

Annual Report and Review of Accomplishments

THE ROGER C. LIPITZ CENTER FOR INTEGRATED HEALTH CARE

July 1, 2022 - June 30, 2023



A YEAR IN REVIEW

Faculty, staff, and trainees at the Roger C. Lipitz Center for Integrated Health Care are making important contributions to research, policy, and practice related to the care ecosystem. Through the challenges of the past several years, including the COVID-19 pandemic, social justice and economic unrest, and efforts toward a new normal, our Center continues to persevere and thrive. We are proud to welcome new staff, trainees, and faculty to our Center and remain committed to advancing our mission of conducting innovative research, educating the leaders of tomorrow, and translating discoveries into effective policies and practices to improve the quality of care and quality of life of people with complex health and social needs and disabilities.

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LETTER FROM THE DIRECTOR

This has been an exciting year! In the last year: the Administration for Community Living introduced the first National Strategy to Support Family Caregivers, the Centers for Medicare and Medicaid Services (CMS) announced the Guiding an Improved Dementia Experience (GUIDE) model geared toward better support people living with dementia and their unpaid caregivers - and the 2024 Medicare physician fee schedule proposes payments when practitioners train and involve caregivers in carrying out a patient's treatment plan under specific circumstances, while the FDA approved two new pharmaceuticals that promise to alter the course of Alzheimer's disease, with others on the horizon. These exciting developments directly connect to our Center's mission to improve the quality of care and life for persons living with complex health and social needs.



Closer to home, we celebrate accomplishments of Center faculty and trainees. Chaneé Fabius received a career development award from the National Institute on Aging to advance her work to support direct care workers in the context of Medicaid home and community-based research. Lisa Reider has developed an initiative to advance geriatric orthopedic trauma through Major Extremity Trauma Consortium (METRC). A highlight of my year was being named to the new RAISE Family Caregiving Council, convened by the Administration for Community Living. It was especially meaningful to honor our colleague Dr. Judith Kasper through awarding the inaugural Judith Dellinger Kasper Dissertation Award to Andrew Jopson for his proposal, "Variation in Characteristics and Outcomes Among Older Dual-Enrollees Living in Areas with Managed Long-term Services and Supports (MLTSS)," which draws on the National Health and Aging Trends Study.

A focus of the last year has been building community to amplify the reach and scope of our work through partnerships that are aligned with our Center's mission. We have initiated a monthly cross-school workgroup that focuses on contextual factors in long-term services and supports in partnership with the Hopkins Economics of Alzheimer's Disease and Services (HEADS) Center and the Center for Equity in Aging. We recently co-convened - with our sister Center at the University of Michigan - a summer workshop for early-stage investigators using the National Study on Caregiving. In June, we held a workshop on disparities in dementia care and services in close partnership with the Johns Hopkins Alzheimer's Disease Resource Center for Minority Aging Research and the Hopkins Center for Health Disparities Solutions in which we brought 25 early stage investigators to Baltimore to build mentorship and collaborations. Finally, the Coalition for Care Partners continues to mature through research, policy, and practice initiatives, including its quarterly Learning Collaborative.

Continuing to sustain and strengthen our tri-school (Nursing, Medicine, Bloomberg School) T32 training program in Health Services and Outcomes Research (HSOR) for Aging Populations continues to be a central feature of the Center's commitment to training. As we wrap up the third year of the T32 training program, we celebrate accomplishments of former trainees, including transitions into research careers (Burgdorf, DeGroot, Keita, Okoye, Powell) and successful career development grant applications (Powell, Okoye, Burgdorf). We continue to attract top candidates across diverse fields and welcome appointing four new trainees to our program with a mix of clinical (postdoctoral fellows: Chae (MD) and Jenkins (NP, PhD)) and social science (pre-doctoral fellows: Bragg and Davoodi) backgrounds. We celebrate eleven first author publications this year led by trainees that resulted from work completed during their appointment to our program.

It always is bittersweet to say goodbye to those who have been a part of our Center. Upon completing her post-doctoral fellowship Danielle Powell will be starting a position as Assistant Professor at the University of Maryland Division of Speech and Hearing Sciences. So Yeon Kang completed her PhD this past spring and is joining the faculty at Georgetown as an Assistant Professor in the Department of Health Management and Policy. Kate Zou completed her MSPH degree in May 2023 and is taking a gap year prior to pursuing medical school. After 3 years growing our external-facing presence as a Communications Specialist, Munin Worthington has accepted a new position as a next step in advancing her career. Finally, Abby Russman worked with our team for the last 2 years as an undergraduate research assistant and in her senior year is leaving to pursue research in her area of passion involving the criminal justice system.

This year marks the end of my 5th year as Center Director. I am proud of what we have accomplished and am shocked by how quickly the time has gone by! In the next year we will continue to focus on internal and external convenings and collaborations that bridge research, policy, and practice – including strategic planning directed at expanding our policy footprint, connecting students to research and policy opportunities, and welcoming new faculty to our community.

Jennifer Wolff, PhD
Eugene and Mildred Lipitz Professor
of Health Policy and Management



ABOUT THE CENTER

The Roger C. Lipitz Center for Integrated Health Care is an interdisciplinary collaborative engaged in conducting innovative research, educating the leaders of tomorrow, and translating discoveries into effective policies and practices that improve the quality of care and quality of life of persons with complex health needs and disabilities. The Center is situated within the Department of Health Policy and Management at the nation's top-ranked School of Public Health. With strong connections across the University, most notably with the nation's top-ranked Division of Geriatric Medicine and Gerontology and School of Nursing, the Center is uniquely positioned as a hub of research, policy, and practice initiatives.

The Center possesses a diverse faculty and a research portfolio that encompasses economic evaluation and modeling, policy analysis and synthesis, epidemiological studies, observational analyses, and behavioral interventions. The Center has been the home of the National Health and Aging Trends Study and its National Study of Caregiving, an important national resource that was developed to serve as the definitive source of information on disability trends and trajectories in late life. The Center also has a long history of policy work related to payment models and financing of services. Finally, the Center has a tradition of conducting and collaborating to support interdisciplinary interventional research to effect change in care delivery through such models as Guided Care, Hospital at Home, MIND at Home, SHARING Choices, and CAPABLE. Each of these lines of inquiry are important to the current and future research priorities of the Center.





"The solutions facing people who need post-acute care are becoming more and more complex. I want to make sure that policies in the future will be based on facts, not emotions."

Roger C. Lipitz

Vision

The Roger C. Lipitz Center for Integrated Health Care will serve as a leader in the development of policies, service delivery, and payment models that contribute to excellence in integrated care for persons with complex care needs and prepare leaders and champions of outstanding integrated care systems.

Mission

The Center strives to discover and disseminate practical, cost-effective approaches to deliver comprehensive, coordinated, compassionate care to persons with complex care needs and their families.

Long-Term Goals

- To conduct research to promote the delivery of comprehensive, coordinated, compassionate, and affordable care to persons with complex care needs and their families.
- To prepare the next generation of scholars, practitioners and administrators to lead the continued integration of care for adults with complex care needs.
- To disseminate new knowledge on integrated care to those in a position to effect change including policy officials, health care leaders, health professionals, and researchers.

History

The Roger C. Lipitz Center for Integrated Health Care and the Eugene and Mildred Lipitz Professorship were created in 1998 through a generous gift from Roger and Flo Lipitz and the Lipitz Family Foundation to the Johns Hopkins Bloomberg School of Public Health. The Center was established to serve as a catalyst for evidence-informed health policy to benefit the lives of persons with disabilities and complex health needs. The Professorship honors Roger's parents, who were early leaders in nursing home care. Roger continued in this career path and was instrumental in building the field in Maryland, serving as chair of the board of Meridian Healthcare, the largest provider of long-term care services in Maryland at the time, and president of both the American Health Care Association and the Maryland Nursing Home Association. Mr. Lipitz has a longstanding commitment to helping others through civic activities. He is a trustee emeritus of the Johns Hopkins University and former chair of the Johns Hopkins Bloomberg School of Public Health's Advisory Board.

Leadership

Since 2018, the Roger C. Lipitz Center has been directed by Jennifer Wolff, PhD, MHS, the third Eugene and Mildred Lipitz Professor in the Department of Health Policy and Management, succeeding Karen Davis, PhD (2013-2018) and Chad Bault, MD, MPH, MBA (2003-2013).

Impact

The impact of the Roger C. Lipitz Center for Integrated Health Care is driven by the accomplishments of its members and their research, advocacy and academic pursuits to advance Center mission areas. Center research spans observational and policy analysis at the societal level, to interventional studies of programs and/or services at the individual level.

OUR PEOPLE

Core Members

Jennifer Wolff, PhD, MHS
Eugene and Mildred Lipitz
Professor & Center Director

Abigail Antoine, BA
Senior Administrative
Coordinator

**Jeromie Ballreich, PhD,
MHS**
Associate Scientist

Diane Echavarria, MS
Senior Research Program
Manager

Chancee Fabius, PhD, MA
Assistant Professor

Valecia Hanna, MS
Research Data Analyst

Chase Mullholland, MPH
Student Research Assistant

Danielle Peereboom, MPH
Program Manager

Lisa Reider, PhD, MHS
Assistant Professor

Abigail Russman
Student Research Assistant

Danny Scerpella, MPH
Research Associate

Karen Shen, PhD
Assistant Professor

Maureen Skehan, MSPH
Senior Research Associate

Munin Worthington, MPH
Communications
Specialist

MJ Mingche Wu, MSPH
Research Data Analyst

Kate Zou, MSPH
Student Research Assistant

Doctoral Students

Andrew Jopson, MPH
HSR&P, 3rd year

So Yeon Kang, MPH, MBA
HSR&P, completed May 2023

Jeff Marr, BA
Health Economics, 2nd year

**Jenni Seale Reiff, MS,
OTR/L**
HSR&P, 3rd year

**Tiffany Riser, MSN, MPH,
ANP-C**
Nursing, 2nd year

Aleksandra Wec, BA
HSR&P, 2nd year

Post-Doctoral Trainees

April Ehrlich, MD
School of Medicine

**Mary Louise Pomeroy,
PhD, MPH**
School of Nursing

Danielle Powell, AuD, PhD
Bloomberg School

Jamie Smith, PhD, RN
School of Nursing

Affiliates

**Martha Abshire, PhD, MS,
RN**
School of Nursing

**Halima Amjad, MD, PhD,
MPH**
School of Medicine

Gerard Anderson, PhD
Bloomberg School

**Alicia Arbaje, MD, PhD,
MPH**
School of Medicine

Cynthia Boyd, MD, MPH
School of Medicine

Julia Burgdorf, PhD
Bloomberg School

Thomas Cudjoe, MD, MPH
School of Medicine

Emmanuel Drabo, PhD
Bloomberg School

Vadim Dukhanin, MD
Bloomberg School

Joe Gallo, MD
Bloomberg School

Kelly Gleason, PhD, RN
School of Nursing

Ariel Green, MD, PhD, MPH
School of Medicine

Bruce Leff, MD
School of Medicine

Joe Levy, PhD
Bloomberg School

Stephanie Nothelle, MD
School of Medicine

**Katherine Ornstein, PhD,
MPH**
School of Nursing

Dan Polsky, PhD
Bloomberg School
Carey Business School

**Mariah Robertson, MD,
MPH**
School of Medicine

David Roth, PhD
School of Medicine

**Laura Samuel, PhD, MSN,
RN**
School of Nursing

Quincy Samus, PhD
School of Nursing

Nancy Schoenborn, MD
School of Medicine

Jennifer Schrack, PhD
Bloomberg School

Mariana Socal, MD
Bloomberg School

**Janiece Taylor, PhD, MSN,
RN**
School of Nursing

"A focus of the last year has been building community to amplify the reach and scope of our work through partnerships that are aligned with our Center's mission."

Jennifer Wolff



UPDATES AND HIGHLIGHTS

Core Members: Faculty & Staff

Abigail Antoine, BA



Antoine is a Senior Administrative Coordinator in the Department of Health Policy and Management. Antoine completed her bachelors degree in psychology in 2021 and recently joined the center in May 2023. Abigail has lived in Baltimore her entire life and enjoys exploring the city. Her favorite pastime is visiting the Baltimore Museum of Art for new exhibits and to support various artists.

Jeromie Ballreich, PhD, MHS



Ballreich is an Associate Scientist in the Department of Health Policy and Management with expertise in economic evaluation, pharmaceutical policy, and care delivery and payment policy directed at meeting the needs of high-needs high-cost patients. He is the Director of the MHS in Health Economics and Outcomes Research program. Highlights from this year include publishing in *Annals of Internal Medicine* on Medicare spending for drugs with accelerated approval and publishing in *Value in Health* on the cost effectiveness of prostate cancer treatments. Ballreich advises the Centers for Medicare and Medicaid Services on the implementation of the Inflation Reduction Act and a demonstration project on accelerated approval of pharmaceuticals that was recently initiated by a Presidential Executive Order.

Diane Echavarria, MS



Echavarria is a Senior Research Program Manager who has been working at Johns Hopkins for the past fifteen years, spanning work in stroke, cognitive neuropsychology, cancer epidemiology, and research related to the support of families of older adults with complex health needs. Echavarria holds a master's degree in Biotechnology, a bachelor's degree in Neuroscience, and a bachelor's degree in Spanish Literature from Johns Hopkins. Prior to joining the Center in 2016, Echavarria led a nationwide registry of 6,000 families at risk for pancreatic cancer. Echavarria has previously been involved in the event committee for the League for People with Disabilities, with the goal of raising funds for wraparound support services for individuals with disabilities. She helped found a grassroots organization to raise money to aid Ukrainian humanitarian efforts, raising over \$200,000 over the past two years.

Chanee Fabius, PhD, MA



Fabius is an Assistant Professor in the Department of Health Policy and Management. She is a health services researcher whose work focuses on improving equity and quality in long-term services and supports. Highlights of this last year include being awarded an NIA-funded K01 Career Development Award to support her research to strengthen information sharing between direct care workers and family caregivers of older persons with dementia receiving Medicaid Home and Community-Based Services in Maryland. Fabius is also part of the 2023-2024 IMPACT Collaboratory Faculty Scholars Program. Fabius published 4 papers focusing on equity in long-term services and supports and led an NIA-funded IMPACT Collaboratory Career Development Award to better understand the role of direct care workers in home care delivery for older adults with disabilities. Fabius co-leads the Contextual Factors in Aging and LTSS Research Working Group, which is supported by the Roger C. Lipitz Center, HEADS Center, and the Center for Equity in Aging in the Johns Hopkins School of Nursing.

Valecia Hanna, MS



Hanna joined the team in 2021 as a research assistant and was promoted to research data analyst in 2022. Hanna received her bachelor's and master's degree in Sociology from Morgan State University. Hanna serves as an integral team member of two NIH funded studies supporting older adults with dementia and their care partners. Most recently, she has been fundamental in coordinating the qualitative analysis phase of both studies. Hanna's previous research-focused on violence prevention in Baltimore city while working with the Safe Streets Baltimore Violence Prevention and Interruption Program. Hanna hopes to continue to deepen her expertise in aging research and significantly assist in building the portfolio of the Lipitz Center.

Chase Mulholland, MPH



Mulholland joined Dr. Wolff's team in the fall of 2022 to support the SHARING Choices study while completing her MPH at the Bloomberg School. She used her knowledge from her qualitative reasoning courses to help conduct interviews, take notes, write and utilize the codebook, and analyze qualitative data. After graduating with her MPH in May 2023 Mulholland transitioned to the SHARE study to support qualitative coding and analysis. Mulholland received her bachelor's degrees in International Studies and Spanish from Miami University.

Danielle Peereboom, MPH



As the Center's program manager, Peereboom provides administrative leadership to Center collaborations and initiatives. Peereboom supports the Center's Cross-School Health Services and Outcomes Research for Aging Population T32 Training Program as well as the research arm of the Coalition for Care Partners. In this context, she collaborates and supports related research projects and initiatives to bolster effective engagement of care partners through consumer-oriented health information technologies. Peereboom's previous experience includes leading a team of practice facilitators to implement Comprehensive Primary Care Plus (CPC+) in over 550 practices across Ohio and Northern Kentucky. She also managed a statewide primary care practice-based research network, supported development of a patient research advocacy initiative for cancer research, and collaborated with primary care practices and behavioral health organizations to advance tobacco treatment practices and policies.

Lisa Reider, PhD, MHS



Reider is an Assistant Professor of Health Policy and Management and expert in the design and conduct of multicenter clinical trials. Lisa is the Associate Director of the Coordinating Center of the Major Extremity Trauma and Rehabilitation Consortium (METRC), a network of clinical centers and a data coordinating center that conducts multi-center clinical research studies. Highlights of the last year include METRC's being awarded Elizabeth Winston Lanier Kappa Delta Award, the most prestigious award in orthopedic research and initiating a research group within METRC focused on developing and testing interventions to improve care and outcomes after orthopedic trauma in older adults. Reider is currently developing interventional studies directed at improving nutrition, mobility and functional independence following hip fracture. This year she was accepted into the 2023 NIH Advancing Geriatrics Infrastructure and Network Growth (AGING) Multiple Chronic Conditions Scholar Program.

Abigail Russman



Russman is a rising senior at Johns Hopkins who is double majoring in Public Health Studies and Political Science. She has worked as a Research Assistant on a variety of Center activities, including as a data collector on the SHARE randomized trial, conducting follow up interviews and participant recruitment of adults ages 80 years and older and their family care partners since the Fall of 2021.

Danny Scerpella, MPH



Scerpella is a Research Associate who has been working at Johns Hopkins for the last six years on research focused on older adults living with dementia. He was a key team member on the ADS Plus, CAPABLE, and Dementia Behavior trials at the Center for Innovative Care in Aging in the School of Nursing prior to joining the Center. Scerpella holds a Master of Public Health from the Bloomberg School. Promoted to a faculty position in August 2022, he has spent the last year broadening his exposure and contributions to the Center. Scerpella has advanced a human centered design team to prototype shared patient portal access solutions based on extensive focus group feedback. He has been highly involved in executing the pragmatic SHARING Choices cluster randomized trial and coordinating activities with our organizational partners and the data delivery from our regional health information exchange (CRISP) while working within the Johns Hopkins electronic health record to understand patient data relevant to the analysis.

Karen Shen, PhD



Shen is an Assistant Professor of Health Policy and Management and health economist. Her research focuses on understanding how financing and workforce policies such as Medicaid Home and Community-Based Services and nursing home staffing regulations affect older adults and their caregivers. Highlights of the last year include starting her faculty position at JHU, publishing two papers related to nursing home staffing patterns during the COVID-19 pandemic, and presenting her work-in-progress on the effects of overtime and travel time regulation on the home care workforce at the American Society of Health Economists conference. Shen also conducts research on people with substance use disorders, and received a pilot award through the Hopkins Business of Health Initiative to understand drivers of differences in treatment rates across payers using an all-payer claims database from Wisconsin.

Maureen Skehan, MSPH



Skehan is a Senior Research Associate in the Department of Health Policy and Management and is a core member of the NHATS team. Skehan is highly involved in operational aspects of NHATS and NSOC including study design, monitoring of field operations, data management, documentation, dissemination, and technical assistance and support for the studies' respective research communities. Over the past year, Skehan has contributed to NHATS and NSOC documentation and presented at numerous user workshops, including a Gerontological Society of America (GSA) pre-conference workshop.

Jennifer Wolff, PhD, MHS



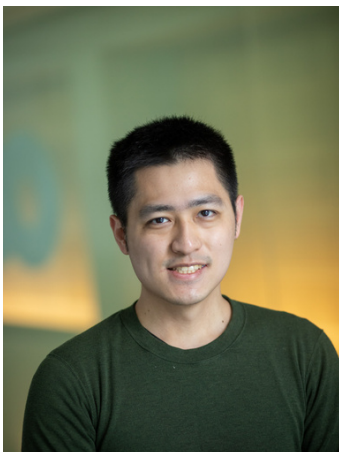
Wolff is the Eugene and Mildred Lipitz Professor of Health Policy and Management, jointly appointed in the School of Nursing and Division of Geriatric Medicine and Gerontology in the School of Medicine. Her work focuses on strategies to improve quality of care and life for those living with disability and serious illness and their care partners. She leads two NIA-funded embedded trials to improve communication among older adults with cognitive impairment in primary care (SHARE and SHARING Choices). Wolff's new projects include a John A. Hartford Foundation-funded initiative to evaluate the spread of organizational strategies to increase uptake of patient portal use by care partners of older adults, and a leadership award by the National Institute on Aging to better understand and address the needs of caregivers to persons living with dementia through consumer health information technology.

Munin Worthington, MPH



For the last three years, Worthington has supported communications activities for the Center. Over the past year, she has continued to grow the Center's social media presence, supported communications activities through the website and its quarterly newsletter, and collaborated with faculty on Center issue briefs. She has eight years of communications, marketing, and project management experience and earned her MPH in public health communications and marketing from the George Washington Milken Institute School of Public Health.

MJ Wu, MSPH



Wu is a research data analyst who joined the team in September 2021 after graduating from the Bloomberg School's Master of Science in Public Health (MSPH) program in Health Policy and Management. MJ holds a bachelor's degree in human biology from the University of California, San Diego. He is interested in about quality of care, patient safety, cost effectiveness, but most importantly data analysis. MJ has been involved in projects using the NHATS/NSOC data set and electronic medical record data. His Stata and R skills aid the team with data and statistical analysis including natural language processing of a vast number of clinical notes and MyChart messages. Outside of being a data analyst, he produces and co-hosts a podcast "Everything is Public Health" with Bloomberg School professor Dr. Cassandra Crifasi.

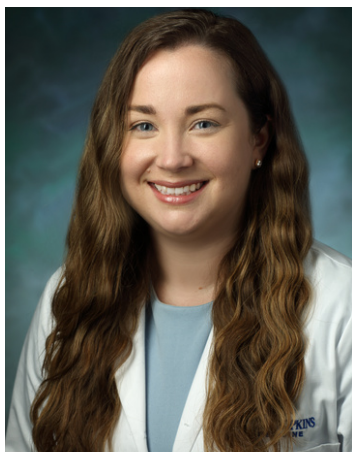


Kate Zou, MSPH

Zou joined Dr. Wolff's team as a full-time research coordinator in May 2022 and primarily worked on the SHARE Study. She obtained her MSPH from the Bloomberg School in May 2023. Zou received a bachelor's degree in Life Sciences from McMaster University. She used her knowledge and transferable skills to positively contribute to the SHARE study while learning extensively from experts in health services research.

Trainees

April Ehrlich, MD



Ehrlich is a postdoctoral fellow who joined the Health Services and Outcomes Research for Aging Populations T32 Training Program following her clinical geriatrics fellowship in July 2022. Ehrlich's research focuses on program development and implementation to improve inpatient outcomes in cognitively and functionally frail older adults, particularly following surgery. Since joining the T32, Ehrlich has published on the improvement in both clinical and cost outcomes following implementation of a Geriatric Surgical Pathway. She has continued to teach clinically and mentor medical students participating in the Medical Student Training in Aging Research (MSTAR) Program. She is completing her Master of Health Science in Clinical Investigation at the Bloomberg School of Public Health through the Graduate Training Programs in Clinical Investigation. Ehrlich was appointed to the American Geriatrics Society Early Career Professional Ex Officio Board for a 3-year term starting in 2022 and serves as an Investment Committee Member at the executive level.

Andrew Jopson, MPH



Jopson is a 4th year health services research and policy doctoral candidate. Andrew earned his bachelor's degree at University of California, Berkeley and his MPH at the University of Washington (UW) School of Public Health. He previously worked as a research scientist in the Department of Family Medicine at UW where he focused on health workforce issues and the development of health career pathways. Over the past year, Jopson continues to support Center faculty through the NHATS Geo-Linkages Working Group where he co-leads the Methods sub-working group. His dissertation examines the relationship between Medicaid managed long-term services and supports (MLTSS) programs and care experiences of older dual-enrollees. A highlight of the last year was being awarded the inaugural Judith Dellinger Kasper dissertation award for his proposal entitled, Variation in Characteristics and Outcomes Among Older Dual-Enrollees Living in Areas with Managed Long-term Services and Supports (MLTSS).

So Yeon Kang, MBA, MPH



Kang completed her PhD in health services research and policy in May, 2023. She successfully defended her dissertation titled "Factors Influencing the Diffusion of Value-based Health Care Delivery Systems." Her recent collaborative work with Center faculty members on prescription drug policy was published in JAMA Health Forum and JAMA Network Open. Additionally, she presented her research on health care spending and care delivery innovation at the AcademyHealth annual research meeting and the Academy of Management. Starting in July 2023, Dr. Kang will join Georgetown University as an Assistant Professor in the Department of Health Management and Policy, and she will also become a member of the Georgetown Lombardi Comprehensive Cancer Center.

Jeff Marr, BA



Marr is a second year PhD Health Economics and Policy PhD student in the Department of Health Policy and Management. He is broadly interested in financing, organization, and delivery of health care for Medicare beneficiaries. His current work focuses on the implications of the rapid rise of the Medicare Advantage over the last two decades. In ongoing work, he examines the impact of Medicare Advantage on access and quality of care, changes in Medicare supplemental coverage alongside Medicare Advantage enrollment growth, and spillovers of Medicare Advantage into other insurance markets. Over the past year, he has also focused on deepening his expertise in applied microeconomics through coursework in health economics, labor economics, and econometrics. His substantive and methodological interests overlap with those of faculty members in the Department of Health Policy and Management, particularly his doctoral advisors and primary co-mentors Dan Polsky and Joe Levy.

Mary Louise Pomeroy, PhD, MPH



Pomeroy is a postdoctoral fellow in the Health Services and Outcomes Research for Aging Populations T32, appointed to the School of Nursing. As a health services researcher specializing in social isolation and health care utilization among aging populations, her overarching research goal is to enable older adults with limited social support to age at home or in their communities for as long as possible. Previously, she coordinated hospital-based quality improvement projects to enhance care transitions to skilled nursing facilities and reduce avoidable hospitalizations among Medicare beneficiaries. As a T32 postdoctoral trainee, Pomeroy has been working with the Health and Retirement Study and the National Health and Aging Trends Study to examine the impact of social isolation on health care trajectories.

Danielle Powell, AuD, PhD



Powell is a postdoctoral fellow in Health Services Research and Policy in the Department of Health Policy and Management at the Bloomberg School of Public Health. Powell completed her Doctorate of Audiology in 2013 from the University of North Carolina- Chapel Hill. After working for several years as a clinical Audiologist, she pursued a PhD in the Department of Epidemiology at the Bloomberg School of Public Health. She was appointed to the Health Services and Outcomes Research for Aging Populations T32 as a postdoctoral fellow in June of 2021. Her research is at the intersection of hearing care, gerontology, dementia care, epidemiology, caregiving, health services, and consumer health information technology. Her training program mentor is Dr. Jennifer Wolff, working closely with affiliated faculty Dr. Esther Oh of the Division of Geriatric Medicine and Gerontology. In the last year, Dr. Powell has published 8 papers, with 2 of them as first author and one as senior author. She also was the senior author on a book chapter currently in press.

Jenni Seale Reiff, MS, OTR/L



Reiff is a third-year doctoral student and predoctoral trainee on the HSOR for Aging Populations T32 training program. She will use her doctoral training to design preventive healthcare initiatives that improve functional outcomes for older adults. Between 2022-2023, Ms. Reiff completed all required coursework for her PhD with a 4.0 GPA, passed her school-wide oral examination, and submitted an F31 training grant proposal to the National Institute on Aging for her dissertation project entitled “An Ounce of Prevention: Characterizing and Assessing ‘Prehabilitation’ for Lower Extremity Joint Replacement Among Medicare Fee-for-Service Beneficiaries”. Ms. Reiff has also continued her involvement in research projects this year, through which she published her first first-author publication and has other manuscripts currently under review.

Tiffany Riser, MSN, MPH, ANP-C



Riser is a second-year doctoral student in the Johns Hopkins University School of Nursing appointed to the HSOR for Aging Populations T32 training program. Riser spent several years as a practicing primary care and geriatric nurse practitioner in home, assisted living, and nursing long-term care settings before returning to the Johns Hopkins University School of Nursing in 2021 to pursue a PhD in Nursing. She has worked with academic advisor and Dean of the Johns Hopkins School of Nursing, Dr. Sarah Szanton, and her research team on a project exploring racial discrimination and resilience among older adults. She currently collaborates with the research team at Baltimore HEARS on a project addressing loneliness among hearing impaired, community-dwelling older adults.

Jamie M. Smith, PhD, RN



Smith is a postdoctoral fellow in the Health Services and Outcomes Research for Aging Populations T32, appointed to the School of Nursing. Her long-term goal is to develop a meaningful research program that informs equitable care delivery for older adults with complex needs to maintain their independence and quality of life. Her current work examines how structural and social determinants influence access and quality of health care for community-dwelling older adults. Smith's work draws on nearly two-decades as a registered nurse working in clinical care, policy, and education. Prior to the fellowship, Smith was an Assistant Professor at the Jefferson College of Nursing. In 2022, she was awarded the James B. Erdmann Award for Excellence in Interprofessional Education and Collaborative Practice at Thomas Jefferson University. She is active in professional associations including Sigma Theta Tau, Gerontological Society of America, and AcademyHealth where she serves as vice-chair of the Interdisciplinary Research Group on Nursing Issues (IRGNI) interest group.

Aleksandra Wec, BA



Wec is a rising third-year Health Services Research and Policy doctoral student in the Department of Health Policy and Management. In addition to completing her full-time coursework during the last academic year, Wec has been involved in several research projects which have allowed her to build knowledge about the use of Health Information Technology (HIT) to facilitate information exchange between older adults, their care partners, and healthcare providers and. She has worked with on two scoping reviews examining use of the patient portal and has been involved in work to develop a natural language processing algorithm to identify caregivers in patient portal messages. Wec has also been engaged in qualitative work examining direct care workers' role in information exchange as part of a larger care team and on a project to inform the design of an electronic deprescribing intervention for older adults with dementia. She is currently working on a content analysis of portal messages to identify concerns raised by patients with dementia and their care partners when messaging primary care providers following dementia diagnosis.



RESEARCH SUPPORT

The Center's portfolio of scholarly activities is supported by 3 streams of funding: 1.) the Roger C. Lipitz Center endowment, 2.) Departmental support of faculty teaching and service activities, and 3.) private foundation and governmental agency funding of investigator-initiated research studies. Our research portfolio encompasses four sets of activities as follows:

Domain #1: Sustain and enhance the National Health and Aging Trends Study and its linked National Study of Caregiving as a platform for research.

Domain #2: Conduct policy analyses of system change to support improved care delivery for persons with complex health needs and disabilities and their families.

Domain #3: Conduct economic analyses related to reform of financing services for people with complex care needs including Medicare and Medicaid reform, long-term care insurance, and provider payment incentives for integrated care.

Domain #4: Interventional research related to behavioral and systems-change improvements in care delivery and effects on outcomes that matter for individuals, families, and society.

The following text provides a list of research grants that were active or awarded in the reporting period that are led by core faculty and trainees, or for which core faculty are key personnel in a mentoring capacity. This list is ordered alphabetically by the last name of the study PI.

Title: Engaging and Integrating Direct Care Workers in Care Delivery for Persons Living with Dementia in the Community

Sponsor: National Institute on Aging IMPACT Collaboratory

Principal Investigator: Chanee Fabius

Date: 7/1/2021 - 6/30/2023

Objective: This career development award will support Dr. Fabius' long-term career goal to become an independent investigator conducting high-impact embedded pragmatic clinical trials (ePCTs) directed at testing policies and programs to better support direct care workers and improve care quality and quality among those receiving services, including persons living with dementia and their family caregivers.

Title: Improving Information Sharing Between Caregivers and Home Care Aides Caring for Persons Living with AD/DRD

Sponsor: National Institute on Aging

Date: 1/1/2023- 12/31/2027

Principal Investigator: Chanee Fabius

Objective: The goal of this K01 Career Development Award is to develop and refine a home care role and preference guide to improve information sharing between family caregivers of older adults living with AD/DRD and home care aides. The proposal will support the career development of Dr. Chanee Fabius who aims to conduct embedded pragmatic clinical trials (ePCTs) directed at testing interventions in real world settings to support the home care workforce and improve care quality and quality of life among older adults receiving services and their family caregivers.

Title: The Major Extremity Trauma and Rehabilitation Research Consortium (METRC III)

Sponsor: The Department of Defense

Principal Investigator: Ellen MacKenzie (Lisa Reider, Co-Investigator)

Date: 9/30/2016- 9/30/2022

Objective: The overall objective of the METRC Consortium is to produce the evidence needed to improve care and outcomes of major orthopaedic trauma along the treatment continuum, from acute care at the time of injury through recovery, rehabilitation and re-integration into the workforce and society.

Title: Plans, Providers, and Patients, Oh My! Differences in Use of Life-Saving Treatment for Opioid Use Disorder between Commercial Insurance and Medicaid

Sponsor: Hopkins Business of Health Initiative

Principal Investigators: Mark Meiselbach and Karen Shen

Date: 1/1/2022-12/31/2022

Objective: This initiative aims to understand drivers of disparities across payers in utilization of evidence-based treatment for opioid use disorder using an all-payer claims database from Wisconsin.

Title: Effect of Early Weight Bearing on Rehabilitation Outcomes in Patients with Unicondylar Proximal Tibia Fractures and Bimalleolar Ankle Fractures

Sponsor: Department of Defense

Principal Investigator: William Obrebsky (Lisa Reider METRC PI)

Dates: 10/1/2018-9/30/2022

Objective: The proposed study aims to compare the effects of early weight bearing versus delayed weight bearing for patients sustaining ankle and tibia plateau fractures.

Title: Hopkins' Economics of Alzheimer's Disease and Services (HEADS) Center

Sponsor: National Institute on Aging

Principal Investigator: Daniel Polsky & Jennifer Wolff (MPI)

Date: 7/1/2020-6/31/2025

Objective: The Hopkins' Economics of Alzheimer's Disease & Services (HEADS) Center builds the field of ADRD-related economics and health services research and its impact through training emerging and established investigators, developing research infrastructure, and forging linkages with policy and practice communities to disseminate new knowledge)

Title: The Impact of Home-based Care, Services, and Supports on Healthcare Utilization, Spending, and Care Trajectories for Socially Isolated Older Adults

Sponsor: Johns Hopkins School of Nursing Discovery & Innovation Grant

Principal Investigator: Mary Louise Pomeroy

Date: 4/2023 – 3/2024

Objective: This research will examine whether delivery of home-based care, services, and supports can reduce health care utilization, spending, and nursing home entry among community-dwelling older adults.

Title: Supporting the needs of care partners of persons with dementia and hearing loss

Sponsor: Alzheimer Association Research Fellowship Grant

Principal Investigator: Danielle Powell

Dates: 6/2023- 6/2025

Objective: This project aims to identify scalable strategies to improve identification and individualized care planning for individuals with Alzheimer's Disease and Related Dementias (ADRD) and hearing loss.

Title: Care partners and support of older adults with hearing loss and dementia.

Sponsor: Hopkins' Economics of Alzheimer's Disease & Services (HEADS) Center Pilot Grant, National Institute on Aging

Principal Investigator: Danielle Powell

Dates: 6/2022-6/2023

Objective: This proposal capitalizes on the NHATS/NSOC and claims data linkages through the HEADS Remote data enclave to understand the role of care partners in health care in the context of hearing loss and dementia.

Title: Health Care Service Utilization and Cost of Hip Fracture Care in Older Adults with Dementia

Sponsor: Hopkins' Economics of Alzheimer's Disease & Services (HEADS) Center Pilot Grant, National Institute on Aging

Principal Investigator: Lisa Reider

Dates: 7/1/2022-6/30/2023

Objective: The goal of this project is to compare health care service utilization and cost of hip fracture among older adults with versus without dementia and determine if dementia is predictive of higher cost independent of standard risk adjustment variables using the 20% Medicare fee for service sample.

Title: National Health and Aging Trends Study (NHATS)

Sponsor: National Institute on Aging

Principal Investigator: Jennifer Schrack & Vicki Freedman (Maureen Skehan, Research Associate)

Dates: 9/30/2008 - 3/31/2024

Objective: NHATS is a platform for scientific inquiry to guide efforts to reduce disability, maximize functioning, and enhance older adults' quality of life.

Title: Person-Reported and Health Care Utilization Outcomes of Home and Community Based Care Recipients with and Without Alzheimer's Disease and Its Related Dementias

Sponsor: National Institute on Aging

Principal Investigator: Tetyana Shippee and Eric Jutkowitz (Chanee Fabius, Co-investigator)

Date: 9/1/2020-8/31/2024

Objective: This project will document trends in HCBS used and/or desired by clients, determine client and state-level factors that promote person-reported HCBS outcomes, and determine the association between health plan-level HCBS person-reported quality and health care use for persons with and without AD/ADRD.

Title: A Phase 2a Multicenter Randomized Controlled Trial Evaluating the Safety and Efficacy of PolyEthylene Glycol (PEG) mediated fusion (PEG fusion) compared to standard of care in the repair of mixed motor-sensory acute peripheral nerve injuries (PNI) for rapid and immediate improvement in outcome

Sponsor: The Department of Defense

Principal Investigator: Jaimie Shores, MD(Lisa Reider, MCC PI)

Date: 10/1/2020- 9/30/2025

Objective: The overall objective of this multi-center randomized clinical trial is to determine the safety of PEG fusion when used with primary repair or reconstruction in patients with an acute upper extremity peripheral nerve injury and to examine the effect of PEG fusion recovery of sensory and motor function.

Title: The Mobility Toolkit: Electronically augmented assessment of functional recovery following lower-extremity trauma

Sponsor: The Department of Defense

Principal Investigator: Stephen Sims (Lisa Reider, METRC Co-PI)

Date: 10/1/2018-9/30/2022

Objective: The proposed study aims to validate the Mobility Toolkit for use in research and clinical settings to measure and quantify the recovery process following lower extremity injury. The Toolkit has the potential to be a powerful tool in assessing and improving outcomes following these traumatic injuries.

Title: Rehabilitation Enhanced Partial Arterial Inflow Restriction Study (REPAIR)

Sponsor: The Department of Defense

Principal Investigator: Daniel Stinner (Lisa Reider, METRC Co-PI)

Date: 9/30/2015-9/30/2023

Objective: This is a multi-center randomized controlled trial to test the effectiveness of physical therapy using blood flow restriction compared to usual physical therapy alone after definitive treatment for closed diaphyseal femur fractures.

Title: Impact of Nutrition Status on Clinically Relevant Outcomes after Femoral Fragility Fractures

Sponsor: The Orthopaedic Trauma Association

Principal Investigator: Michael Willey, MD (Lisa Reider, Co-Investigator)

Date: 1/1/2021- 12/31/2022

Objective: The goal of this project is to characterize nutritional deficiencies among older adults with femoral fractures using validated dietary assessment tools and examine the association of nutritional deficiency with clinically relevant outcomes including loss of lean muscle mass and physical function. Results will be used to design a randomized controlled trial of nutritional supplementation.

Title: Consumer Health Information Technology to Engage and Support ADRD Caregivers: Research Program to Address ADRD Implementation Milestone 13.I

Sponsor: NIA

Principal Investigator: Jennifer Wolff (Chanee Fabius, Co-investigator)

Date: 7/15/2021-06/30/2026

Objective: This application builds a program of health services research at Johns Hopkins University to address Alzheimer's Disease and Related Dementias Implementation Milestone 13.I to support research on technology-based dementia assessment, care, and management.

Title: Engaging Family Caregivers through Shared Access to the Electronic Health Record

Sponsor: John A. Hartford Foundation

Multi-Principal Investigator: Jennifer Wolff & Cait DesRoches of Harvard BIDMC

Date: 7/1/2021-6/30/2024

Objective: This project implements a demonstration in three health systems to increase the uptake and use of shared electronic health record access by family caregivers of older adults, evaluate its effects and disseminate best practices to promote national adoption.

Title: Health Services and Outcomes Research for Aging Populations (T32 AG066576)

Sponsor: National Institute on Aging

Multi-Principal Investigator: Jennifer Wolff & Cynthia Boyd

Date: 7/1/2020- 6/31/2025

Objective: We propose an innovative, interdisciplinary training program to produce the next generation of researchers with robust training in person and family-centered health services and outcomes research, all applied to geriatrics and gerontology.

Title: Involving Family to Improve Advance Care Planning for Primary Care Patients with ADRD

Sponsor: National Institute on Aging

Principal Investigator: Jennifer Wolff

Date: 7/29/19 - 3/31/24

Objective: This study will refine and test the effectiveness of an advance care planning and communication intervention for high-risk older adults with ADRD.

Title: Pragmatic Trial to Improve Communication for Primary Care Patients with ADRD

Sponsor: National Institute on Aging

Multi-Principal Investigator: Jennifer Wolff & Sydney M. Dy

Date: 9/01/2018-8/31/2023

Objective: This study will refine and test the effectiveness of an advance care planning intervention for older adults with ADRD through proactive engagement of families in primary care.

Title: Trends and Dynamics in Caregiving for Alzheimer's Disease and Related Dementias: Extending the National Study of Caregiving

Sponsor: National Institute on Aging

Multi-Principal Investigator: Jennifer Wolff & Vicki Freedman (Maureen Skehan, Research Associate)

Dates: 6/15/2019-6/14/2024

Objective: This project will collect and disseminate new longitudinal national data to enhance understanding of informal caregiving to older adults with ADRD. The study will also provide new knowledge of how informal ADRD caregivers' experiences and outcomes are changing over recent (2011-2020) and longer-term (1999-2020) time periods.

PEER-REVIEWED RESEARCH

The following peer-reviewed publications are authored by Center faculty, trainees, and doctoral students. Papers marked with a "*" were led by a Center trainee or doctoral student. This list is ordered alphabetically by the last name of the researcher.

Armstrong NM, Vieira Ligo Teixeira C, Gendron C, Brenowitz WD, Lin FR, Swenor B, Powell DS, Deal JA, Simonsick EM, Jones RN. Associations of dual sensory impairment with long-term depressive and anxiety symptoms in the United States. *J Affect Disord*. 2022 Nov 15;317:114-122.

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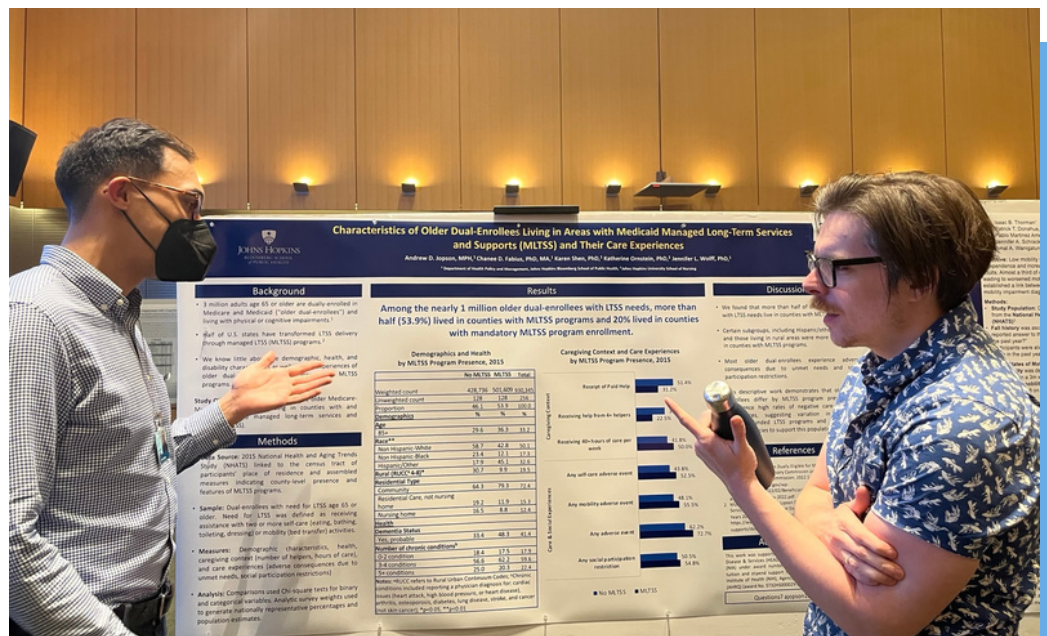
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EDUCATIONAL ACTIVITIES

The Center is committed to educating and supporting the next generation of leaders. Center faculty lead the Johns Hopkins University Certificate in Gerontology (Wolff), direct Health Services Research and Policy (Anderson) and the MHS in Health Economics (Ballreich), teach Economic Evaluation (Ballreich; Drabo), about the U.S. Healthcare system (Polsky, Socal) and pharmaceutical policy (Socal), and support core MPH courses (Anderson) and doctoral curriculum (Reider). Additionally, faculty are engaged in mentoring a wide range of trainees, including masters and doctoral students, post-doctoral fellows, and junior faculty who are supported on federally-funded career development awards. Center Director, Jennifer Wolff and Cynthia Boyd, Division Director of Geriatric Medicine and Gerontology in the University's School of Medicine lead a new Cross-School T32 training program funded by the National Institute on Aging that seeks to produce the next generation of scientists with rigorous training in person and family-centered health services and outcomes research with a focus on older adults.

Courses Taught by Center Faculty in the Department of Health Policy and Management at the Johns Hopkins Bloomberg School of Public Health include:

Term 1: August 2022

313.601.01 Economic Evaluation I (3 credits) -Jeromie Ballreich

313.601.81 Economic Evaluation I (3 credits) -Jeromie Ballreich

Graduate Seminar in Health Services Research and Policy (1 credit) – Jennifer Wolff

309.871.01 Health Services and Outcomes for Aging Populations Practicum I (0.5 credits) – Mariah Robertson and Cynthia Boyd

Term 2: October 2022

300.870.01 The Research and Proposal Writing Process I (2 credits) - Lisa Reider

309.605.01 Health Issues for Aging Populations (3 credits) – Chanee Fabius
313.601.81 Economic Evaluation I (3 credits) – Jeromie Ballreich

309.861.01 Graduate Seminar in Health Services Research and Policy (1 credit) – Jennifer Wolff

309.872.01 Health Services and Outcomes for Aging Populations Practicum II (0.5 credits) – Mariah Robertson and Cynthia Boyd

Term 3: January 2023

309.861.01 Graduate Seminar in Health Services Research and Policy (1 credit) – Jennifer Wolff

309.873.01 Health Services and Outcomes for Aging Populations Practicum III (0.5 credits) – Mariah Robertson and Cynthia Boyd

Term 4: March 2023

313.790.81 Introduction to Economic Evaluation (3 credits) - Jeromie Ballreich

313.865.01 MHS Capstone in Health Economics (2 credits) - Jeromie Ballreich

300.871.01 The Research and Proposal Writing Process II (2 credits)- Lisa Reider

309.861.01 Graduate Seminar in Health Services Research and Policy (1 credit) – Jennifer Wolff

309.874.01 Health Services and Outcomes for Aging Populations Practicum IV (0.5 credits) – Mariah Robertson and Cynthia Boyd



T32 TRAINING PROGRAM IN HEALTH SERVICES AND OUTCOMES RESEARCH FOR AGING POPULATIONS

The Health Services and Outcomes Research for Aging Populations T32 Training Program at Johns Hopkins University seeks to produce the next generation of scientists with rigorous training in person and family-centered health services and outcomes research with a focus on older adults and is led by co-directors Cynthia Boyd, MD, MPH and Jennifer Wolff, PhD. This Cross-School program, housed in the Roger C. Lipitz Center for Integrated Health Care, draws on the rich resources for research in health services, health economics, gerontology, nursing, health informatics, and geriatrics across the Johns Hopkins University, including the Bloomberg School of Public Health, School of Medicine, and School of Nursing.

Trainees appointed to the program in the 2022 - 2023 academic year:

Post-Doctoral

April Ehrlich, MD
Mary Louise Pomeroy, PhD, MPH
Danielle Powell, AuD, PhD
Jamie Smith, PhD, RN

Pre-Doctoral

Jeffrey Marr, BA
Tiffany Riser, MSN, MPH, ANP-C
Jenni Seale Reiff, MS, OTR/L
Aleksandra Wec, BA

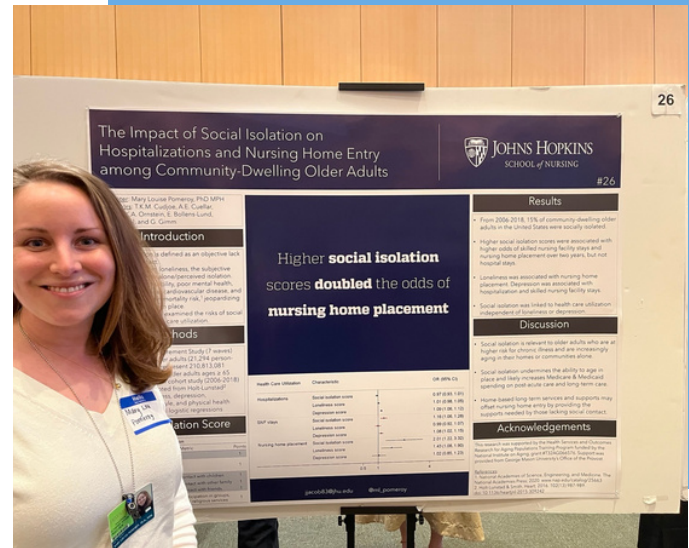
"I am very thankful for how many people are willing to invest time in us trainees. The positive spirit of mentorship on the T32 is very lovely and welcoming."

Feedback from the Program's Annual Trainee Survey



Seminar

Former T32 postdoctoral trainee Dr. Julia Burgdorf leads the bi-weekly seminar that convenes trainees and core program faculty to discuss professional development topics including manuscript writing techniques, authorship considerations, presentation skills, grant preparation, job search strategies, and trainee-led research in progress presentations. Trainees appreciated both the diversity of practical topics and the seminar's "dedicated time to interact and get to build relationships with colleagues."



"The practical topics covered (how to be a first author, what to consider for grant applications) were excellent. Julia is such a wonderful facilitator of the sessions - they are well planned and detailed."

Practicum

The practicum experience aims to provide trainees with exposure to "real world" clinical, financing and organizational aspects of health services and outcomes in the care of older adults with an emphasis on key elements of person- and family-oriented care. Dr. Mariah Robertson, Assistant Professor in the Division of Geriatric Medicine and Gerontology, serves as primary instructor. Core and affiliated faculty members of the training program are heavily involved in leading sessions. The four modules include home-based care, continuum of care, interdisciplinary care, and long-term services and supports. Each module throughout the year includes onsite and clinical experience in each care setting. Trainees who took the practicum course this year confirmed the hands-on experience and opportunities for reflection and discussion were valuable to their overall training experience. Outstanding course evaluations earned Dr. Robertson and the course an Excellence in Teaching recognition from the Bloomberg School.

"The shadowing experiences provided great context and insights into a lot of the programs and issues we think about in our research. The speakers at the didactic sessions were excellent and I really appreciated having them for an hour to answer questions."

"The practicum has been one of the highlights at Hopkins. Mariah does an excellent job. I learned a ton from the site visits as a non-clinician."

Notable Accomplishments from Current and Former Trainees

Dr. Powell will complete her postdoctoral training in July, 2023 and has accepted an offer as Assistant Professor at the University of Maryland Division of Speech and Hearing Sciences. Her postdoctoral work led to a 2-year Alzheimer's Association Research Fellowship Grant to identify scalable strategies improve identification and individualized care planning for individuals with Alzheimer's Disease and Related Dementias and hearing loss.

Four pre-doctoral trainees (**Jeff Marr, Jenni Reiff, Tiffany Riser,** and former trainee **Mani Keita**) have published their first first-author papers! **Aleks Wec**, another predoctoral trainee, has co-authored two publications, with three manuscripts under review.

Dr. DeGroot, former pre-doctoral trainee, will start a T32 postdoctoral fellowship at the University of Colorado in August, 2023.

Dr. Julia Burgdorf, former postdoctoral fellow, received three awards: a K01 award to create an intervention to assess and support dementia caregivers in the context of home health care; an R03 award to examine caregiver roles and training needs during home health; and an award from the Alzheimer's Association to characterize use of home-based services among older adults with dementia dually enrolled in both Medicare and Medicaid.

Dr. Safiyah Okoye, former postdoctoral fellow, received a perfect score on her K01 application entitled, "Addressing Housing Disrepair to Improve Equity in Functional Disability and Caregiver Burden."



"I hope to continue being a part of this accomplished group of researchers, clinicians and trainees focused on improving health services for older populations."

Feedback from the Program's
Annual Trainee Survey



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