW
PMID: 32989073

Journal of the American Board of Family Medicine

October 2020

Comorbid medical conditions as predictors of overall survival in glioblastoma patients
Carr MT, **Hochheimer CJ**, Rock AK, Dincer A, Ravindra L, Zhang FL, Opalak CF, Poulos N, Sima AP, Broaddus WC
PMID: 31882968

Scientific Reports

December 2019

Publications cont.

Identifying attrition phases in survey data: Applicability and assessment study
Journal of Medical Internet Research
Hochheimer CJ, Sabo RT, Perera RA, Mukhopadhyay N, Krist AH
August 2019
PMID: 31444875

Chronic opioid prescribing in primary care: Factors and perspectives
The Annals of Family Medicine
Tong ST, **Hochheimer CJ**, Brooks EM, Sabo RT, Jiang V, Day T, Rozman JS, Kashiri PL, Krist AH
May 2019
PMID: 31085523

Geographic characteristics of loneliness in primary care
The Annals of Family Medicine
Tong ST, Mullen RA, **Hochheimer CJ**, Sabo RT, Liaw WR, Nease DE, Krist AH, Frey JJ
March 2019
PMID: 30858259

Gaps in well-child care attendance among primary care clinics serving low-income families
Pediatrics
Wolf ER, **Hochheimer CJ**, Sabo RT, DeVoe J, Wasserman R, Geissal E, Opel DJ, Warren N, Puro J, O'Neil J, Pecsok J, Krist AH
October 2018
PMID: 30305388

Buprenorphine provision by early career family physicians
The Annals of Family Medicine
Tong ST, **Hochheimer CJ**, Peterson L, Krist AH
September 2018
PMID: 30201642

Living in "cold spot" communities is associated with poor health and health quality
Journal of the American Board of Family Medicine
Liaw W, Krist AH, Tong ST, Sabo RT, **Hochheimer C**, Rankin J, Grolling D, Grandmont J, Bazemore AW
May 2018
PMID: 29743218

Characteristics of graduating family medicine residents who intend to practice maternity care
Family Medicine
Tong ST, **Hochheimer CJ**, Barr WB, Leveroni-Calvi M, LeFevre NM, Wallenborn JT, Peterson LE
May 2018
PMID: 29537478

Engaging patients in decisions about cancer screening: Exploring the decision journey through the use of a patient portal
American Journal of Preventive Medicine
Woolf SH, Krist A, Lafata JE, Jones R, Lehman R, **Hochheimer C**, Sabo RT, Frosch D, Fisher BZ
February 2018
PMID: 29241715

Probability of undiagnosed obstructive sleep apnea does not correlate with adverse pulmonary events nor length of stay in hip and knee arthroplasty using intrathecal opioid
The Journal of Arthroplasty
Thompson M, Clinger B, Simonds R, **Hochheimer C**, Lahaye L, Golladay G
September 2017
PMID: 28622969

Addressing non-communicable disease on short-term medical trips: A longitudinal study of hypertension treatment in Santo Domingo
The Annals of Global Health
Hochheimer C, Khalid M, Vy M, Chang G, Tu D, Ryan M
August 2017
PMID: 29221519

Publications cont.

Harnessing information technology to inform patients facing routine decisions: Cancer screening as a test case

Krist AH, Woolf SH, **Hochheimer C**, Sabo RT, Kashiri PL, Jones RM, Lafata JE, Etz RS, Tu SP

PMID: 28483886

The Annals of Family Medicine

May 2017

Methods for evaluating respondent attrition in web-based surveys

Hochheimer C, Sabo RT, Krist AH, Day T, Cyrus J, Woolf SH

PMID: 27876687

Journal of Medical Internet Research

November 2016

Oral Presentations

From signal processing to functional data analysis: Analyzing a system of streaming data from different sources

Hochheimer CJ, Ratcliffe SJ, Ashe W, Williams R, Gadrey SM

Eastern North American Region (ENAR), International Biometric Society

Virtual

March 2021

Identifying predictors of respiratory distress using time series methods

Hochheimer CJ, Ratcliffe SJ, Ashe W, Williams R, Gadrey SM

Joint Statistical Meetings

Virtual

August 2020

Geographic characteristics of loneliness in primary care

Mullen R, Liaw W, Nease D, Krist AH, **Hochheimer C**, Sabo RT

North American Primary Care Research Group Annual Meeting

Toronto, Ontario

November 2019

Classification of geographic areas based on primary care access, usage and associations with social determinants of health

Sabo RT, Krist AH, **Hochheimer C**, Donahue E

North American Primary Care Research Group Annual Meeting

Toronto, Ontario

November 2019

Estimating attrition phases using a change-point hazard model

Hochheimer C, Sabo RT

Biostatistics Student Research Symposium

Richmond, VA

August 2018

Estimating survey attrition phases using change-point models

Hochheimer C, Sabo RT, Krist AH

Joint Statistical Meetings

Vancouver, BC

July 2018

Characteristics of early-career family physicians prepared to provide and currently providing buprenorphine treatment

Tong ST, **Hochheimer C**, Aycock R, Krist AH, Peterson L

Society of Teachers of Family Medicine Annual Spring Conference

Washington, DC

May 2018

Estimation of survey attrition phases: Empirical and change- point models

Hochheimer C, Sabo RT

Biostatistics Student Research Symposium

Richmond, VA

August 2017

Empirical estimation of survey attrition phases

Hochheimer C, Sabo RT

Joint Statistical Meetings

Baltimore, MD

July 2017

Observed variations in the social determinants of health between practices within a health system

Krist AH, Liaw W, Bazemore A, Woolf SH, Phillips R, Sabo RT, **Hochheimer C**, Rankin J, Grandmont J, Kashiri P, Tong S, Grolling D

North American Primary Care Research Group Annual Meeting

Colorado Springs, CO

November 2016

Oral Presentations cont.

Empirical estimation of survey attrition phases
Richmond, VA

Hochheimer C, Sabo RT
August 2016

Biostatistics Student Research Symposium

Do short-term medical trips make a difference in treating NCDs?
Atlanta, GA

Ryan M, Chang G, **Hochheimer C**, Khalid M, Tu D, Vy M
September 2016

AAFP Family Medicine Global Health Workshop

Engaging patients in cancer screening decision-making through health information technology
Cancun, Mexico

Krist AH, Woolf SH, Sabo RT, Tu S, Lafata JE, Lehman R, **Hochheimer C**, Kashiri PL, Etz R, Jones R
November 2015

North American Primary Care Research Group Annual Meeting

Respondent attrition in a patient-centered cancer screening survey
Richmond, VA

Hochheimer C, Sabo RT
August 2015

Biostatistics Student Research Symposium

Poster Presentations

Comparing outcomes based on home, office, or telehealth induction for opioid use treatment with Buprenorphine
Zittleman L, Westfall J, Fernald D, Dickinson LM, Kwan B, Carroll J, Sofie B, Hall T, Felzien M, **Hochheimer C**, Lutgen C, Nease D
North American Primary Care Research Group Annual Meeting

Virtual

November 2021

cpsurvsim: **An R package for simulating data from change-point hazard distributions**
Hochheimer CJ, Sabo RT
American Statistical Association Virginia Chapter Annual Conference

Charlottesville, VA

October 2019

Comorbid medical conditions as predictors of overall survival in surgical patients with glioblastoma
Carr MT, Dincer A, Ravindra L, Zhang FL, **Hochheimer C**, Rock AK, Opalak CF, Sima A, Richard H, Broaddus WC
Society for Neuro-Oncology Annual Meeting

New Orleans, LA

November 2018

Factors associated with treatment delays and their effect on survival in patients with glioblastoma multiforme
Dincer A, Carr MT, Rock AK, **Hochheimer C**, Ravindra L, Zhang FL, Opalak CF, Sima A, Broaddus WC
Society for Neuro-Oncology Annual Meeting

New Orleans, LA

November 2018

Implementing USPSTF recommendations: The inclusion of lung cancer screening in primary care practice
Silver N, Tong ST, Sabo RT, Donahue E, **Hochheimer C**, Day T, Krist AH
North American Primary Care Research Group Annual Meeting

Chicago, IL

November 2018

Virtual diabetic education to engaged patients in care with uncontrolled diabetes – a randomized control trial
Krist AH, Taylor L, Robins J, **Hochheimer C**, Sabo RT, Kashiri PL, Rozman J, Day T, Kolenda M, Lutz S, Tong ST, Longo D
North American Primary Care Research Group Annual Meeting

Chicago, IL

November 2018

Patients' understanding of preventive services: High confidence and low knowledge
Rozman J, Krist AH, Kashiri PL, Day T, **Hochheimer C**, Sabo RT, DeVoe J, Vernon S, Parchman M, Warren N, Geissal E
North American Primary Care Research Group Annual Meeting

Chicago, IL

November 2018

Understanding postal survey response rates: A multi-PBRN experience surveying more disadvantaged populations
Kashiri PL, Webel B, Sabo RT, DeVoe J, Geissal E, Dearing M, Warren N, Day T, **Hochheimer C**, Rozman J, Krist AH
North American Primary Care Research Group Annual Meeting

Chicago, IL

November 2018

Implementation challenges with engaging low-income patients online with personalized educational material to promote evidence-based preventive care
Krist AH, Sabo RT, **Hochheimer C**, Kashiri PL, Warren N, Dearing M, Geissal E, Krabbenhoft C, Williams R, Parchman M, Iwamoto G, Vernon S, Day T, DeVoe J, Woolf SH
North American Primary Care Research Group Annual Meeting

Chicago, IL

November 2018

When less is better: Implementing changes in U.S. Preventive Services Task Force cancer screening recommendations
Tong ST, Sabo RT, **Hochheimer C**, Day T, Krist AH
North American Primary Care Research Group Annual Meeting

Chicago, IL

November 2018

Poster Presentations cont.

The health literate care model: Using myhealthfinder to engage patients in improving the quality of preventive care

Chicago, IL

Rozman J, Tong ST, Kashiri PL, Sabo RT, **Hochheimer C**, Day T, Epling J, Brostek E, Harris L, Schrock C, Krist AH

November 2018

North American Primary Care Research Group Annual Meeting

Association between clinician communication and decision making on colorectal cancer screening for more disadvantaged patients

Chicago, IL

Ghafoor R, Rozman J, Kashiri PL, Sabo RT, **Hochheimer C**, Day T, Vernon S, Krist AH

November 2018

North American Primary Care Research Group Annual Meeting

Visualizing primary care access and community health outcomes in Virginia

Chicago, IL

Jiang V, Krist AH, Tong ST, Russell K, Petterson S, Sabo RT, **Hochheimer C**, Day T, Chapman D, Carrozza M, Rankin J, Bazemore A, Liaw W

November 2018

North American Primary Care Research Group Annual Meeting

Engaging patients in self-management: A randomized controlled trial of the diabetes *Engagement and Activation* platform

Washington, DC

Robins J, Krist AH, Taylor L, **Hochheimer C**, Day T, Sabo RT, Kashiri PL, Rozman J, Kolenda M, Lutz S, Longo DR

November 2018

American Academy of Nursing Transforming Health, Driving Policy Conference

Engaging patients in self-management: A randomized controlled trial of the diabetes *Engagement and Activation* platform

Richmond, VA

Robins J, Krist AH, Taylor L, **Hochheimer C**, Day T, Sabo RT, Kashiri PL, Rozman J, Kolenda M, Lutz S, Longo DR

September 2018

VCU School of Nursing Langston Center Annual Symposium

Estimating survey attrition phases using change-point models

Vancouver, BC

Hochheimer C, Sabo RT, Krist AH

July 2018

Joint Statistical Meetings

Visualizing primary care use in Virginia

Bethesda, MD

Jiang V, Tong ST, **Hochheimer C**, Sabo RT, Day T, Russell K, Krist AH

June 2018

North American Primary Care Research Group Practice-based Research Network Conference

Visualizing primary care access in Virginia

Washington, DC

Jiang V, Tong ST, Sabo RT, **Hochheimer C**, Kashiri PL, Rozman J, Day T, Krist AH

May 2018

Society of Teachers of Family Medicine Annual Spring Conference

Characteristics of patients receiving opioid prescriptions from primary care clinicians

San Diego, CA

Tong ST, **Hochheimer C**, Sabo RT, Day T, Krist AH

April 2018

The American Society of Addiction Medicine Annual Conference

Engaging low income patients online with personalized educational material to promote evidence-based preventive care: Barriers to adoption and implementation and the implications for practice-level effectiveness

Arlington, VA

Krist AH, Aycock RA, Kashiri PL, **Hochheimer C**, Sabo RT, Peele E, Warren N, Dearing M, Geissal E, Krabbenhoft C, Williams R, Iwamoto G, Parchman M, Stange K, Day T, Devoe J, Vernon S, Woolf S

December 2017

10th Annual Conference on the Science of Dissemination and Implementation in Health

Provision of continuing medical education as a means of engaging practices to implement workflow changes and a patient portal to promote preventive care

Quebec, Canada

Krist AH, Kashiri PL, Brooks EM, Warren N, Dearing M, Krabbenhoft C, Geissal E, **Hochheimer C**, Sabo RT, Williams RL, Iwamoto G, Parchman ML, Stange KC, DeVoe J

November 2017

North American Primary Care Research Group Annual Meeting

Poster Presentations cont.

Engaging low income patients online with personalized educational material to promote evidence-based preventive care: Preliminary results from a national practice-level randomized controlled trial

Quebec, Canada

Krist AH, Kashiri PL, **Hochheimer C**, Sabo RT, Dearing M, Warren N, Geissal E, Williams RL, Krabbenhoft C, Iwamoto G, Stange KC, Parchman ML, Dat T, DeVoe J, Woolf SH

November 2017

North American Primary Care Research Group Annual Meeting

Understanding the patient, clinician, practice, and health system factors influencing clinical practice guideline implementation

Quebec, Canada

Tong ST, **Hochheimer C**, Sabo RT, Kashiri PL, Day T, Krist AH

November 2017

North American Primary Care Research Group Annual Meeting

Characteristics of early career family physicians providing buprenorphine treatment

Quebec, Canada

Tong ST, **Hochheimer C**, Aycock R, Krist AH, Peterson L

November 2017

North American Primary Care Research Group Annual Meeting

Integrating population health and clinical data to understand the characteristics of patients receiving opioid prescriptions from primary care clinicians

Bethesda, MD

Tong ST, Sabo RT, **Hochheimer C**, Kashiri PL, Dietrich E, Day T, Krist AH

June 2017

North American Primary Care Research Group Practice-based Research Network Conference

Impact of implementing an electronic medical record on an international medical mission

Washington, D.C.

Weeks JB, Hickman J, **Hochheimer C**, Ryan M

April 2017

Consortium of Universities for Global Health Conference

Integrating population health and clinical data to understand the opioid epidemic in two health systems

Colorado Springs, CO

Tong ST, Kashiri PL, Sabo RT, **Hochheimer C**, Woolf SH, Krist AH

November 2016

North American Primary Care Research Group Annual Meeting

Penetrance and practice outcomes of group prenatal care in U.S. family medicine residencies: A CERA secondary data analysis

Madison, WI

Barr WB, Tong ST, LeFevre NM, **Hochheimer C**

August 2016

AAFP Family Centered Maternity Care

Evaluation of calcineurin inhibitor dosing strategy after allogeneic hematopoietic stem cell transplant

Atlanta, GA

Francis SM, Aziz MT, Chung HM, **Hochheimer C**

March 2016

Hematology/Oncology Pharmacy Association

Methods for evaluating dropout attrition in online survey data

Austin, TX

Hochheimer C, Sabo RT, Woolf SH, Krist AH, Day T

March 2016

Eastern North American Region (ENAR), International Biometric Society

Respondent attrition in a patient-centered cancer screening survey

Richmond, VA

Hochheimer C, Sabo RT, Woolf SH, Krist AH, Day T

October 2015

Daniel T. Watts Research Poster Symposium

Change in prostate cancer screening practice after new USPSTF recommendations

Cancun, Mexico

Krist AH, Arkind J, Romney C, Aycock R, Williams R, Puro J, Longo D, DeVoe J, Tu SP, Wolver S, Etz R, Day T, **Hochheimer C**, Sabo RT

November 2015

North American Primary Care Research Group Annual Meeting

Grants

Effect of Helpers Program On-line Training on Smoking Relapse and Social Networks

National Institutes of Health / NCI   *March 2021 - February 2026*

- Investigator: Myra L. Muramoto, MD MPH
- Grant # 1R01CA248658-01A1

Home versus Office versus Telehealth for Medication Enhanced Recovery (HOMER)

Patient-Centered Outcomes Research Institute   *July 2020 - June 2023*

- Investigators: Linda K. Zittleman, MSPH; Donald E. Nease, MD
- Grant # IHS-2019C1-16167

Analysis of respiratory kinematics (ARK): Novel wearable technology for remote detection of labored breathing in COVID-19 patients

Ivy Foundation COVID-19 Translational Research Fund   *August 2020 - July 2021*

- Investigator: Shrirang M Gadrey, MBBS, MPH
- Pilot grant

Developing high-quality tools to characterize allograft quality, predict transplant outcomes, and expand access to kidney and liver transplantation

National Institutes of Health   *July 2020 - June 2024*

- Investigators: Peter P. Reese, MD, MSCE; Sarah J. Ratcliffe, PhD; David S. Goldberg, MD
- Grant # R01-DK123041

Retention in cancer clinical trials: Modeling patients' risk benefit assessments

National Institutes of Health / NCI   *December 2014 - November 2019*

- Investigator: Connie M. Ulrich, PhD, RN, FAAN
- Grant # R01-CA196131-05

Quantitative analysis of breathing motion signals for high-impact respiratory monitoring

UVA Center for Engineering in Medicine   *October 2019 - May 2020*

- Investigator: Shrirang M. Gadrey, MD, MPH
- Seed grant

A randomized control trial to evaluate how family physicians use a novel chronic opioid registry combining individual and place-based data to reduce harms

American Academy of Family Physicians Joint Grant Awards Program   *January 2017 - December 2017*

- Investigator: Sebastian Tong, MD, MPH
- Pilot grant

Understanding health system, practice, clinician and patient factors associated with the implementation of new clinical practice guidelines

Agency for Healthcare Research and Quality   *September 2016 - May 2018*

- Investigator: Sebastian Tong, MD, MPH
- R03

Identifying gaps in well-child care (WCC) attendance among primary care clinics serving low-income families

American Academy of Pediatrics   *January 2016 - February 2017*

- Investigator: Elizabeth Wolf, MD, MPH
- Pilot grant

Grants cont.

Understanding the value of community vital signs in primary care

Virginia Commonwealth University Center for Clinical and Translational Research (CCTR)
Endowment Fund Grant

January 2016 - December 2016

- Investigator: Alex Krist, MD, MPH
- Pilot grant

Implementing personal health records to promote evidence based cancer screening

National Institutes of Health / NIMH

January 2013 - June 2018

- Investigator: Alex Krist, MD, MPH
- Grant # R01-CA168795-03

Committees

CSPH Department of Biostatistics and Informatics Seminar Committee

Aurora, CO

Member

December 2021 - present

- Inviting researchers both on and off campus to come present their research
- Performing administrative tasks to organize the semester's schedule of talks

CIDA Research Associate Hiring Committee

Aurora, CO

Chair

November 2021 - present

- Leading committee meetings and phone screenings
- Conducting code review with candidates

CIDA 5-year Strategic Planning

Aurora, CO

Chair of the Consulting and Campus Visibility Committee

November 2021 - present

- Establishing a committee with representatives across campus
- Leading committee meetings, presenting statistics on our consulting center, and conducting a SWOT analysis
- Compiling a report on committee findings and participating in outcomes planning

VCU Department of Biostatistics Promotion and Tenure Committee

Richmond, VA

Student representative

August 2016 - November 2016

- Served as student representative for the promotion of Dr. Dipankar Bandyopadhyay
- Solicited student recommendations and assisted with report on teaching

Biostatistics Tea Time

Richmond, VA

Chair

August 2015 - August 2017

- Established a monthly networking hour for students and faculty
- Planned and led group activities for each meeting and provided refreshments for attendees

Professional & Community Service

Eastern North American Region (ENAR), International Biometric Society *Virtual*

Session Chair and Organizer *June 2020 - March 2021*

- Researched and recruited statisticians whose research contributes to identifying, assessing, and alleviating health disparities
- Submitted a session proposal that was accepted by ENAR as an invited session
- Organized session logistics and prepared tailored questions for each speaker
- Facilitated session entitled, "Statistics and Equity Research"

Annual Biomedical Research Conference for Minority Students *Virtual*

Abstract Reviewer, Poster Judge, & Mentor *September 2021 - November 2021*

- Assessed abstracts from college and post-baccalaureate students for acceptance to the conference
- Judged ePoster competition and provided individual feedback
- Met with students individually for mentoring sessions regarding their research and career plans

Annual Biomedical Research Conference for Minority Students *Virtual*

Abstract Reviewer & Poster Judge *September 2020 - November 2020*

- Assessed abstracts from college and post-baccalaureate students for acceptance to the conference
- Judged ePoster competition and provided individual feedback

Women in Medical Sciences at UVA *Charlottesville, VA*

Volunteer *January 2020 - June 2021*

- Served as a judge for a poster symposium at a local high school
- Attend organization meetings, panels, and lectures

Team fEMR *Detroit, MI*

Volunteer Statistical Consultant *January 2019 - present*

- Assist with project reports summarizing patients served on medical missions
- Helped refine the electronic data collection tool

Neighborhood Resource Center *Richmond, VA*

Volunteer *February 2017 - February 2019*

- Volunteered for the Out-of-School Time Program
- Helped students complete their homework and led afternoon classes

American Statistical Association (ASA)

Member *February 2016 - Present*

- Attend and present at ASA sponsored conferences
- Member of the Justice, Equity, Diversity, and Inclusion Outreach Group
- Volunteer with ASAGivesBack

Teaching & Mentoring

University of Colorado Data Week
Instructor

Aurora, CO

Februrary 2022

- Preparing a talk on working with a statistician
- Presenting this talk as part of CU Data Week 2022

University of Colorado Department of Family Medicine
Instructor

Aurora, CO

January 2022

- Creating and presenting course demonstrating how REDCap can be used for project management
- Building REDCap projects for participants to show examples of how these strategies are implemented

University of Colorado Office of Regulatory Compliance
Instructor

Aurora, CO

November 2021 - present

- Serving as the instructor for the Data Acquisition and Management course of the Responsible Conduct of Research curriculum
- Leading this course once per semester

UVA Department of Public Health Sciences
Guest lecturer

Charlottesville, VA

August 2020 - present

- Organizing and presenting lectures for the Biostatistics I course for the Masters in Public Health program
- Creating supplemental R code for all course content

Biostatistical Consulting Laboratory
Education and Research Assistant

Richmond, VA

October 2016 - May 2019

- Organized and presented lectures on study design for pediatric residents at VCU
- Assisted with study development and analyses with the VCU Department of Neurosurgery
- Mentored junior students on effective statistical collaboration

VCU Career Services
Panel member

Richmond, VA

September 2017

- Served as a panel member for a "Navigating Conferences" workshop
- Advised students on how to prepare an elevator speech and successfully engage with other researchers at conferences

VCU Department of Biostatistics
Guest lecturer

Richmond, VA

March 2017

- Presented a lecture for Structural Equation Modeling, a graduate-level course, on mediation analysis
- Created and worked through a mediation analysis tutorial with students in R

Honors & Awards

2019	**Honorable Mention,** Society of Teachers of Family Medicine Research Paper of the Year	*Leawood, KS*
2018	**Third Place,** Biostatistical Student Research Symposium	*Richmond, VA*
2018	**CTSA Team Science Award in Informatics,** Langston Center Annual Symposium	*Richmond, VA*
2018	**Elected to Graduate Student Honor Society,** Alpha Epsilon Lambda	*Richmond, VA*
2018	**School of Medicine Scholarly Achievement Award,** The Honor Society of Phi Kappa Phi	*Richmond, VA*
2017	**Second Place,** Biostatistical Student Research Symposium	*Richmond, VA*
2017	**Best Poster in Behavioral Health,** NAPCRG PBRN Conference 2017	*Bethesda, MD*
2017	**School of Medicine Scholarly Achievement Award,** The Honor Society of Phi Kappa Phi	*Richmond, VA*
2016	**Second Place,** Biostatistical Student Research Symposium	*Richmond, VA*
2016	**C.C. Clayton Award,** VCU School of Medicine	*Richmond, VA*
2016	**Third Place,** Biostatistical Student Research Symposium	*Richmond, VA*
2016	**Travel Grant to attend ENAR,** VCU Graduate School	*Richmond, VA*
2015	**Elected to Honor Society,** The Honor Society of Phi Kappa Phi	*Richmond, VA*
2012	**ACC Scholar Athlete Award,** UVA Athletics Banquet	*Charlottesville, VA*
2012	**National Champions,** NCAA Rowing National Championships	*Mercer Lake, NJ*
2012	**ACC Champions,** ACC Rowing Championships	*Clemson, SC*
2011	**ACC Champions,** ACC Rowing Championships	*Clemson, SC*