

# Diagnostics and Disease Management Tools for Use in Underserved Populations: An NHLBI Research & Implementation Workshop | NIH | April 14-15, 2021

## Final Agenda as of April 5, 2021

Day 1	April 14, 2021
10:00–10:10 a.m.	<b>Welcome</b> Gary H. Gibbons, M.D., Director, National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH)
10:10–10:15 a.m.	<b>Workshop Introduction</b> W. Keith Hoots, M.D., Director, Division of Blood Diseases and Resources (DBDR), NHLBI, NIH
10:15–10:20 a.m.	<b>Goals and Objectives</b> Asif Rizwan, Ph.D., Program Director, DBDR, NHLBI, NIH
10:20–10:50 a.m.	<b>Keynote: Improving Health Outcomes for All Communities: Accelerating Innovation to Implementation</b> Nakela L. Cook, M.D., M.P.H., Executive Director, Patient-Centered Outcomes Research Institute
<b>Session I: Blood</b>	<i>Chair: Wilbur Lam, M.D., Ph.D., Associate Professor, Emory University</i>
10:50–11:10 a.m.	<b>Developing Point-of-Care and Patient-Operated Anemia Detection Technologies for Global Health and Back to the U.S.</b> Wilbur Lam, M.D., Ph.D., Associate Professor, Emory University
11:10–11:30 a.m.	<b>The COVID-19 Revival of Telemedicine</b> Betty S. Pace, M.D., Director of the Pediatric Sickle Cell Program, Augusta University
11:30–11:50 a.m.	<b>History of Disparities in Thrombotic Outcomes</b> Jean Marie Connors, M.D., Associate Professor, Harvard Medical School, Brigham and Women's Hospital
11:50 a.m.–12:10 p.m.	<b>Case Study: Efficient Translation of Point-of-Care Diagnostic Technologies for Underserved Populations</b> Umut Gurkan, Ph.D., Associate Professor, Case Western Reserve University
12:10–12:40 p.m.	Lunch Break
<b>Session II: Lung and Sleep</b>	<i>Chair: Meredith McCormack, M.D., M.H.S., Medical Director, Pulmonary Function Laboratory, and Associate Professor of Medicine, Johns Hopkins University</i>
12:40–1:00 p.m.	<b>Advancements in the Portable Monitoring of Sleep: Relevance for Studies of Underserved Populations</b> Naresh Punjabi, M.D., Ph.D., Chief, Division of Pulmonary, Allergy, Critical Care, and Sleep Medicine, University of Miami
1:00–1:20 p.m.	<b>Asthma Disparities and Technology: Innovation Needed</b> Tyra Bryant-Stephens, M.D., Medical Director, Community Asthma Prevention Program, Children's Hospital of Philadelphia
1:20–1:40 p.m.	<b>Bridging Gaps to Improve COPD Care: Using Technology to Reach Underserved and Remote Communities</b> Meredith McCormack, M.D., M.H.S., Medical Director, Pulmonary Function Laboratory, and Associate Professor of Medicine, Johns Hopkins University
1:40–2:00 p.m.	<b>Case Study: COPD Management of Underserved Populations in the Time of COVID-19</b> M. Bradley Drummond, M.D., M.H.S., Associate Professor of Medicine, Division of Pulmonary Diseases and Critical Care Medicine, and Director, Obstructive Lung Diseases Clinical and Translational Research Center, University of North Carolina at Chapel Hill
<b>Session III: Heart</b>	<i>Chair: David McManus, M.D., Chair and Professor, University of Massachusetts Medical School</i>
2:00–2:20 p.m.	<b>Technology, Community, and Equity: Considerations for Collecting Social Determinants Data</b> Mahasin Mujahid, Ph.D., M.S., FAHA, Associate Professor, University of California, Berkeley
2:20–2:40 p.m.	<b>Technology for Patients from Underrepresented Groups with Hypertension: Is It Adequate?</b> Jeroan Allison, M.D., M.S., Chair and Professor, University of Massachusetts Medical School

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2:40–3:00 p.m.	<b>Digital Education Tools for Diabetes and Cardiometabolic Disease in Under-Resourced Populations</b> Athena Philis-Tsimikas, M.D., Director, Community Engagement, Scripps Research Translational Institute, and Corporate Vice President, Scripps Whittier Diabetes Institute Scripps Research
3:00–3:20 p.m.	<b>Case Study: Rural Community Needs and Challenges</b> Shauntice Allen, Ph.D., M.A., Assistant Professor, University of Alabama at Birmingham
3:20–4:20 p.m.	<b>Open Microphone Panel Discussion</b> <i>Moderators:</i> <ul style="list-style-type: none"> <li>• Jue Chen, Ph.D., Program Director, Division of Cardiovascular Sciences, NHLBI, NIH</li> <li>• Louis Vuga, M.D., M.P.H., Ph.D., Program Director, Division of Lung Diseases (DLD), NHLBI, NIH</li> <li>• Kyung Moon, Ph.D., Program Director, DBDR, NHLBI, NIH</li> </ul>
4:20–4:30 p.m.	<b>Wrap-up</b> Asif Rizwan, Ph.D., Program Director, DBDR, NHLBI, NIH
4:30 p.m.	<b>Adjourn</b>

Day 2	April 15, 2021
10:00–10:10 a.m.	<b>Opening Remarks</b> Francis S. Collins, M.D., Ph.D., Director, NIH
10:10–10:25 a.m.	<b>Plenary Presentation: RADx-Tech: A Model for Rapid Acceleration of Diagnostics at Unprecedented Speed and Scale</b> Bruce Tromberg, Ph.D., Director, National Institute of Biomedical Imaging and Bioengineering, NIH
<b>Session IV: Understanding the Community</b>	<i>Chair: Monica Webb Hooper, Ph.D., Deputy Director, National Institute on Minority Health and Health Disparities (NIMHD), NIH</i>
10:25-10:30 a.m.	<b>Introduction to the Session</b> Monica Webb Hooper, Ph.D., Deputy Director, NIMHD, NIH
10:30–10:50 a.m.	<b>Transformational Stakeholder Engagement: A Model to Improve Sleep/Circadian Health in Vulnerable Communities</b> Girardin Jean-Louis, Ph.D., Professor, Department of Population Health and Department of Psychiatry, NYU Langone Health, NYU Grossman School of Medicine
10:50–11:10 a.m.	<b>Community Outreach Approach to Treatment of Hypertension</b> David Harrison, M.D., Professor of Medicine and Betty and Jack Bailey Chair in Cardiology, Vanderbilt University
11:10–11:30 a.m.	<b>Diagnostics and Disease Management Tools in American Indian Communities</b> Marcia O'Leary, RN, Co-Founder, Missouri Breaks Industries Research, Inc. Lyle Best, M.D., Missouri Breaks Industries Research, Inc.
11:30–11:50 a.m.	<b>Using Community Outreach and Technology to Address Latino Health Disparities</b> Olveen Carrasquillo, M.D., M.P.H., Professor and Chief, Division of General Medicine, University of Miami Health System
11:50 a.m.–12:10 p.m.	<b>Answering the Call: Racial Health Disparities in COVID-19 Among Essential Workers in the Urban Landscape</b> Patricia O'Brien-Richardson, Ph.D., Associate Teaching Professor, Rutgers University
12:10–12:30 p.m.	<b>Detection of COVID-19 and Other Health Information Using Wearables</b> Michael Snyder, Ph.D., Chair, Department of Genetics and Director, Center for Genomics and Personalized Medicine, Stanford University
12:30–1:00 p.m.	<b>Open Microphone Panel Discussion</b> <i>Moderators:</i> <ul style="list-style-type: none"> <li>• Marishka Brown, Ph.D., Director, National Center On Sleep Disorders Research, DLD, NHLBI, NIH</li> <li>• Makeda Williams, Ph.D., M.P.H., Program Director, Center for Translation Research and Implementation Science, NHLBI, NIH</li> </ul>

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	<ul style="list-style-type: none"> <li>Bishow Adhikari, Ph.D., Program Director, DCVS, NHLBI, NIH</li> </ul>
1:00–1:30 p.m.	Lunch Break
<b>Session V: Federal Partnerships for Underserved Populations</b>	<i>Chairs: Martin Mendoza, Ph.D., Director for the Division of Policy and Data, Office of Minority Health, U.S. Department of Health and Human Services (HHS), and Kathleen Rousche, Ph.D., Director, Office of Translational Alliances and Coordination (OTAC), NHLBI, NIH</i>
1:30–1:45 p.m.	<b>Evidence Evaluation of Diagnostic and Disease Management Tools for Use in Underserved Populations</b> Elise Berliner, Ph.D., Agency for Healthcare Research and Quality
1:45–2:00 p.m.	<b>Leveraging Research and Collaboration to Advance Health Equity</b> Christine Lee, Ph.D., Pharm.D., Strategic Research Engagement Lead, Office of Minority Health and Health Equity, Office of the Commissioner, Food and Drug Administration
2:00–2:15 p.m.	<b>The Secret Of MedTech Success: A Holistic Approach</b> Douglas Kelly, M.D., Deputy Director for Science and Chief Scientist, Center for Devices and Radiological Health, Food and Drug Administration
2:15–2:30 p.m.	<b>Increasing Access/Utilization of Emerging Tech in Under-Resourced Aging Populations</b> Leith States, M.D., M.P.H., Deputy Chief Medical Officer, Office of the Assistant Secretary for Health, HHS
2:30–2:45 p.m.	<b>HRSA’s Office for the Advancement of Telehealth – Programs to Improve Rural and Underserved Access to Care with Telehealth</b> William England, Ph.D., JD, Health Resources and Services Administration
2:45–3:00 p.m.	<b>The Indian Health Service: Improving Access to Care through a Telehealth Initiative</b> Susy Postal, DNP, RN-BC, Headquarters Indian Health Service (IHS) and Chris Fore, Ph.D., Founder and Director, IHS TeleBehavioral Health Center of Excellence
3:00–3:15 p.m.	<b>Using Data to Improve Quality in Medicaid and CHIP</b> LCDR Shondelle Wilson-Frederick, Ph.D., Technical Director for Analytics in the Division of Quality and Health Outcomes, Centers for Medicare & Medicaid Services
3:15–3:30 p.m.	<b>A Public-Private Partnership to Qualify Biomarkers for Early Detection and Prognosis of Pre-eclampsia</b> Tania Kamphaus, M.Sc., Ph.D., Foundation for the National Institutes of Health
3:30–3:45 p.m.	<b>Using Technology to Make Health Smarter in Underserved Communities</b> Wendy Nilsen, Ph.D., Acting Deputy Division Director, National Science Foundation
3:45–4:00 p.m.	<b>Using Self-Measured Blood Pressure Monitoring for Medically Underserved Populations and Beyond: Challenges and Opportunities</b> Hilary Wall, M.P.H., Senior Health Scientist/Million Hearts Science Lead, Centers for Disease Control and Prevention
4:00–4:15 p.m.	<b>DRIVING the Push for a Culture Change: Addressing Racial Bias in Developing Diagnostics</b> Šeila Selimović, Ph.D., Biologist/Program Manager, Biomedical Advanced Research and Development Authority
4:15–4:30 p.m.	<b>Plenary Presentation: Catalyzing Translational Innovation to Improve Health in Underserved Populations</b> Christopher P. Austin, M.D., Director, National Center for Advancing Translational Sciences, NIH
4:30–4:55 p.m.	<b>Open Microphone Panel Discussion</b> <i>Moderators:</i> Martin Mendoza, Ph.D., Director for the Division of Policy and Data, Office of Minority Health, HHS Kathleen Rousche, Ph.D., Director, OTAC, NHLBI, NIH Erin Iturriaga, DNP, M.S.N., RN, Clinical Trials Specialist/Program Officer, DCVS, NHLBI, NIH
4:55–5:00 p.m.	<b>Wrap-up</b> Asif Rizwan, Ph.D., Program Director, DBDR, NHLBI, NIH
5:00 p.m.	<b>Adjourn</b>

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