NIH PRAGMATIC TRIALS COLLABORATORY
Rethinking Clinical Trials®

Dissemination and Implementation in Embedded Pragmatic Trials: Tools and Strategies for Enhancing Public Health Impact

19th Annual Conference on the Science of Dissemination and Implementation in Health
"Elevating the Science of Dissemination: Leveraging Tools to Improve Clinical, Community, and Public Health Practice"

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Speaker Biographies



Hayden B. Bosworth, PhD
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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. 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). He is the recipient of a new grant, The Pharmacists for Prevention (P4P) project, funded through the NIH RFA-MH-25-185 mechanism, aims to integrate HIV prevention and implementation science training into pharmacy school curricula across minority-serving institutions in the South to expand access to PrEP and related services.

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 500 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 170 graduate students, postdoctoral fellows, and junior faculty, including 40 career development awardees over the last 10 years. In addition, he was the principal investigator of a K12 National Heart, Lung, and Blood Institute–funded grant to train faculty in dissemination and implementation.



Devon Check, PhD
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Devon Check, PhD, is an Associate Professor of Learning Health Sciences in the University of Michigan (U of M) Medical School. She is also a faculty member of the Rogel Cancer Center and Institute for Healthcare Policy and Innovation at U of M. Dr. Check is a cancer health services and implementation researcher by training. She received her PhD in Health Policy and Management from the University of North Carolina at Chapel Hill and completed her post-doctoral training in cancer care delivery research at Kaiser Permanente Northern California. Dr. Check's primary research interests include quality of care and the implementation of evidence-based and guideline-recommended practices in oncology. Her projects use large secondary data analysis as well as qualitative and mixed methods to investigate variation in cancer care, the experiences of patients and clinicians, and factors that impact cancer care delivery and outcomes. As a Co-Investigator, Dr. Check often provides implementation research methods expertise on hybrid effectiveness-implementation trials of cancer-related interventions. Moreover, she co-leads the Implementation Science Core Working Group as part of the Coordinating Center for the NIH Pragmatic Trials Collaboratory.



Julie Fritz, PhD, PT
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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
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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 IMPROVE which is the learning health system 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 an adjoined Professor of Medicine at the University of Colorado School of Medicine in the Division of Cardiology.



Beda Jean-Francois, PhD
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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
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Stephanie Morain, PhD, MPH is the Dracopoulos Rising Professor of Bioethics in the Berman Institute of Bioethics at Johns Hopkins and Vice Chair for Research 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 clinical research, public health, 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. Dr. Morain's work focuses on two key areas: ethical and practical challenges presented by the integration of research and care, such as occurs in pragmatic clinical trials and in comparative effectiveness research, and issues related to women's reproductive health. Dr. Morain is the Co-Chair of the Ethics & Regulatory Core for the NIH Pragmatic Trials Collaboratory, and Executive Committee Member of the Ethics & Regulation Core for the NIA IMPACT Collaboratory.



Lanay Mudd, PhD
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Lanay M. Mudd, Ph.D., is acting branch chief for the Clinical Research in Complementary and Integrative Health Branch in the Division of Extramural Research at the National Center for Complementary and Integrative Health (NCCIH). She joined NCCIH as a program director in 2015. The clinical branch portfolio includes early-phase testing and feasibility testing of complementary and integrative health approaches for a variety of health outcomes and populations, through full-scale efficacy, effectiveness, or pragmatic trials when the evidence base is sufficient to justify the trials. The branch also oversees health services research, epidemiologic studies, and dissemination and implementation studies on complementary and integrative health approaches.

At NCCIH, Dr. Mudd oversees a grant portfolio of clinical trials; studies of movement meditation, including yoga, tai chi, and qi gong; research on health promotion, disease prevention, and resilience; and studies of remotely delivered or mHealth interventions. Dr. Mudd's interests include the use of mind and body interventions for perinatal health conditions, mental health conditions, and promoting healthy behaviors.

Dr. Mudd earned a dual-major doctoral degree in kinesiology and epidemiology and completed postdoctoral training in perinatal epidemiology at Michigan State University. Prior to joining NCCIH, she was an assistant professor of kinesiology at Michigan State University, where her research investigated the health benefits of physical activity during pregnancy and the development of interventions to improve health behaviors among pregnant women. She has published in a variety of peer reviewed journals, including *Medicine & Science in Sports & Exercise, Pediatrics, Journal of Physical Activity & Health,* and *Preventive Medicine*. Dr. Mudd is a fellow of the American College of Sports Medicine.



Emily O'Brien, PhD
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Dr. Emily O'Brien is Associate Professor in Population Health Sciences, Associate Professor in Neurology, Core Faculty Member at Duke-Margolis Center for Health Policy, and Co-Director of Population Health Sciences at the Duke Clinical Research Institute. Her research focuses on comparative effectiveness, patient-centered outcomes, and pragmatic health systems research in cardiovascular and pulmonary disease. Her areas of expertise include: Epidemiology, Pragmatic Clinical Trials, and Clinical Decision Sciences. Dr. O'Brien received her PhD in Epidemiology from the University of North Carolina in Chapel Hill. As principal investigator for projects funded by the FDA, NIH, and PCORI, she has extensive experience working with diverse data sources including registries, epidemiologic cohorts, electronic health records, and administrative claims data. Dr. O'Brien teaches Analytic Methods in the Department of Population Health Sciences PhD program and has co-authored over 200 manuscripts in peer-reviewed journals on topics ranging from epidemiologic methods, comparative effectiveness, and pragmatic clinical trials. She is a deputy editor for Circulation: Population Health and Outcomes, Chair of the AHA QCOR Scientific & Clinical Education Lifelong Learning Committee, social media editor for the Journal of the American Heart Association, and a fellow of the American Heart Association.



Amanda Petrik, PhD
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Amanda Petrik, PhD, is a health services researcher with extensive training in social and health systems and policy. Dr. Petrik has more than 25 years of experience conducting research and over a decade implementing and evaluating cancer prevention programs in diverse practice settings, including in community clinics. Her research now focuses on Learning Health Systems, cancer prevention, and the use of predictive analytics in cancer prevention.

Dr. Petrik joined CHR in 2001. In 2021, she earned her PhD in health systems and policy from the OHSU-PSU School of Public Health in Portland. Dr. Petrik currently works on projects implementing a multilevel intervention to increase awareness of human papillomavirus (HPV) vaccination in school-based health centers (PEER, R01 NIMHD), increasing HPV vaccination in rural communities (PREVENT, R01, NCI), and implementing a self-collected cervical cancer screening program (STEP-2, UH3 NCI). She also leads work in patient engagement, and implementation projects focused on screening for chronic kidney disease.



Elizabeth Turner, PhD
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Liz Turner, PhD is an Associate Professor of Biostatistics and Global Health at Duke University, where she has led the Research Design and Analysis Core at the Duke Global Health Institute since 2012. She has also served as Co-Chair of the Biostatistics and Study Design Core of the NIH Pragmatic Trials Collaboratory since 2019. Motivated by her experience working on more than 25 pragmatic trials, her methodological research focuses on the design and analysis of trials with outcome clustering. This includes cluster randomized trials (CRTs), individually randomized group treatment (IRGT) trials and stepped wedge trials. Her substantive focus is on the evaluation of behavioral interventions, primarily for mental health conditions, cardiovascular disease and child health.