THE ROUNDTABLE ON POPULATION HEALTH IMPROVEMENT PRESENTS

A POPULATION HEALTH WORKFORCE

TO MEET 21ST CENTURY DEMANDS & OPPORTUNTIES



ATTENDEE PACKET | FEBRUARY 2022



THE NATIONAL ACADEMIES OF SCIENCES · ENGINEERING · MEDICINE

Roundtable on Population Health Improvement

A Population Health Workforce to Meet 21st Century Challenges and Opportunities

A Virtual Workshop

February 28, 2022 | 11:00 AM – 4:00 PM EST

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ROUNDTABLE ON POPULATION HEALTH IMPROVEMENT

A Population Health Workforce to Meet 21st Century Challenges and Opportunities

A Virtual Workshop

February 28, 2022 | 11:00 AM – 4:30 PM EST

Agenda

Workshop Objectives | Workshop presentations and discussion will explore the following:

- The variation in training, roles, and settings among workers in population health, broadly defined; the history and legal frameworks that shape some parts of the workforce.
- State of the workforce; challenges, opportunities, and solutions; equity and representation.
- Workforce pathways, competencies, training, and education
- Perspectives of educators and the next generation of professionals and leaders in the field.

11:00 AM Welcome and Workshop Overview

Ray Baxter (Roundtable Co-Chair), Trustee, Blue Shield of California Foundation; Board Member, CDC Foundation

11:10 AM Session I: Context-Setting Perspectives on the History and Public Health Law that Shapes the Workforce

Moderator: Lauren A. Smith, Chief Health Equity and Strategy Officer, CDC Foundation

- *Kyle Bernstein*, Branch Chief, Population Health Workforce Branch, Centers for Disease Control and Prevention
- **Merlin Chowkwanyun**, Assistant Professor of Sociomedical Sciences, Columbia University Mailman School of Public Health
- **Shauneequa Owusu,** Chief Strategy Officer and **Becky Johnson**, Managing Director, ChangeLab Solutions
- Josh Sharfstein, Vice Dean for Public Health Practice, Johns Hopkins University Bloomberg School of Public Health
- 12:30 PM Break

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1:00 PM Session II: Innovative Solutions to Current and Emerging Challenges

Moderator: **Valerie Yeager**, Associate Professor, Indiana University Fairbanks School of Public Health

- o Theresa Chapple McGruder, Director, Oak Park Department of Public Health, IL
- **Dave Chokshi**, Commissioner, New York City Department of Health and Mental Hygiene
- *Kimberly Fowler*, *Vice President*, *Technical Assistance and Research Center*, *National Council of Urban Indian Health*
- **Kusuma Madamala**, Public Health Systems and Services Researcher, Program Design and Evaluation Services, Oregon Health Authority Public Health Division
- **Sara Beaudreault**, Policy Analyst, Public Health Division and Multnomah County Health Department
- o Michael Baker, Health Services Director, Jefferson County Oregon Public Health
- Nicole Alexander-Scott, (former) Director, Rhode Island Department of Health
- o Renée Branch Canady, Chief Executive Officer, Michigan Public Health Institute

2:30 PM Break

3:00 PM Session III: Pathways, Competencies, Training, and Education for a Varied, Flexible, and Resilient Workforce

Moderator: Jeff Oxendine, Founder/CEO, Health Career Connection

- JP Leider, Director, Division of Health Policy and Management, University of Minnesota School of Public Health
- Montrece Ransom, Director, National Coordinating Center for Public Health Training, National Network of Public Health Institutes
- **Bianca Frogner,** Professor, Department of Family Medicine in the School of Medicine at University of Washington (UW); Director, UW Center for Health Workforce Studies
- o Tia Benally, MPH Candidate, UW School of Public Health
- Joana Fernandez Nuñez, MPH/MSW Candidate, University of California, Los Angeles Fielding School of Public Health

4:20 PM Closing Reflections

Kirsten Bibbins-Domingo (Roundtable Co-Chair), Professor and Chair, Department of Epidemiology and Biostatistics; Lee Goldman, MD Endowed Professor of Medicine; Vice Dean for Population Health and Health Equity, University of California, San Francisco

4:30 PM Workshop concludes

Workshop Planning Committee | This workshop was organized by the following experts: Ray Baxter (chair), Blue Shield of California Foundation trustee, CDC Foundation board; Monica Valdes Lupi, Kresge Foundation; Jewel Mullen, University of Texas at Austin Dell Medical School; Kara Odom Walker, Nemours; Valerie Yeager, Indiana University Fairbanks School of Public Health

Note: The planning committee's role is limited to planning the workshop. A proceedings based on workshop will be prepared by an independent rapporteur.

Special thanks: Jose Montero, CDC; Phyllis Meadows, The Kresge Foundation

Roundtable on Population Health Improvement Roster

Vision | A thriving, healthful, and equitable society

Mission | In recognition that health and quality of life for all are shaped by interdependent historical and contemporary social, political, economic, environmental, genetic, behavioral, and health care factors, the Roundtable on Population Health Improvement exists to provoke and catalyze urgently needed multi-sector community engaged collaborative action.

Members

Raymond Baxter, Ph.D. (co-chair)

Trustee, Blue Shield of California Foundation Board Member, CDC Foundation San Francisco, CA

Kirsten Bibbins-Domingo, M.D., Ph.D. (co-chair)

Professor and Chair of the Department of Epidemiology and Biostatistics Lee Goldman, MD Endowed Professor of Medicine Vice Dean for Population Health and Health Equity UCSF School of Medicine University of California, San Francisco San Francisco, CA

Philip M. Alberti, Ph.D.

Senior Director, Health Equity Research and Policy Association of American Medical Colleges Washington, DC

Dawn Alley, Ph.D.

Head of Healthcare Innovation Morgan Health JP Morgan Chase Washington, DC

John Auerbach, M.B.A.

Director of Intergovernmental and Strategic Affairs Centers for Disease Control and Prevention Washington, DC

Debbie I. Chang, M.P.H.

President and CEO Blue Shield of California Foundation San Francisco, CA

Marc N. Gourevitch, M.D., M.P.H.

Professor and Chair Department of Population Health NYU Langone Health New York, NY

Meg Guerin-Calvert, M.P.A.

Senior Managing Director and President, Center for Healthcare Economics and Policy FTI Consulting Washington, DC

Hilary Heishman, M.P.H.

Senior Program Officer Robert Wood Johnson Foundation Princeton, NJ

Dora Hughes, M.D., M.P.H.

Senior Advisor, Center for Medicare and Medicaid Innovation Centers for Medicare and Medicaid Services U. S. Department of Health and Human Services Washington, DC

Sheri Johnson, Ph.D.

Director, Population Health Institute Acting Director, Robert Wood Johnson Foundation Culture of Health Prize Associate Professor (CHS), Department of Population Health Sciences School of Medicine and Public Health University of Wisconsin-Madison Madison, WI Wayne Jonas, M.D. Executive Director Integrative Health Programs H & S Ventures, Samueli Foundation Alexandria, VA

Robert M. Kaplan, Ph.D. Professor Center for Advanced Study in the Behavioral Sciences Stanford University Stanford, CA

Milton Little, M.A. President United Way of Greater Atlanta Atlanta, GA

Phyllis D. Meadows, Ph.D., R.N., M.S.N. Senior Fellow, Health Program Kresge Foundation Troy, MI

Bobby Milstein, Ph.D., M.P.H. Director ReThink Health Morristown, NJ

José T. Montero, M.D., MHCDS Director, Office for State, Tribal, Local and Territorial Support (OSTLTS) Deputy Director, Centers for Disease Control and Prevention Atlanta, GA

Willie (Billy) Oglesby, Ph.D. Interim Dean College of Population Health Jefferson University Philadelphia, PA

Jason Purnell, Ph.D. Vice President of Community Health Improvement BJC Health Care Associate Professor Brown School Washington University in Saint Louis Saint Louis, MO **Lourdes J. Rodríguez, Dr.P.H.** Senior Program Officer St. David's Foundation Austin, TX

Kosali Simon, Ph.D.

Herman B. Wells Endowed Professor Associate Vice Provost for Health Sciences Paul H. O'Neill School of Public and Environmental Affairs Indiana University Bloomington, IN

Kara Odom Walker, M.D., M.P.H, M.S.H.S. Senior Vice President and Chief Population Health Officer Nemours Washington, DC

Terry Williams, M.B.A., Dip. Econ. Executive Vice President & Chief, Population, Corporate, & Government Affairs Officer Atrium Health Winston-Salem, NC

Oktawia Wojcik, Ph.D. Senior Program Officer Robert Wood Johnson Foundation Princeton, NJ

Hanh Cao Yu, Ph.D. Chief Learning Officer The California Endowment Oakland, CA

ROUNDTABLE ON POPULATION HEALTH IMPROVEMENT

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A Population Health Workforce to Meet 21st Century Challenges and Opportunities

A Virtual Workshop

Biosketches of Speakers, Moderators, and Planning Committee Members

*denotes planning committee member, †denotes roundtable member

Michael Baker

Michael Baker, Ph.D., M.S.P.H., CEHS/RS, joined Jefferson County in August 2016. Originally from Washington State, he has spent 20 years working in nearly every aspect of local public health. In Jefferson County, he's focused on making Jefferson County Public Health a more active partner and presence in the community. Michael's professional interest is local public health in rural and frontier communities and balancing the obstacles of geography, limited resources, and staffing to meet community needs. Michael holds a PhD in Public Health, a Master's of Science in Public Health, and Bachelor degrees in both Zoology and General Biological Sciences.

Ray Baxter^{+*}

Raymond Baxter, Ph.D., currently serves as the co-chair of the Population Health Roundtable of the National Academies of Science, Engineering and Medicine; a Trustee of the Blue Shield of California Foundation; and a member of the Board of Directors of the CDC Foundation. Dr. Baxter most recently was CEO of the Blue Shield of California Foundation. He currently serves on the advisory boards to the Deans of the UC Berkeley School of Public Health and the UCSF School of Nursing.

For 15 years, Dr. Baxter was Kaiser Permanente's national senior vice president for community benefit, research and health policy. There he built the largest community benefit program in the US, investing over \$2 billion annually in community health. He led Kaiser Permanente's signature national health improvement partnerships, including the Weight of the Nation, the Convergence Partnership and the Partnership for a Healthier America. Dr. Baxter also established Kaiser Permanente's Center for Effectiveness and Safety Research and built out its national genomics research bank, served as President of KP International, and chaired Kaiser Permanente's field-leading environmental stewardship work. He was a founding sponsor of the KP School of Medicine.

Previously he headed the San Francisco Department of Public Health, the New York City Health and Hospitals Corporation, and The Lewin Group. Dr. Baxter holds a doctorate from Princeton University. In 2001 the University of California, Berkeley, School of Public Health honored him as a Public Health Hero for his service in the AIDS epidemic in San Francisco. In 2006 he received the CDC Foundation Hero Award for addressing the health consequences of Hurricane Katrina in the Gulf Coast. In 2016, the San Francisco Business Times recognized his philanthropic contributions with its first Legacy Award.

Sara Beaudrault

Sara Beaudrault, M.P.H., a native Oregonian, is currently a Policy Analyst for Public Health Division and Multnomah County Health Department. Her work focuses on implementing public health system changes to eliminate health inequities and ensure that every person across the state has access to critical public health protections. Beaudrault collaborates with governmental public health and health system partners to address Oregon's most pressing health problems population health challenges through policy and system change.

Beaudrault's early career was in the behavioral health field, working with at risk children and families. Since receiving her Master of Public Health degree at Portland State University, Sara has worked for the Oregon Health Authority, Public Health Division.

Tia "Tee" Benally

Tee Benally is Diné (Navajo) and White Mountain Apache, and a student in the Master of Public Health in Community Oriented Public Health Practice Program (COPHP) at the University of Washington School of Public Health. Tee is a recipient of the Rattlinggourd Endowed Scholarship & Fellowship.

Tee graduated from the University of New Mexico with a bachelor's degree in community health and then worked in a variety of settings, including conducting clinical and community outreach on diabetes prevention and commercial tobacco prevention and control. She primarily worked with the southwest tribes in New Mexico, including the 19 Pueblos, Navajo Nation and Apache tribes.

Kyle Bernstein

Kyle Bernstein, Sc.M., Ph.D., is the Chief of the Population Health Workforce Branch (PHWB) in the Division of Scientific Education and Workforce Development (DSEPD). Previously, he was the Branch Chief of the Epidemiology and Statistics Branch (ESB) in the Division of STD Prevention (DSTDP). Prior to coming to CDC in 2014, Dr. Bernstein held leadership and epidemiology positions with the San Francisco Department of Public Health, the California Department of Health Services, the Baltimore City Department of Health, and the New York City Department of Health and Mental Hygiene. Dr. Bernstein has extensive experience conducting innovative epidemiologic research in both academic and public health settings. He is a recognized expert and leader in the field of STD/HIV prevention, epidemiologic research, and workforce development and has authored or coauthored more than 160 scientific journal articles. Dr. Bernstein received a B.A. from Brown University and both a Sc.M. and Ph.D. degrees in epidemiology from The Johns Hopkins University Bloomberg School of Public Health.

Kristen Bibbins-Domingo†

Kirsten Bibbins-Domingo, Ph.D., M.D., MAS, is Professor and Chair of the Department of Epidemiology and Biostatistics, and the Lee Goldman, M.D. Endowed Professor of Medicine. She is the inaugural Vice Dean for Population Health and Health Equity in the UCSF School of Medicine. Dr. Bibbins-Domingo cofounded the UCSF Center for Vulnerable Populations at Zuckerberg San Francisco General Hospital that generates actionable research to increase health equity and reduce health disparities in at-risk

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populations in the San Francisco Bay Area, California, and nationally. She is one of the PIs of the UCSF Clinical and Translational Science Institute and leads the UCSF COVID Community Public Health Initiative. Dr. Bibbins-Domingo is a general internist, cardiovascular disease epidemiologist, and a national leader in prevention and interventions to address health disparities. She is an NIH-funded researcher who uses observational studies, pragmatic trials, and simulation modeling to examine effective clinical, public health, and policy interventions aimed at prevention. She leads the UCSF Cardiovascular Disease Policy Model group that conducts simulation modeling, disease projections, and cost-effectiveness analyses related to cardiovascular disease in the US and in other national contexts.

Dr. Bibbins-Domingo was a member of the U.S. Preventive Services Task Force from 2010-2017 and led the Task Force as the vice-chair and chair from 2014-2017. She is an inducted member of the American Society for Clinical Investigation, the Association of American Physicians, and the National Academy of Medicine.

Renée Branch Canady

Renée Branch Canady, M.P.A., Ph.D., serves as Chief Executive Officer (CEO) of MPHI; a Michigan-based and nationally engaged non-profit public health institute dedicated to advancing population health through public health innovation and collaboration.

Dr. Canady has been recognized as a national thought leader in the areas of health inequities and disparities, cultural competence, and social justice. She has published and presented broadly on these topics and her passion for this work is evident in her personal, academic, and professional life. Dr. Canady has been highly influential in broadening the discussion of health equity and social justice while serving on numerous national boards, review panels, and advisory groups.

Dr. Canady has been an outstanding public health advocate, researcher, educator, and facilitator, and is a highly sought after speaker. Her career path has also included serving as Directed of Student Affairs in the College of Nursing at MI State University and Assistant Area Director in the Department of Residence Life at the University of North Carolina. She earned her Ph.D. in Medical Sociology from Michigan State University, a master's degree in Public Administration from Western Michigan University and a bachelor's degree in Public Health Nutrition from the University of North Carolina in Chapel Hill.

Theresa Chapple-McGruder

Theresa Chapple-McGruder, Ph.D., serves as the director of Oak Park's state-certified local health department. Dr. Chapple-McGruder oversees an operation that is one of only four municipal health departments in suburban Cook County certified by the state to provide public health programming. The Oak Park Department of Public Health is responsible for protecting the community's health from preventable death, disease, illness, and injury.

A governmental and applied epidemiologist, Dr. Chapple-McGruder has spent the majority of her career at local, state, and federal health agencies, and with organizations that directly support governmental public health. During the COVID-19 crises she has helped school districts craft reopening plans and provided expert consultations to recreational sports teams, news media operations, and community-based organizations to help flatten the infection curve and promote vaccination.

Prior to assuming her role, she led the Women's Health Data and Evaluation team at the Health Resources & Services Administration in Rockville, Maryland. Dr. Chapple-McGruder lived in Oak Park from 2005 to 2009 while pursuing a doctoral degree at the University of Illinois-Chicago. Her education

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also includes a master's degree in public health from the University of North Carolina at Chapel Hill and a bachelor's degree in psychology from Clark University in Atlanta.

Dave Chokshi

Dave A. Chokshi, M.D., M.Sc, FACP is the 43rd Commissioner of the New York City Department of Health and Mental Hygiene, one of the leading health agencies in the world. Dr. Chokshi has led the City's public health response to the COVID-19 pandemic, including its historic vaccination campaign. He grew the Health Department's annual budget to its highest-ever level, reflecting investment in signature initiatives such as the Public Health Corps and Pandemic Response Institute. Dr. Chokshi also chairs the NYC Board of Health, which adopted a landmark resolution on racism as a public health crisis.

Dr. Chokshi's prior work experience spans the public, private, and nonprofit sectors. Dr. Chokshi served as inaugural Chief Population Health Officer at NYC Health + Hospitals and he has taken care of patients as a primary care physician at Bellevue Hospital since 2014.

He has written widely on public health and medicine including in The New England Journal of Medicine, JAMA, and The Lancet. Dr. Chokshi received his M.D. with Alpha Omega Alpha distinction from Penn, his MSc in global public health as a Rhodes Scholar at Oxford, and graduated summa cum laude from Duke.

Merlin Chowkwanyun

Merlin Chowkwanyun, Ph.D, M.P.H., is the Donald H. Gemson Assistant Professor Sociomedical Sciences at Columbia's Mailman School of Public Health. Dr. Chowkwanyun's work centers on the history of community health; environmental health regulation; racial inequality; and social movement/activism around health. He is working on a book examining localism and health politics in the post-WWII, using case studies on medical care and environmental health controversies in four regions (Los Angeles, Cleveland, Central Appalachia, and New York) and another about political unrest at medical schools and neighborhood health activism during the 1960s and 1970s. He is also the PI (co-PI David Rosner) on a recent National Science Foundation Standard Research Grant for ToxicDocs.org, a depository of millions of pages of once-secret documents on industrial poisons. Dr. Chowkwanyun is affiliated with the Department of History and a faculty member of the Center for the History and Ethics of Public Health and the Data Science Institute.

Kimberly Fowler

Kimberly Fowler, Ph.D., a native of Jacksonville, FL, has been working to support indigenous communities for nearly a decade. Dr. Fowler has been employed at NCUIH since 2011 and as the current VP of the Technical Assistance and Research Center (TARC), has led the development of various projects focused on Urban Indian Organization capacity-building and sustainability to support operational and programmatic growth, as well as supporting research centered on the urban Indian health sector.

She received her Ph.D. from Yale University and B.S. from Tennessee State University. Prior to joining NCUIH, Dr. Fowler supported several initiatives through the coordination and delivery of technical assistance in health systems and clinical operations for communities of color, including managing a women's health behavior intervention program to reduce health disparities risk. Dr. Fowler also completed her postdoctoral fellowship from the University of Colorado-Denver where she also received a Certificate in Public Health.

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Bianca Kiyoe Frogner

Bianca Kiyoe Frogner, Ph.D., is a Professor in the Department of Family Medicine in the School of Medicine at University of Washington (UW). She is the Director of the UW Center for Health Workforce Studies (CHWS) and Deputy Director of the Primary Care Innovation Lab (PCI-Lab), which are housed in the Department of Family Medicine. Dr. Frogner is a health economist (NIH T32 trainee) with expertise in health services delivery, health workforce, labor economics, health spending, health insurance coverage and reimbursement, and international health systems.

She is the Principal Investigator of two Health Resources and Services Administration (HRSA) Health Workforce Research Center (HWRC) grants, one focused on allied health and another focused on the training and education of health professionals to address health equity. In 2016, Dr. Frogner served on an Institute of Medicine (IOM) Consensus Study Committee on Educating Health Professionals to Address the Social Determinants of Health. She serves on the editorial boards of Medical Care Research and Review and Health Systems. She received the 2019 John M. Eisenberg Article-of-the-Year Award as lead author of a study investigating physical therapy as the first point of care for low back pain treatment published in Health Services Research. Dr. Frogner recently provided testimony on health care careers to the Worker and Family Support Subcommittee of the US House Ways and Means Committee. Dr. Frogner's has produced 115 publications including peer-reviewed articles, book chapters, and reports. Her research has been shared in over 200 scholarly presentations and has appeared in popular media outlets including CNN, NPR, Wall Street Journal, Vox, and Politico.

Dr. Frogner completed a post-doctoral fellow at the University of Illinois at Chicago School of Public Health. Dr. Frogner received her PhD in health economics at the Johns Hopkins Bloomberg School of Public Health, and BA at University of California, Berkeley in Molecular and Cell Biology.

Becky Johnson

Becky Johnson, M.P.H., is a managing director primarily focused on supporting health departments with the systematic application and use of laws and policies to advance health equity. Johnson currently leads ChangeLab Solutions' work under a cooperative agreement with the Centers for Disease Control and Prevention (CDC). In this role, she works with a wide variety of internal and external partners to manage the provision of capacity building assistance on over 30 areas of public health policy and policy. Additionally, Johnson has professional experience working on a wide range of topics, including health in all policies, children's mental health, environmental health, and tobacco control policies.

Previously, she served as a lecturer at the California State University, East Bay, teaching courses on environmental health, health behavior, and health education. Prior to joining ChangeLab Solutions, Johnson worked at the National Association of County and City Health Officials, where she conducted research and developed tools and resources for local health departments. Johnson also worked at the American Psychological Association on the Socioeconomic Status Related Cancer Disparities Program. She has an MPH from George Washington University.

JP Leider

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JP Leider, Ph.D., is a senior fellow within the Division of Health Policy and Management at the University of Minnesota School of Public Health. Dr. Leider teaches health policy, as well as budgeting and financial management. Dr. Leider works with the PHAP and EPHAP programs. He also directs the School of Public Health's Center for Public Health Systems, which works with foundations, national public health organizations, public health researchers and academics, and public health practitioners. Current projects focus on public health systems, the public health workforce, and public health finance. Dr. Leider is also

director of evaluation for the Region V Public Health Training Center and associate faculty at the Johns Hopkins Bloomberg School of Public Health.

Monica Valdes Lupi*

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Monica Valdes Lupi, J.D., M.P.H., joined the Kresge Foundation as the Managing Director for Health in September 2020. With more than 20 years of experience in public health, Valdes Lupi leads the Foundation's efforts to build equity-focused systems of health that create opportunities for all people to achieve well-being. She collaborates with other Kresge teams on efforts to lead with equity and partner with communities in their efforts to ensure access to safe and affordable housing, fresh food, clean air, and economic opportunities. She has also worked as a Senior Fellow with the de Beaumont Foundation where she advised on efforts to amplify and accelerate policy initiatives aimed at developing and advancing a health agenda on critical public health issues. In addition, Valdes Lupi served as a Senior Advisor to the CDC Foundation in its COVID-19 efforts.

Previously, Valdes Lupi was the Executive Director for the Boston Public Health Commission, the local health department for the City of Boston. She has led efforts for governmental public health at the national level as the first Chief Program Officer for Health Systems Transformation at the Association of State and Territorial Health Officials. She led ASTHO's work on health equity, Medicaid and Public Health Partnerships, government relations, state health policy, and public health informatics. Valdes Lupi has been appointed by the Biden Administration to serve on the Advisory Committee for the Centers for Disease Control and Prevention.

Kusuma Madamala

Kusuma Madamala, Ph.D., M.P.H., is a Public Health Systems and Services Researcher with Program Design and Evaluation Services within both the Oregon Health Authority Public Health Division and Multnomah County Health Department. Her work is focused on Oregon's public health modernization efforts. She has over 20 years of experience in public health practice and research with governmental agencies, community-based organizations, academia and nonprofit settings.

Dr. Madamala's work has primarily concentrated on the performance of local and state health departments with their system partners to achieve population health improvement. Specific areas of experience and interest have included service delivery in U.S. health departments, cross-jurisdictional sharing, public health quality and performance improvement, national public health policy development and clinical/population health collaborations. She is a member of the Public Health Accreditation Board's Research Advisory Committee, Advisory Board member of the National Center for Sharing Public Health Services, Science Board member of the American Public Health Association, former chair of the Health Administration Section of the American Public Health Association (APHA) and former Advisory Committee member of AcademyHealth's Public Health Systems Research Interest Group. She is a member of the DrPH faculty at the University of Illinois at Chicago School of Public Health and affiliate faculty at OHSU-PSU School of Public Health. Dr. Madamala is the recipient of the Alan W. Donaldson Memorial Award, University of Illinois Constituent Leadership Award, W.C. Woodward Award and Chair's Award from the Health Administration Section of APHA.

Jewel Mullen*

🥑 @JewelMMullen

Jewel Mullen, M.D., M.P.H., M.P.A., FACP, is Associate Dean for Health Equity at Dell Medical School, as well as an associate professor in the school's population health and internal medicine departments. She

also serves as Director of Health Equity at Ascension Seton. Mullen is an internist, epidemiologist, public health leader and the former principal deputy assistant secretary for health in the U.S. Department of Health and Human Services (HHS). She also served as commissioner of the Connecticut Department of Public Health and Medical Director of Baystate Mason Square Neighborhood Health Center. Her career has spanned clinical, research, teaching and administrative roles focused on improving the health of all people, especially those who are underserved. She is recognized nationally and internationally as a leader in building effective community-based chronic disease prevention programs and for her commitment to improving individual and population health by strengthening coordination between community, public health and health care systems. She has contributed leadership for the governmental responses to the Ebola and Zika epidemics, as well as several other public health emergencies.

A former President of the Association of State and Territorial Health Officials, Mullen serves on the Editorial Board of CDC's Morbidity and Mortality Weekly Report and the Board on Population Health and Public Health Practice at the National Academies of Sciences, Engineering and Medicine. She also is a member of the National Academies' Study Committee on A Fairer and More Equitable, Cost Effective, and Transparent System of Donor Organ Procurement, Allocation, and Distribution.

Joana Fernández Nuñez

Joana Fernández Núñez is a Public Health and Social Welfare dual degree student at UCLA. Inspired by her experiences growing up as a first generation Mexican-American in New Mexico, her multidisciplinary liberal arts undergraduate education at Williams College, and her work in hospital, nonprofit, academic, research, and private settings, Ms. Fernández Nuñez spends her time at UCLA studying the multidirectional effects of mental wellbeing, socioeconomic status, and availability & quality of care. After graduation, Joana plans to work with the California Latinx community in both a clinical role that allows her to provide mental health prevention and treatment services and a managerial role that focuses on improving access and quality of care through transformative change.

Joana joined the Steinberg Institute in the Summer of 2021 as a Health Career Connection Fellow.

Joana has worked for the Massachusetts General Hospital Health Disparities Research Unit, the NYU Center for Neural Science, New Mexico Health Equity Partnership, A Community of Friends, and Sociedad Latina.

Kara Odom Walker*

🥑 @DrKaraWalker

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Kara Odom Walker, M.D., M.P.H., MSHS, is Executive Vice President and Chief Population Health Officer of Nemours Children's Health. She leads the Nemours Children's National Office of Policy and Prevention, the Value-Based Services Organization, and the Delaware Children's Health Network. She also serves as executive champion of Nemours Diversity, anti-Racism, Inclusion, Value and Equity (DRIVE) initiative. Prior to joining Nemours Children's Health in 2020, Dr. Walker served as Cabinet Secretary of the Delaware Department of Health and Social Services under Governor John Carney's first elected term from February 2017 through 2020. She was previously the Deputy Chief Science Officer at the Patient Centered Outcomes Research Institute and is a board-certified family physician. Dr. Walker is a fellow of the American Academy of Family Physicians and an elected member of the National Academy of Medicine. Dr. Walker holds an MD from Thomas Jefferson University, a Master of Science in Health Services Research from UCLA, and a Master of Public Health from Johns Hopkins University.

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Shauneequa Owusu

Shauneequa Owusu, M.S. as chief strategy officer, Owusu is responsible for the development and execution of ChangeLab Solutions' program and impact strategies. She oversees an interdisciplinary team of lawyers, policy analysts, and city planners, that work with community organizations, governments, and local institutions to design and implement equitable and practical policy solutions.

Prior to joining ChangeLab Solutions, Owusu worked for the New York Academy of Medicine, where she served as director of strategic partnerships and community engagement. In this capacity, she led community development and participatory planning initiatives and oversaw government relations. In addition, Owusu worked for Seedco, a national community economic development corporation, where she focused on advocating for support for small businesses, workers, and families and leading the government affairs team. Owusu also served as a legislative policy analyst for the New York City Council, where she co-led development of large-scale policy and legislative initiatives.

Jeff Oxendine

Jeff Oxendine, M.B.A., M.P.H., has been a health executive, educator, and consultant for 27 years. Since his own undergraduate internship in 1982, in HCC's predecessor program, he has held senior administrative positions in hospitals, medical groups, academic institutions, and his own consulting firm. He is also a leader in California Health Workforce and Diversity efforts as Co-Director of the California Health Professions Consortium and The California Health Workforce Alliance. Jeff teaches healthcare management at UC Berkeley School of Public Health and previously taught for 5 years at Harvard School of Public Health.

Prior to coming to Berkeley, he held executive roles in leading organizations including Partners Healthcare System, Brigham and Women's Hospital, Bay Imaging Consultants Medical Group and Alta Bates Medical Center. Jeff obtained his Master's degree in Business Administration and Public Health from U.C. Berkeley where he met HCC's other Founders.

Montrece Ransom

Montrece McNeill Ransom, J.D., M.P.H., currently serves as the Director of the National Coordinating Center for Public Health Training at the National Network of Public Health Institutes. Ransom was appointed as a Presidential Management Fellow and worked at CDC for almost 20 years. For the last 10 years of her service, Ransom led CDC's public health law related training and workforce development efforts. She is also a well-known public speaker, peer-reviewed published author, the Co-Editor of the forthcoming textbook, "Public Health Law: Concepts and Case Studies," to be released by Springer Publishing in the Summer of 2021.

Ransom is the ABA Health Law Section's 2019 Champion of Diversity and Inclusion Awardee, and the 2017 recipient of the American Public Health Association Jennifer Robbins Award for the Practice of Public Health Law. She is the President-Elect of the American Society for Law, Medicine, and Ethics and serves on the Advisory Committee for the Georgia Campaign for Adolescent Power and Potential. Devoted to helping people reach their human potential, Ransom also spends a lot of time working on career pathing and professional development with new public health practitioners and public health lawyers. She received her law degree from the University of Alabama, her M.P.H. from Emory University's Rollins School of Public Health, and her Executive Leadership Coaching Certification from Georgetown University. In addition, she has received a certificate in training and facilitation from the Association of Talent Development.

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Joshua Sharfstein

Joshua M. Sharfstein, M.D., is professor of the practice in health policy and management and vice dean for public health practice and community engagement at the Johns Hopkins Bloomberg School of Public Health. He is a former health commissioner of Baltimore City, health secretary of Maryland, and principal deputy commissioner of the US Food and Drug Administration. He is a member of the National Academy of Medicine and fellow of the National Academy of Public Administration.

Lauren Smith

Lauren Smith, M.D., M.P.H., is the chief health equity and strategy officer for the CDC Foundation. As chief health equity and strategy officer, Smith partners with the CDC Foundation's other senior leaders to develop and drive strategic efforts to embed health equity across the Foundation's COVID-19 response activities with an explicit focus on addressing systemic racism and its impact on vulnerable populations' resiliency amidst the pandemic.

Her previous leadership roles have included serving as the medical director and then interim commissioner for the Massachusetts Department of Public Health, the senior strategic advisor for a national innovation and improvement network focused on reducing infant mortality and the medical director of the pediatric inpatient service at Boston Medical Center. She also held federal and state government roles as a policy analyst in the Office of Inspector General for the U.S. Department of Health and Human Services and as a W.T. Grant Health Policy Fellow in the office of the Massachusetts Speaker of the House.

Smith holds a B.A. with honors in biology from Harvard College, an MD from University of California, San Francisco School of Medicine, and an MPH from University of California, Berkeley School of Public Health. She completed her pediatrics residency and chief residency at Children's Hospital Boston and her general pediatrics fellowship at Boston Medical Center, Department of Pediatrics.

Valerie Yeager*

Valerie A. Yeager, Dr.P.H., M.Phil, is an associate professor at Indiana University Richard M. Fairbanks School of Public Health. As a public health systems and services researcher, Dr. Yeager applies quantitative and qualitative tools to examine the public health workforce, health department accreditation, and interventions at the intersection of health care and public health. Current research includes studies of the recruitment and retention of public health workers, health department workforce development planning, hospital community health needs assessments and implementation planning, and hospital systems change for improved tobacco cessation. She has worked with governmental public health in local, state, and federal settings for over 15 years and continues to collaborate with partners in practice.

ØdrJoshS

CDCFound

ØValerieYeager

ROUNDTABLE ON POPULATION HEALTH IMPROVEMENT

A Population Health Workforce to Meet 21st Century Challenges and Opportunities

A Virtual Workshop

Readings and Resources

SESSION I: Context-setting Perspectives on History and Public Health Law that Shapes Workforce

AmeriCorps. n.d. FY 2022 AmeriCorps state and national public health AmeriCorps. https://americorps.gov/funding-opportunity/fy-2022-americorps-state-national-public-healthamericorps

Public Health AmeriCorps is a new \$400 million dollar partnership between AmeriCorps and the Centers for Disease Control and Prevention (CDC) to support the recruitment, training, and development of a new generation of public health leaders who will be ready to respond to the nation's public health needs.

- CDC. 2022, February 1. Advisory committee to the director (CDC). PowerPoint presentation. https://www.cdc.gov/about/advisory-committee-director/pdf/ACDMeeting 2.1.2022.pdf
- CDC Foundation, ASTHO, NACCHO, and Big Cities Health Coalition. 2021, December 6. *National summit series: Summit 1- Achieving a diverse and effective public health workforce*. Washington, DC: Illinois Public Health Institute. <u>https://futureofpublichealth.org/wp-content/uploads/2022/02/LCA-Summit-1_Workforce_-Summary-Report_02.07.2022.pdf</u>
- ChangeLab Solutions. n.d. *Blueprint for changemakers: Achieving health equity through law & policy.* <u>https://www.changelabsolutions.org/product/blueprint-changemakers</u>
- ChangeLab Solutions. n.d. *Equitable enforcement to achieve health equity.* <u>https://www.changelabsolutions.org/product/equitable-enforcement-achieve-health-equity</u>

ChangeLab Solutions. n.d. Health in all policies. https://www.changelabsolutions.org/health-all-policies

- ChangeLab Solutions. n.d. *Public health law academy*. <u>https://www.changelabsolutions.org/good-governance/phla</u>
- de Beaumont, PHNCI, and PHAB. 2022, February 10. *Staffing Up: Determining Public Health Workforce Levels Needed to Serve the Nation*. <u>https://phnci.org/national-frameworks/staffing-up</u>

- deBeaumont, PHNCI, and PHAB. 2021. Public Health Network Protecting the Public's Health: An Estimate of Staffing Needed to Serve the Nation. <u>https://phnci.org/uploads/resource-files/Staffing-Up-Final-</u><u>Report.pdf</u>
- de Beaumont, PHNCI, and PHAB. 2021. *Staffing Up: Workforce Levels Needed to Provide Basic Public Health Services for All Americans*. <u>https://phnci.org/uploads/resource-files/Staffing-Up-Research-Brief.pdf</u>
- Galea, S. and Vaughan, R. Preparing the public health workforce for the post-COVID-19 era. 2021. *Am J Public Health* 111(3): 350-352. <u>https://doi.org/10.2105/AJPH.2020.306110</u>
- LCA. n.d. *Lights, camera, action: The future of public health national summit series.* <u>https://futureofpublichealth.org/</u>

This website has links to prior recordings, podcasts and reports, as well as info about upcoming summits and other resources.

Sharfstein, J. 2021, April 15. Legitimacy and public health. *Milbank Quarterly*. <u>https://www.milbank.org/quarterly/opinions/legitimacy-and-public-health/</u>

Advocating for public health as "what we as a society do collectively to assure the conditions" in which all can be healthy:

- 1. Articulate the benefits of public health
- 2. Public health agencies expand their public engagement
- 3. Put forward a coherent vision for supporting individual freedom
- Wells, K., Dwyer, A.J., Calhoun, E., and Valverde, P.A. 2021. Community health workers and non-clinical patient navigators; A critical COVID-19 pandemic workforce. *Preventive Medicine* 146: 106464. <u>https://doi.org/10.1016/j.ypmed.2021.106464</u>

SESSION II: Innovative Solutions to Current and Emerging Challenges

- Beitsch, L.M., Yeager, V.A., Leider, J.P Erwin, P. 2019. Mass Exodus of State Health Department Deputies/Senior Management Threatens Institutional Stability. *American Journal of Public Health* 109(5):681-683. <u>https://doi.org/10.2105/ajph.2019.305005</u>
- Erwin, P., Beck, A., Yeager, V.A., Leider, J.P. Public Health Undergraduates in the Workforce: A trickle, soon a wave? 2019. *American Journal of Public Health* 109(5):685-687. https://doi.org/10.2105/ajph.2019.305004
- The Kresge Foundation and NNPHI. 2021. Challenges and Opportunities for Strengthening the US Public Health Infrastructure: Findings From the Scan of the Literature. <u>https://nnphi.org/resource/challenges-and-opportunities-for-strengthening-the-u-s-public-health-infrastructure-findings-from-the-scan-of-the-literature/</u>
- New York University School of Global Public Health. 2021, October 8. <u>New York Public Health Corps:</u> <u>Setting the Stage for Change</u>.
- New York City Government. 2021, September 29. <u>Mayor de Blasio Launches the NYC Public Health</u> <u>Corps</u>.

Oregon Health Authority. n.d. *Public health modernization*. <u>https://www.oregon.gov/oha/PH/ABOUT/TASKFORCE/Pages/index.aspx</u>

- Sellers K., Leider J.P., Gould E., Castrucci B.C., Beck A., Bogaert K., Coronado F., Shah G., Yeager V.A., Beitsch L.M., Erwin P.C. 2019. The State of the US Governmental Public Health Workforce, 2014-2017. American Journal of Public Health 109(5):674-680. <u>https://doi.org/10.2105/ajph.2019.305011</u>
- Taylor, H., Yeager, V.A. 2021. Core Competency Gaps among Governmental Public Health Employees With and Without a Formal Public Health Degree. *Journal of Public Health Management and Practice* 27(1):20-29. <u>https://doi.org/10.1097/phh.000000000001071</u>
- Varma, J.K., Long T.G., and D. A. Chokshi. 2021, December 2. 5 skills public health officials need to combat the next pandemic. *Harvard Business Review*. <u>https://hbr.org/2021/12/5-skills-public-health-officials-need-to-combat-the-next-pandemic</u>

Rhode Island Department of Health. Health Equity Zones.

- Yeager V.A., Balio C.P., Chudgar R.B., Hare Bork R., Beitsch L.M. 2021. Estimating Public Health Workforce Efforts Toward Foundational Public Health Services. *Journal Public Health Management* and Policy. <u>https://doi.org/10.1097/phh.00000000001452</u>
- Yeager, V.A., Leider, J.P, Coronado, F. 2019. The Role of Salary in Recruiting Employees in State and Local Governmental Public Health: PH WINS 2017. *American Journal of Public Health* 109(5):683-685. <u>https://doi.org/10.2105/ajph.2019.305008</u>

SESSION III: Competencies, Training, and Education for a Varied, Flexible, and Resilient Workforce

Aidala, A.A., Cavaliere, B., and Cinnick, S. 2019. Strategies and tools for public health workforce training needs assessments in diverse and changing population health contexts. *J Public Health Manag Pract* 25(5): 490-497. <u>https://doi.org/10.1097/phh.00000000000803</u>

Bronx Community Health Leaders. <u>https://www.bxchleaders.com/</u>

The Bronx Community Health Leaders (BxCHL) is a pre-health pathway program for socioeconomically disadvantaged and traditionally underrepresented students in healthcare professions.

- Daly E.R. A review of the applied epidemiology workforce in the United States: past, present, and future. *Ann Epidemiol*. 2021 Jun; 58:94-103. <u>https://doi.org/10.1016/j.annepidem.2021.03.002</u>
- Gaiser M.G., Buche J.L., Wayment C.C., Schoebel V., Smith J.E., Chapman S.A., Beck A.J. 2021. A systematic review of the roles and contributions of peer providers in the behavioral health workforce. *Am J Prev Med* 61(4):e203-e210. https://doi.org/10.1016/j.amepre.2021.03.025
- Garcia E., Kundu I., Kelly M., Guenther G., Skillman S.M., Frogner B. 2021. *The Clinical Laboratory Workforce: Understanding the Challenges to Meeting Current and Future Needs*. Washington, DC and Seattle, WA: American Society for Clinical Pathology and Center for Health Workforce Studies, University of Washington. <u>https://familymedicine.uw.edu/chws/wp-</u> <u>content/uploads/sites/5/2021/05/Siemens Clinical-Laboratory-Workforce_Report_042721.pdf</u>

- Lachance J.A. and Oxendine J.S. 2015. Redefining leadership education in graduate public health programs: prioritization, focus, and guiding principles. *Am J Public Health*. 105(Suppl 1):S60-4. <u>https://doi.org/10.2105/ajph.2014.302463</u>
- Leider, J.P., Castrucci, B.C., Plepys, C.M., Blakely, C., Burke, E., and J.B. Sprague. 2015. Public Health Rep 130(1): 104-113. <u>https://doi.org/10.1177/003335491513000114</u>
- Petersen, D.J., Albertine, S., Plepys, C., and J.G. Calhoun. 2013. Developing and educated citizenry: The undergraduate public health learning outcomes project. Public Health Rep 128(5): 425-430. https://dx.doi.org/10.1177%2F003335491312800517
- Plepys, C.M., Krasna, H., Leider, J.P., Burke, E.M., Blakely, C.H., and L. Magana. 2021. First-destination outcomes for 2015-2018 public health graduates: focus on employment. American Journal of Public Health 111(3): 475-484. <u>https://doi.org/10.2105/ajph.2020.306038</u>
- Skillman S.M., Snyder C.R., Frogner B.K., Patterson D.G. 2016. *The behavioral health workforce needed for integration with primary care: information for health workforce planning*. Seattle, WA: Center for Health Workforce Studies, University of Washington. <u>https://familymedicine.uw.edu/chws/wp-content/uploads/sites/5/2016/04/Integrated_behavioral_health_workforce_FR_2016_Apr_Skillman_pdf</u>

Relevant National Academies Publications

- National Academies of Sciences, Engineering, and Medicine. 2021. *Dialogue about the Workforce for Population Health Improvement: Proceedings of a Workshop*. Washington, DC: National Academies Press. <u>https://doi.org/10.17226/25545</u>
- National Academies of Sciences, Engineering, and Medicine. 2020. *Evidence-based practice for public health emergency preparedness and response*. Washington, DC: The National Academies Press. <u>https://doi.org/10.17226/25650</u>
- Institute of Medicine. 2012. For the public's health: Investing in a healthier future. Washington, DC: National Academies Press.

"Public health lacks an organizing concept for the cross-cutting capabilities that every public health department needs to be effective, and this attests in part to the fragmented and rigidly siloed nature of much public health funding. All health departments need capacity in, for example, information technology, policy analysis, and communication which cross-cut programs. It would be inefficient and ineffective to build separate systems and capacity for different programs rather than having what the committee has termed foundational capabilities that apply to all programs. Moreover, the committee developed the concept of a minimum package of public health services, which includes the foundational capabilities and an array of basic programs that no health department can be without (see Chapter 2). Although this package is built on the well-known and long-established concepts of the Three Core Public Health Functions and the Ten Essential Public Health Services, it is intended to make more specific the services that every community should receive from its state and local health departments and to inform public health funding decisions."

- IOM. 2003. Who will keep the public healthy? Washington, DC: National Academies Press.
- IOM. 2003. The Future of the Public's Health in the 21st Century. Washington, DC: National Academies Press.
- IOM. 1988. The Future of Public Health. Washington, DC: National Academies Press.

Additional Resources

- Association of Schools and Programs of Public Health. 2015. Framing the Future: Population Health across All Professions. Expert Panel Report. <u>https://s3.amazonaws.com/aspph-wp-production/app/uploads/2015/02/PHaAP.pdf</u>
- Beck A.J., Spetz J., Pittman P., Frogner B.K., Fraher E.P., Moore J., Armstrong D., Buerhaus P.I. 2021, September 15. Investing In A 21st Century Health Workforce: A Call For Accountability. *Health Affairs Blog*. <u>https://www.healthaffairs.org/do/10.1377/forefront.20210913.133585</u>
- Bekemier, B et al. 2021, May 28. Recommendations on the role and future directions of community health workers in the public health workforce. *National Coordinating Center for Public Health and Training*. <u>https://nnphi.org/wp-content/uploads/2021/05/NCCPHT-CHW-Report-Final.pdf</u>
- Bialek, R., 2018. From talk to action: the impact of public health department accreditation on workforce development. *Journal of Public Health Management and Practice*, *24*, pp.S80-S82. https://doi.org/10.1097/phh.00000000000723
- Big Cities Health Coalition. 2022. *Cities need to increase number of epidemiologists by nearly half to combat key health challenges, including COVID-19.* <u>https://www.bigcitieshealth.org/epidemiologist-shortage-puts-pandemic-response-at-risk/</u>
- Botchwey, N., S. Hobson, A. Dannenberg, K. Mumford, C. Contant, T. McMillan, R. Jackson, R. Lopez, & C. Winkle. 2009. A Model Curriculum for a Course on the Built Environment and Public Health: Training for an Interdisciplinary Workforce. *American Journal of Preventive Medicine* 36(2, Supplement), S63-S71. https://doi.org/10.1016/j.amepre.2008.10.003
- Brownstein, J. N., G. R. Hirsch, E. L. Rosenthal, and C. H. Rush. 2011. Community health workers "101" for primary care providers and other stakeholders in health care systems. *The Journal of ambulatory care management* 34(3): 210-220. <u>https://doi.org/10.1097/jac.0b013e31821c645d</u>
- Brown, L. D., D. Vasquez, J. J. Salinas, X. Tang, and H. Balcázar. Peer Reviewed: Evaluation of Healthy Fit: A Community Health Worker Model to Address Hispanic Health Disparities. *Preventing chronic disease* 15 (2018). <u>https://www.cdc.gov/pcd/issues/2018/17_0347.htm</u>
- Build Healthy Places Network. 2019. https://www.buildhealthyplaces.org/
- Centers for Disease Control and Prevention. n.d. Climate and health. <u>https://www.cdc.gov/climateandhealth/guidance.htm</u>

"One goal of the climate change program at the Centers for Disease Control and Prevention (CDC) is helping to develop a national public health workforce that can research and address the effects of climate change on human health. This includes workforce development within CDC as well as external development through training, research funding, fellowships, internships, and partnerships with diverse stakeholders. An educated workforce will help to ensure the capacity exists within the public health sector to research and address the anticipated health impacts of climate change." This CDC web page includes "descriptions and specific examples of some of the mechanisms CDC's Climate and Health Program is using to promote this goal."

Centers for Disease Control and Prevention. 2019, February 28. Division for Heart Disease and Stroke Prevention. Background on Statewide Community Health Worker (CHW) Certification. <u>https://www.cdc.gov/dhdsp/pubs/toolkits/chw-ta-background.htm</u>

- Clark, D. (2022, January 1). A sacrificial lamb: Pandemic politics force out hundreds of public health officials. *NBC News*. <u>https://www.nbcnews.com/politics/politics-news/sacrificial-lamb-pandemic-politics-force-out-hundreds-public-health-officials-n1286268</u>
- Council on Education for Public Health. 2016. Accreditation Criteria: Schools of Public Health & Public Health Programs. <u>https://media.ceph.org/wp_assets/2016.Criteria.pdf</u>
- ChangeLab Solutions. 2019. A Roadmap for Health in All Policies: Collaborating to Win the Policy Marathon. <u>https://www.changelabsolutions.org/product/HiAP_Roadmap</u>
- Damio G., M. Ferraro, K. London, R. Pérez-Escamilla, and N. Wiggins. 2017. Addressing Social Determinants of Healththrough Community Health Workers: A Call to Action. Hartford: Hispanic Health Council. <u>https://www.cthealth.org/wp-content/uploads/2018/01/HHC-CHW-SDOH-Policy-Briefi-1.30.18.pdf</u>
- de Beaumont Foundation. n.d. Explore the data from PH Wins 2017. https://debeaumont.org/phwins/explore-the-data/
- de Beaumont Foundation. n.d. PH WINS. https://debeaumont.org/programs/ph-wins/
- de Beaumont Foundation. 2017. Building skills for a more strategic public health workforce: A call to action. Bethesda: de Beaumont Foundation. <u>https://debeaumont.org/wp-content/uploads/2019/04/Building-Skills-for-a-More-Strategic-Public-Health-Workforce.pdf</u>
- Dyjack, D.T., N. Botchwey, & E. Marziale. 2013. Cross-sectoral Workforce Development: Examining the Intersection of Public Health and Community Design. *Journal of Public Health Management and Practice* 19(1): 9. <u>https://doi.org/10.1097/phh.0b013e3182788cff</u>
- Gamache, R., Kharrazi, H., and Weinder, J.P. 2018. Public and population health informatics: The bridging of big data to benefit communities. *Yearb Med Inform* 27(1): 199-206. https://doi.org/10.1055/s-0038-1667081
- Johansson, E. 2017. Advancing equity through workforce intermediary partnerships: Best practices in manufacturing, services and transportation industries. *Jobs With Justice Education Fund.* <u>https://aflcio.org/sites/default/files/2017-11/WFAI_Equity-report_final.pdf</u>
- Kangovi, S. 2018, August 29. The Community Health Worker Boom. *NEJM Catalyst*. <u>https://catalyst.nejm.org/doi/full/10.1056/CAT.18.0102</u>
- Kangovi, S., Mitra, N., Norton, L., Harte, R., Zhao, X., Carter, T., Grande, D. and Long, J.A., 2018. Effect of community health worker support on clinical outcomes of low-income patients across primary care facilities: a randomized clinical trial. *JAMA internal medicine*, *178*(12), pp.1635-1643. <u>https://doi.org/10.1001/jamainternmed.2018.4630</u>
- Kangovi, S., Grande, D. and Trinh-Shevrin, C., 2015. From rhetoric to reality—community health workers in post-reform US health care. *The New England journal of medicine*, *372*(24), p.2277. <u>https://dx.doi.org/10.1056%2FNEJMp1502569</u>
- Marsh, R., Pilkington, P., and Rice, L. 2020. A guide to architecture for the public health workforce. *Public Health* 178: 120-123. <u>https://doi.org/10.1016/j.puhe.2019.09.013</u>

- National Academies of Sciences, Engineering, and Medicine. 2020. Action guide for public health practitioners: Strategies for engaging with and training community-based partners to improve the outcomes of at-risk populations, a review of evidence. https://www.nap.edu/resource/25650/PHEPR_Community-Based%20Partners_Action%20Guide.pdf
- National Academies of Sciences, Engineering, and Medicine. 2020. Engaging with and training community-based partners to improve the outcomes of at-risk populations. https://www.nap.edu/resource/25650/PHEPR_Community%20Based%20Partners.pdf
- Pittman, M., A. Sunderland, A. Broderick, and K. Barnett. 2014. Bringing Community Health Workers into the Mainstream of U.S. Health Care. Discussion Paper. Washington, DC: National Academy of Medicine. <u>https://nam.edu/wp-content/uploads/2015/06/chwpaper3.pdf</u>
- Public Health Foundation. n.d. Competencies for Population Health Professionals. http://www.phf.org/resourcestools/Pages/Population_Health_Competencies.aspx
- Plough, A. and P. Kuehnert. 2018, February 2. Making The Most Out Of Cross-Sector Collaboration. Health Affairs Blog. https://www.healthaffairs.org/do/10.1377/forefront.20180202.265650
- Public Health Accreditation Board. 2013. Standards and Measures v 1.5. Domain 8 Maintain a Competent Public Health Workforce, pgs 189-202. <u>https://www.phaboard.org/wp-content/uploads/2019/01/PHABSM_WEB_LR1.pdf</u>
- Ramiah, K, Roberson, B., Schrag, J., Susman, K., Siegel, B, and White, M. 2016. Population Health at Essential Hospitals: Findings from Moving to Action for Hospitals and Population Health.
 Washington, DC: Essential Hospitals Institute. <u>https://essentialhospitals.org/wpcontent/uploads/2016/11/RWJF-Report_HighRes.pdf</u>
- Rosenthal, E. L., P. Menking, and J. St. John.v2018. *The Community Health Worker Core Consensus (C3) Project: A Report of the C3 Project Phase 1 and 2, Together Leaning Toward the Sky. A National Project to Inform CHW Policy and Practice*. El Paso, TX: Texas Tech University Health Sciences Center. <u>https://www.c3project.org/_files/ugd/7ec423_2b0893bcc93a422396c744be8c1d54d1.pdf</u>
- Rudolph, L., J. Caplan, K Ben-Moshe, K., & Dillon, L. 2014. *Health in All Policies: A Guide for State and Local Governments*. Washington, DC and Oakland, CA: American Public Health Association and Public Health Institute. <u>http://www.phi.org/resources/?resource=hiapguide</u>
- Rush, C. 2020. Sustainable financing of community health worker employment. *The National Association of Community Health Workers* (NACHW). <u>https://nachw.org/wp-content/uploads/2020/10/SustainableFinancingReportOctober2020.pdf</u>
- Sharfstein, J. 2018. *The public health crisis survival guide: Leadership and management in trying times*. New York: Oxford University Press.
- The Community Health Worker Core Consensus Project. N.d. Resources and findings from the C3 project. <u>https://www.c3project.org/resources</u>
- Wesson, D., H. Kitzman, K. H. Halloran, and K. Tecson. 2018. Innovative Population Health Model Associated With Reduced Emergency Department Use And Inpatient Hospitalizations. *Health Affairs* 37(4): 543-550. <u>https://doi.org/10.1377/hlthaff.2017.1099</u>
- Wiggins, N., S. Kaan, T. Rios-Campos, R. Gaonkar, E. Rees Morgan, and J. Robinson. 2013. Preparing community health workers for their role as agents of social change: Experience of the Community

Capacitation Center. *Journal of Community Practice* 21(3): 186-202. https://doi.org/10.1080/10705422.2013.811622

Woolf. S., Chapan, D., Hill, L., Schoomaker, H., Wheeler, D., Smellings, L., Lee, J.H. 2018. Uneven opportunities How conditions for wellness vary across the metropolitan Washington region. VCU Center on Society and Health. <u>https://www.mwcog.org/documents/2020/10/26/unevenopportunities-how-conditions-for-wellness-vary-across-the-metropolitan-washington-region-healthhealth-data/</u>

PREVENTING DISCRIMINATION, HARASSMENT, AND BULLYING EXPECTATIONS FOR PARTICIPANTS IN NASEM ACTIVITIES

The National Academies of Sciences, Engineering, and Medicine (NASEM) are committed to the principles of diversity, integrity, civility, and respect in all of our activities. We look to you to be a partner in this commitment by helping us to maintain a professional and cordial environment. All forms of discrimination, harassment, and bullying are prohibited in any NASEM activity. This commitment applies to all participants in all settings and locations in which NASEM work and activities are conducted, including committee meetings, workshops, conferences, and other work and social functions where employees, volunteers, sponsors, vendors, or guests are present.

Discrimination is prejudicial treatment of individuals or groups of people based on their race, ethnicity, color, national origin, sex, sexual orientation, gender identity, age, religion, disability, veteran status, or any other characteristic protected by applicable laws.

Sexual harassment is unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature that creates an intimidating, hostile, or offensive environment.

Other types of harassment include any verbal or physical conduct directed at individuals or groups of people because of their race, ethnicity, color, national origin, sex, sexual orientation, gender identity, age, religion, disability, veteran status, or any other characteristic protected by applicable laws, that creates an intimidating, hostile, or offensive environment.

Bullying is unwelcome, aggressive behavior involving the use of influence, threat, intimidation, or coercion to dominate others in the professional environment.

REPORTING AND RESOLUTION

Any violation of this policy should be reported. If you experience or witness discrimination, harassment, or bullying, you are encouraged to make your unease or disapproval known to the individual, if you are comfortable doing so. You are also urged to report any incident by:

- Filing a complaint with the Office of Human Resources at 202-334-3400, or
- Reporting the incident to an employee involved in the activity in which the member or volunteer is participating, who will then file a complaint with the Office of Human Resources.

Complaints should be filed as soon as possible after an incident. To ensure the prompt and thorough investigation of the complaint, the complainant should provide as much information as is possible, such as names, dates, locations, and steps taken. The Office of Human Resources will investigate the alleged violation in consultation with the Office of the General Counsel.

If an investigation results in a finding that an individual has committed a violation, NASEM will take the actions necessary to protect those involved in its activities from any future discrimination, harassment, or bullying, including in appropriate circumstances the removal of an individual from current NASEM activities and a ban on participation in future activities.

CONFIDENTIALITY

Information contained in a complaint is kept confidential, and information is revealed only on a need-to-know basis. NASEM will not retaliate or tolerate retaliation against anyone who makes a good faith report of discrimination, harassment, or bullying.

Updated June 7, 2018