Dissemination and Implementation in Embedded Pragmatic Trials: Getting the Timing Right in Real-World Research

17th Annual Conference on the Science of Dissemination and Implementation in Health
Co-hosted by AcademyHealth and National Institutes of Health
"Moving Fast and Slow: Optimizing the Pace of Implementation"

"Crystal Gateway Marriott, Arlington
December 8, 2024

Speaker Biographies

Hayden B. Bosworth, PhD
Duke University School of Medicine
hayden.bosworth@duke.edu

Hayden B. Bosworth, PhD, is a health services researcher and implementation scientist. He is currently a professor of population health sciences, medicine, psychiatry, and nursing at Duke University and the vice chair of research in the Department of Population Health Sciences. He is also the deputy director of the Center of Innovation to Accelerate Discovery and Practice Transformation (ADAPT) (COIN) at the Durham Veterans Affairs Medical Center and adjunct professor in the Department of Health Policy and Administration in the Gillings School of Global Public Health at the University of North Carolina at Chapel Hill. His research interests comprise 3 overarching areas of research: 1) conducting clinical research that improves chronic disease self-management care; 2) implementing research to improve access to quality of care; and 3) eliminating health care disparities. Dr. Bosworth has expertise in developing and implementing scalable/sustainable interventions to improve health behaviors and reduce the burden of chronic diseases. These trials/programs focus on motivating individuals to initiate health behaviors and sustain them long term. He also has ample experience in conducting observational studies examining healthcare use and predictors of medication nonadherence. Current examples of his work include a multisite trial evaluating a nurse-administered intervention to extend the HIV treatment cascade for cardiovascular disease prevention (EXTRA-CVD) and a similar study being conducted in the VA (VA-EXTRA-CVD).

Dr. Bosworth is the recipient of numerous awards, including an American Heart Association Established Investigator award, a VA Senior Career Scientist Award, and the Under-Secretary's Award for Outstanding Achievement in Health Services Research. He has been the principal investigator of over 30 trials resulting in over 450 peer-reviewed publications and 4 books. His work has been implemented in Medicaid of North Carolina, the UK National Health System, Kaiser Permanente, the Veterans Health Administration, as well as by a number of health care payers such as Humana.

In addition to his research experience, mentoring is an area to which he has devoted significant effort. He has mentored over 140 graduate students, postdoctoral fellows, and junior faculty, including 28 career development awardees over the last 10 years. In addition, he is the principal investigator of a K12 National Heart, Lung, and Blood Institute–funded grant to train faculty in dissemination and implementation.

Devon Check, PhD
Duke University School of Medicine
devon.check@duke.edu

Devon Check, PhD, is a health services and implementation researcher. She is an Assistant Professor in the Department of Population Health Sciences at Duke and a member of the Duke Cancer Institute. Her primary research interests are quality of care and implementation of evidence-based practices in oncology. Dr. Check's work combines quantitative and qualitative methods to understand and address barriers to the delivery of high-quality, equitable care during and after cancer treatment. Dr. Check also has methodological expertise in implementation science, including hybrid effectiveness-implementation trial design. She co-leads the Implementation Science Core Working Group as part of the Coordinating Center for the NIH Pragmatic Trials Collaboratory.

Andrea Cheville, MD, MS
Mayo Clinic
Cheville.Andrea@mayo.edu

Dr. Andrea Cheville is a Professor of Physical Medicine and Rehabilitation and is the medical director for the Patient-Centered Outcomes Program in the Robert D. and Patricia E. Kern Center for the Science of Health Care Delivery at Mayo Clinic in Rochester, MN. She is a former Chair of the Department of Physical Medicine and Rehabilitation at Mayo Clinic, Rochester, MN. She received her MD degree from Harvard Medical School in 1993 and her Master of Science in Clinical Epidemiology degree from the University of Pennsylvania in 2006. She is board-certified in Physical Medicine and Rehabilitation, Pain Medicine, and Palliative Care. She has received funding from the National Institutes of Health, National Cancer Institute, and the U.S. Department of Defense. She was elected to the National Institute of Medicine in October 2016. Her areas of clinical and research interest are lymphedema and cancer rehabilitation, palliative medicine, and patient-reported outcomes. She has over 200 articles published in peer-reviewed journals.

Julie Fritz, PhD, PT
University of Utah
Julie.fritz@utah.edu

Julie Fritz, PhD, PT, is a distinguished professor in the Department of Physical Therapy and Athletic Training and the associate dean for research in the College of Health at the University of Utah located in Salt Lake City. Her research has focused on examining nonpharmacologic treatments for individuals with spinal pain, including clinical trials and health services research. Currently, Dr. Fritz is leading projects funded by PCORI and the NIH including projects funded under the NIH HEAL Initiative addressing pain management and opioid use. She also leads a trial within the NIH-VA-DoD Pain Management Collaboratory investigating nonpharmacologic pain management in the Military Health System.

Michael Ho, MD
Kaiser Permanente Colorado
p.michael.x-ho@kp.org

P. Michael Ho, MD, PhD, is the Medical Director of Innovative Methods Promoting Operational Value and Efficiency (IMPROVE) and a Senior Clinician Investigator at the Institute for Health Research. His research focuses on finding ways to optimize delivery of safe, effective, patient-centered, timely, efficient, and equitable care.

Dr. Ho received his medical training at the Tulane School of Medicine in New Orleans, Louisiana and completed an internship, residency, and Cardiology Fellowship at the University of Colorado School of Medicine. He also received a PhD in Clinical Science from the University of Colorado Health Sciences Center. His research teams are working to leveraging mHealth technologies to engage patients in self-management and improve cardiovascular risk factors such as high blood pressure, diabetes and high cholesterol as well as medication adherence. Dr. Ho also serves as the medical director for the IMPROVE Program at Kaiser Permanente Colorado.

Dr. Ho is a practicing clinical physician in Cardiology with the Colorado Permanente Medical Group at Kaiser Permanente Colorado. He is also a Professor of Medicine at the University of Colorado School of Medicine in the Division of Cardiology. Dr. Ho is the deputy editor of the journal Circulation Cardiovascular Quality and Outcomes, an active Endorsement and Maintenance (E&M) committee member of the Partnership for Quality Measurement and fellow at the American College of Cardiology and the American Heart Association.

Beda Jean-Francois, PhD
National Center for Complementary and Integrative Health (NCCIH)
beda.jean-francois@nih.gov

Beda Jean-Francois, PhD, is a program director in the Clinical Research Branch in the Division of Extramural Research of the NCCIH. She oversees a portfolio of clinical research, including health disparities, pediatric research on mental and emotional well-being, maternal morbidity and mortality, and pragmatic clinical trials. Additionally, she contributes to the Mental, Emotional, and Behavioral (MEB) initiatives as well as the NIH Pragmatic Trials Collaboratory, the NIH HEAL Initiative, and the Pragmatic and Implementation Studies for the Management of Pain to Reduce Opioid Prescribing (PRISM) program.

Dr. Jean-Francois is especially passionate about reducing children's health disparities. Other research interests include life-course perspective on health and disease, behavioral health prevention services, health information technology, reproductive health equity, and childhood obesity. Before joining NCCIH, Dr. Jean-Francois served as an NIH health scientist administrator at the National Institute on Minority Health and Health Disparities (NIMHD) since 2017. While at NIMHD, she served as a co-lead for the data coordinating center for the trans-NIH Rapid Acceleration of Diagnostics for Underserved Populations (RADxUP), which is a consortium of more than 85 multidisciplinary grantees working to target disparities in COVID-19 morbidity and mortality. She developed multiple funding opportunities, including Effectiveness of School-Based Health Centers to Advance Health Equity, Addressing Racial Disparities in Maternal Mortality and Morbidity, and Leveraging Health Information Technology to Address Health Disparities. Additionally, she served as project scientist for Center of Excellence research grants to promote research in health disparities and the training of a diverse scientific workforce.

Stephanie Morain, PhD, MPH
Johns Hopkins University
smorain1@jhu.edu

Stephanie Morain, PhD, is a core faculty member at the Berman Institute of Bioethics, and an associate professor in the Department of Health Policy and Management at the Bloomberg School of Public Health. She conducts both empirical and normative research into issues at the intersection of ethics, law, and health policy. Dr. Morain's work examines political and ethical issues concerning the scope of government authority in public health and the role of stakeholder opinion in shaping decision-making in public health policy. Specific research interests include the ethics and politics of disease control and injury prevention; public health law; and ethical and policy challenges presented by the transition to learning health care systems. She was most recently an assistant professor in the Center for Medical Ethics and Health Policy at Baylor College of Medicine.

A former Hecht-Levi Postdoctoral Fellow at the Berman Institute, Dr. Morain received her BA from Lafayette College with a dual major in Biology and History, Government, & Law, her MPH from Columbia University's Mailman School of Public Health, and her PhD from Harvard University's Interfaculty Initiative in Health Policy.

Jonathan Moyer, PhD
NIH Office of Disease Prevention
jonathan.moyer@nih.gov

Jonathan Moyer, PhD, is a statistician with the NIH Office of Disease Prevention and focuses on efforts to enhance the rigor and reproducibility of NIH-funded prevention research by promoting the use of the best available research methods. This includes expanding the resources available on NIH's Research Methods Resources website, providing guidance on the Methods: Mind the Gap Webinar Series, and collaborating with NIH Institutes and Centers on projects that require group randomization or delivery of interventions to groups.

Emily O'Brien, PhD
Duke University School of Medicine
emily.obrien@duke.edu

Emily O'Brien, PhD, is an associate professor in the Departments of Population Health Sciences in the Duke University School of Medicine. An epidemiologist by training, Dr. O'Brien's research focuses on comparative effectiveness, patient-centered outcomes, and pragmatic health services research in chronic disease. Dr. O'Brien's expertise is in systematic assessment of medical therapies in real-world settings, including long-term safety and effectiveness assessment. She is the principal investigator for projects focusing on the linkage and use of secondary data, including administrative claims, clinical registries, and electronic health record data. Dr. O'Brien is the principal investigator for the HERO Registry, a national study of the impact of COVID-19 on healthcare workers in the US. She is an affiliated faculty member in the Duke Clinical Research Institute and the Duke Margolis Center for Health Policy, a fellow of the American Heart Association, and an editorial board member for *Stroke* and the *American Heart Journal*.

Sebastian Tong, MD, MPH
University of Washington
setong@uw.edu

Sebastian Tong is a practicing family physician and addiction medicine specialist. He is an Assistant Professor of Family Medicine at the University of Washington in Seattle where he also serves as the Associate Director of the Washington, Wyoming, Alaska, Montana and Idaho region Practice and Research Network. He practices outpatient family medicine and addiction medicine at the Harborview Family Medicine Clinic. He conducts research in practice-based research, substance use, loneliness, and chronic pain, and has received funding from the National Institute on Drug Abuse, the National Institute of Nursing Research and the Agency for Healthcare Research and Quality. He is one of the National Academy of Medicine's 2023-2025 James C. Puffer/American Board of Family Medicine Fellows. He completed medical school at Boston University School of Medicine, received a Master of Public Health from the Harvard School of Public Health, and finished his residency training in family medicine at the Greater Lawrence Family Health Center.

Angelo Volandes, MD, MPH
Harvard Medical School
Massachusetts General Hospital
angelo@acpdecisions.org

Angelo Volandes, MD, MPH, is a physician, researcher, filmmaker, and author. He is an associate professor at Harvard Medical School and Massachusetts General Hospital, and co-founder of ACP Decisions Nonprofit Foundation. He is an internationally recognized expert on the use of video decision support tools, decision science, and ethics. He leads an internationally recognized group of innovators and video artists who create video support tools to better inform patients about their options for medical care.

His work has been funded by the National Institute on Aging, the National Cancer Institute, the National Institute of Nursing Research, the National Heart, Lung, and Blood Institute, the NIH Common Fund, the Agency for Healthcare Research and Quality, the Alzheimer's Foundation, and the Gordon and Betty Moore Foundation, among others.

Dr. Volandes's work has been featured in major publications and national media and he is the author of *The Conversation: A Revolutionary Plan for End-of-Life Care*. He lectures widely around the country.

Born and raised in Brooklyn, New York, he is a proud product of the New York City public school system. He went on to receive his undergraduate degree in philosophy from Harvard, a medical degree from Yale, and a master's degree in public health from Harvard. In 2005, he was named the Edmond J. Safra Fellow at the Harvard University Center for Ethics.