

Building Public Vaccine Confidence to Prevent COVID-19
Public Information Gathering Session for a Rapid Expert Consultation
PUBLIC AGENDA

Friday, December 18
11:30 am-4:00 pm ET

11:30 am – 1:00 pm OVERVIEW SESSION

11:30 am – 11:45 am Welcome and Framing
Helene D. Gayle, Chicago Community Trust
Co-Chair of the NASEM Committee on A Framework for Equitable Allocation of Vaccine for the Novel Coronavirus
Harvey V. Fineberg, Gordon and Betty Moore Foundation
Chair of the NASEM Standing Committee on Emerging Infectious Diseases and 21st Century Health Threats

11:45 am – 11:55 am *Framework for Equitable Allocation of Vaccine for the Novel Coronavirus: Recommendations for Communication and Engagement*
Alison Bутtenheim, University of Pennsylvania, *Committee Member*
Saad Omer, Yale University, *Committee Member*

11:55 am – 12:05 pm Current State of Vaccine Confidence
Mollyann Brodie, Kaiser Family Foundation

12:05 pm – 12:15 pm Reasons for Hesitancy and Factors of Confidence
Sandra Crouse Quinn, University of Maryland

12:15 pm – 12:25pm Best Practices for Engagement
Emily Brunson, Texas State University

12:25 pm – 12:35 pm Best Practices for Messaging
Robert Hornik, University of Pennsylvania

12:35 pm – 1:00 pm Panel Takeaways & Discussion
Moderator: Helene D. Gayle, Chicago Community Trust
'Kickoff' Discussant: Jeanne Ayers, Association of State and Territorial Health Officials

1:00 pm – 1:15 pm BREAK

1:15 – 4:00 pm	DISCUSSION SESSION Session Facilitator: Bridget B. Kelly, NASEM Session Discussants: Alison Buttenheim, University of Pennsylvania Jeanne Ayers, Association of State and Territorial Health Officials
1:15 – 2:00 pm	Building Vaccine Confidence in a Politicized and Polarized Context Panelist Remarks Brendan Nyhan, Dartmouth College Bernice L. Hausman, Pennsylvania State University College of Medicine Renee Di Resta, Stanford University Discussion and Audience Questions
2:00 pm – 2:10 pm	BREAK
2:10 pm – 3:05 pm	Building Vaccine Confidence to Advance Equity Panelist Remarks Julie Morita, Robert Wood Johnson Foundation Valerie Montgomery Rice, Morehouse School of Medicine Lee Norman, Kansas Department of Health and Environment Sonya M. Tetnowski, Indian Health Center of Santa Clara Valley Discussion and Audience Questions
3:05 pm – 3:15 pm	BREAK
3:15 pm – 3:50 pm	Sustaining Vaccine Confidence through Concerns about Vaccine Safety Panelist Remarks Daniel Salmon, Johns Hopkins University Lee Norman, Kansas Department of Health and Environment Discussion and Audience Questions
3:50 pm – 4:00 pm	Final Remarks and Adjournment

PANELISTS BIOGRAPHIES

Jeanne Ayers works at the Association of State and Territorial Health Officials (ASTHO), as Senior Advisor of VoteSAFE Public Health a coalition of 10 public health organizations committed to assuring participation in the electoral process is available to everyone. Before joining ASTHO in August 2020, Ayers held leadership roles in state governmental public health for over 9 years. She served as the Wisconsin State Health Officer and Administrator of the Division of Public Health and as the Assistant Commissioner and Chief Health Equity Strategist at the Minnesota Department of Health. Prior positions include director of nursing and preventive services and occupational health at the University of Minnesota, Boynton Health Service. She worked in professional continuing education for 15 years and founded and directed the Centers for Public Health Education and Outreach at the School of Public Health, University of Minnesota. Jeanne has long been a recognized leader in national efforts to assure health and racial equity and improve population health. She was selected as the 2010 University of Minnesota Josie R. Johnson Human Rights and Social Justice Award winner for her work on health and racial equity and was responsible for development of the Minnesota Department of Health, award-winning report “Advancing Health Equity in Minnesota: A report to the State Legislature”. Jeanne has worked extensively with government, academia, health care, community groups and broad-based community organizers to deepen the public understanding of the social determinants of health and their relationship to race, place, class and power. Jeanne led the health equity work of the faith-based organizing group, ISAIAH, and launched and directed the Healthy Heartland Initiative, a partnership of community organizing groups and public health organizations in five Midwest states working collaboratively to build their capacity to impact public policy. Jeanne lives near St. Paul, Minnesota. She has three children and two grandchildren and is a partner, with her sisters, in an operating family farm in Central Minnesota. She earned a Bachelor of Science in Nursing from Marquette University and a Master’s in Public Health from the University of Minnesota. Jeanne describes the focus of her work as building collective capacity or power to assure the conditions necessary for health are available for all.

Mollyann Brodie is Executive Vice President and Chief Operating Officer at the Henry J. Kaiser Family Foundation and Executive Director of KFF’s Public Opinion and Survey Research Program. As COO, Dr. Brodie oversees KFF’s budgeting, human resources, facilities management, and the executive operations of the President’s Office and Board of Trustees. As ED of Public Opinion and Survey Research, she oversees KFF’s polling work including the monthly Health Tracking Poll and ongoing survey partnerships with news media organizations. A distinguished public opinion scholar, Dr. Brodie’s research efforts focus on understanding the U.S. public’s views and knowledge on health care policy issues, and the role of opinion in health policy debates. Her research has been published in the Journal of the American Medical Association; New England Journal of Medicine; Journal of Health Politics, Policy, and Law; and Health Affairs. She is co-editor of the book American Public Opinion and Health Care (CQ Press, 2011). Dr. Brodie is a Past President of the American Association for Public Opinion Research (AAPOR) and the 2018 recipient of the Roper Center’s Warren J. Mitofsky Award for Excellence in Public Opinion Research. She received a M.S. in Health Policy and Management and a Ph.D. in Health Policy from Harvard University.

Emily Brunson is a medical anthropologist. She received an MPH in epidemiology and a PhD in anthropology from the University of Washington. Currently Dr. Brunson an Associate Professor in the Department of Anthropology at Texas State University. Her primary research focus is health care access and decision-making, and particularly how policies, social structures (including class and racial

inequalities), social networks and personal experience combine to produce health outcomes for individuals. Currently, Dr. Brunson is co-leading CommuniVax, a national coalition to strengthen the role and involvement of local Black, Indigenous and Latinx communities in an equitable COVID-19 vaccination campaign. She is also actively engaged in research on COVID-19 vaccination among college students and in efforts promoting minority students' opportunities for research experiences and professional training.

Alison Buttenheim is Associate Professor of Nursing and Health Policy at the University of Pennsylvania. Dr. Buttenheim is a leading expert in the application of behavioral economics to infectious disease prevention. Her research agenda has focused on vaccine acceptance and vaccine exemption policy in the US, zoonotic disease prevention in Peru, and HIV prevention in South Africa. She is Associate Director of Penn's Center for Health Incentives and Behavioral Economics, as well as Associate Director of Penn's National Clinician Scholar Program, and Director of Engagement at the Leonard Davis Institute of Health Economics at the University of Pennsylvania. She was recently appointed as Commissioner to the Lancet Commission on Vaccine Refusal, Acceptance, and Demand in the United States. Dr. Buttenheim holds a Ph.D. in Public Health from the University of California, Los Angeles, and an MBA from the Stanford University Graduate School of Business.

Renée DiResta is the technical research manager at Stanford Internet Observatory, a cross-disciplinary program of research, teaching and policy engagement for the study of abuse in current information technologies. Renee investigates the spread of malign narratives across social networks, and assists policymakers in devising responses to the problem. Renee has studied influence operations and computational propaganda in the context of pseudoscience conspiracies, terrorist activity, and state-sponsored information warfare, and has advised Congress, the State Department, and other academic, civil society, and business organizations on the topic. At the behest of SSCI, she led one of the two research teams that produced comprehensive assessments of the Internet Research Agency's and GRU's influence operations targeting the U.S. from 2014-2018. Renée regularly writes and speaks about the role that tech platforms and curatorial algorithms play in the proliferation of disinformation and conspiracy theories. She is an Ideas contributor at Wired. Her tech industry writing, analysis, talks, and data visualizations have been featured or covered by numerous media outlets including the New York Times, Washington Post, CNN, CNBC, Bloomberg, Yale Review, Fast Company, Politico, TechCrunch, Wired, Slate, Forbes, BuzzFeed, The Economist, Journal of Commerce, and more. She is a 2017 Presidential Leadership Scholar, a 2019 Truman National Security Project security fellow, and a Council on Foreign Relations term member. Renée is the author of *The Hardware Startup: Building your Product, Business, and Brand*, published by O'Reilly Media. Previously, Renée was the Director of Research at New Knowledge. Renée has degrees in Computer Science and Political Science from the Honors College at SUNY Stony Brook. She is a 2017 Presidential Leadership Scholar, a Council on Foreign Relations term member, and a Truman National Security Fellow. She is a Staff Associate at the Columbia University Data Science Institute, a Harvard Berkman-Klein Center affiliate, and is a Founding Advisor to the Center for Humane Technology. She is passionate about STEM education and childhood immunization advocacy, and is one of the co-founders of parent advocacy organization Vaccinate California.

Harvey Fineberg is the president of the Gordon and Betty Moore Foundation, which fosters path-breaking scientific discovery, environmental conservation, improvements in patient care and preservation of the special character of the San Francisco Bay Area. He previously held the Presidential Chair for 2014-2015 as visiting professor at the University of California, San Francisco. Prior to that, he served as president of the Institute of Medicine from 2002 to 2014 and as provost of Harvard University from 1997 to 2001, following 13 years as dean of the Harvard School of Public Health. He has devoted most of his academic career to the fields of health policy and medical decision-making. His past research has focused on the

process of policy development and implementation, assessment of medical technology, evaluation and use of vaccines, and dissemination of medical innovations. Dr. Fineberg chairs the board of the Carnegie Endowment for International Peace and serves on the boards of the William and Flora Hewlett Foundation and the China Medical Board. He helped found and served as president of the Society for Medical Decision Making and also served as consultant to the World Health Organization. Dr. Fineberg is co-author of the books *Clinical Decision Analysis*, *Innovators in Physician Education* and *The Epidemic That Never Was*, an analysis of the controversial federal immunization program against swine flu in 1976. He has co-edited several books on such diverse topics as AIDS prevention, vaccine safety, understanding risk in society and global health. He has also authored numerous articles published in professional journals. He is the recipient of several honorary degrees—the Frank A. Calderone Prize in Public Health, the Henry G. Friesen International Prize in Health Research and the Harvard Medal, awarded by the alumni association of the university from which he earned his bachelor's and doctoral degrees.

Helene D. Gayle has been president and CEO of The Chicago Community Trust, one of the nation's oldest and largest community foundations, since October 2017. Under her leadership, the Trust has adopted a new strategic focus on closing the racial and ethnic wealth gap in the Chicago region. For almost a decade, she was president and CEO of CARE, a leading international humanitarian organization. An expert on global development, humanitarian and health issues, Dr. Gayle spent 20 years with the Centers for Disease Control, working primarily on HIV/AIDS. She worked at the Bill & Melinda Gates Foundation, directing programs on HIV/AIDS and other global health issues. She also launched the McKinsey Social Initiative (now [McKinsey.org](https://www.mckinsey.org)), a nonprofit that builds partnerships for social impact. Dr. Gayle was born and raised in Buffalo, NY. She earned a B.A. in psychology at Barnard College, an M.D. at the University of Pennsylvania and an M.P.H. at Johns Hopkins University. She has received 18 honorary degrees and holds faculty appointments at the University of Washington and Emory University. She serves on public company and nonprofit boards, including The Coca-Cola Company, Colgate-Palmolive Company, Brookings Institution, Center for Strategic and International Studies, New America, ONE Campaign, Federal Reserve Bank of Chicago, and Economic Club of Chicago. She is a member of the American Academy of Arts and Sciences, Council on Foreign Relations, American Public Health Association, National Academy of Medicine, National Medical Association, and American Academy of Pediatrics. She has authored numerous articles on global and domestic public health issues, poverty alleviation, gender equality, and social justice.

Bernice L. Hausman is professor and Chair of the Department of Humanities, at Penn State College of Medicine. Dr. Hausman has a background in literature and women's studies. She has been researching medicine and culture since the early 1990s and writes specifically on medical controversies in the public sphere. Her research areas include medical technology and ideas about gender, breastfeeding and infant feeding debates, HIV transmission through breastfeeding, and vaccination controversy. She addresses the cultural contexts in which medical controversies are staged, exploring the ways in which people engage in and make sense of them. Her most recent work challenges public health and the public to understand vaccine dissent as a persistent and culturally meaningful aspect of modern societies. Her scholarly articles have been published in a number of peer-reviewed journals, including *Yale Journal of Biology and Medicine*, *Journal of Medical Humanities*, *New Literary History*, *Narrative Inquiry in Bioethics*, among others. Since 2010, she has led a team of student researchers in studying various aspects of vaccination controversy. Before coming to Penn State College of Medicine in 2018, Dr. Hausman was on the faculty at Virginia Tech, where she directed the Medicine and Society minor from 2005 to 2013.

Robert Hornik is the Wilbur Schramm Professor of Communication and Health Policy at the Annenberg School for Communication, at the University of Pennsylvania. He has been principal investigator for more than \$40 million in NIH and USAID funding. He has led the evaluation of more than 20 public health communication campaigns throughout the world including those focused on child survival, HIV prevention, and tobacco use. He is the author of *Development Communication*, edited *Public Health Communication: Evidence for Behavior Change*, and co-edited *Prediction and Change of Health Behavior*, as well as more than 150 refereed articles and papers. He has served on five US National Academy of Sciences Committees, is a Fellow of the International Communication Association, and received the Derryberry Award from the American Public Health Association and the Lindback award for distinguished teaching at Penn. He was co-director of the Penn Tobacco Center of Regulatory Science (TCORS) from 2013-2018, and he led the Center of Excellence in Cancer Communication Research (CECCR) at Penn from 2003-2014. Recently completed research examined how Americans are affected by their exposure to information about cancer prevention, screening, and treatment. Current research projects include: 1) a multi-year study of the effects of new and old media content on tobacco beliefs and behavior among youth and young adults, 2) COVID-related survey research about the behavioral effects of misinformation, and 3) development and validation of methods to choose preferred message themes for communication campaigns.

Bridget B. Kelly is principal consultant of Burke Kelly Consulting. She specializes in integrating multiple information sources, analysis methods, and modes of engagement to grapple with complex questions for policy analysis, evaluation, and strategy development. She worked previously at the National Academies of Sciences, Engineering, and Medicine leading a portfolio that included early childhood, mental health, chronic diseases, HIV, and evaluation science. Her projects included, among others, the 2010 report *Promoting Cardiovascular Health in the Developing World*, the 2013 *Evaluation of PEPFAR*, the 2015 report *Transforming the Workforce for Children Birth Through Age 8*, and the launch of the annual DC Public Health Case Challenge. In her last position at the Academies she served as the interim director of the Board on Children, Youth, and Families. More recently she co-founded the nonprofit *Bridging Health & Community*, with the mission of helping the health sector work more effectively with communities. Her formal education includes training in medicine and developmental neurobiology through an MD and PhD from Duke University, preceded by a BA from Williams College. She is also an experienced dancer, choreographer, and grassroots arts administrator.

Valerie Montgomery Rice is the president and dean of Morehouse School of Medicine. Dr. Montgomery Rice provides a valuable combination of experience at the highest levels of patient care and medical research, as well as organizational management and public health policy. Marrying her transformational leadership acumen and strategic thinking to tackle challenging management issues, she has a track record of redesigning complex organizations' infrastructures to reflect the needs of evolving strategic environments and position the organization for success through sustainability tactics. The sixth president of Morehouse School of Medicine (MSM) and the first woman to lead the freestanding medical institution, Montgomery Rice serves as both the president and dean. A renowned infertility specialist and researcher, she most recently served as dean and executive vice president of MSM, where she has served since 2011. Prior to joining MSM, Montgomery Rice held faculty positions and leadership roles at various health centers, including academic health centers. Most notably, she was the founding director of the Center for Women's Health Research at Meharry Medical College, one of the nation's first research centers devoted to studying diseases that disproportionately impact women of color. Dedicated to the creation

and advancement of health equity, Montgomery Rice lends her vast experience and talents to programs that enhance pipeline opportunities for academically diverse learners, diversifies the physician and scientific workforce, and fosters equity in health care access and health outcomes. To this end, she holds memberships in various organizations and participates on a number of boards, such as the following: member, National Academy of Medicine, the Association of American Medical Colleges Council of Deans, and the Horatio Alger Association and board of directors for The Metro Atlanta Chamber, Kaiser Permanente School of Medicine, The Nemours Foundation, UnitedHealth Group, Westside Future Fund, Josiah Macy Jr. Foundation, Headspace, and CARE. Montgomery Rice has received numerous accolades and honors. She was named to the Horatio Alger Association of Distinguished Americans and received the 2017 Horatio Alger Award. For three consecutive years (2016-2018) Georgia Trend Magazine selected Montgomery Rice as one of the 100 Most Influential Georgians. Other honors include the following: The Dean Griffin Community Service Award from the Georgia Institute of Technology, Girls Inc. 2019 Smart Award, The National Medical Association OB/GYN 2019 Legend of the Section Award, The Turknett Leadership Character Award (2018), Visions of Excellence Award, Atlanta Business League (2018), Links Incorporated Co-Founders Award (2018), Trumpet Vanguard Award (2015), The Dorothy I. Height Crystal Stair Award (2014), National Coalition of 100 Black Women - Women of Impact (2014), YWCA – Women of Achievement of Atlanta-(2014) and Nashville(2007), American Medical Women's Association Elizabeth Blackwell Medal (2011) and Working Mother Media Multicultural Women's Legacy Award (2011). A Georgia native, Montgomery Rice holds a bachelor's degree in chemistry from the Georgia Institute of Technology, a medical degree from Harvard Medical School, an honorary degree from the University of Massachusetts Medical School and a Doctor of Humane Letters honorary degree from Rush University. All reflect her lifetime commitment to education, service, and the advancement of health equity. She completed her residency in obstetrics and gynecology at Emory University School of Medicine and her fellowship in reproductive endocrinology and infertility at Hutzel Hospital.

Julie Morita is executive vice president of the Robert Wood Johnson Foundation (RWJF), where she oversees all programming, policy, research and communications activities. As the nation's largest private philanthropy dedicated solely to improving the nation's health, RWJF is focused on building a comprehensive Culture of Health that provides everyone in America a fair and just opportunity to live the healthiest life possible. Knowing many factors, such as clean air and water, access to healthy food, safe housing, secure employment, education, and quality health care, contribute to the well-being of our nation, the Foundation concentrates on advancing health equity by eliminating barriers to health, including discrimination. Before joining RWJF, Dr. Morita helped lead the Chicago Department of Public Health for nearly two decades, first as a medical director, then as chief medical officer. In 2015, she was appointed to the department's top position, commissioner. In that role, she oversaw the public health needs of 2.7 million residents in the nation's third largest city. As commissioner, she led the development and implementation of Healthy Chicago 2.0, a four-year health improvement plan focused on achieving health equity by addressing the conditions in which people live, learn, work and play. The plan was based on RWJF's Culture of Health framework. As medical director, Morita's top priority was reducing disparities in immunization coverage levels among children and adults in Chicago. She implemented systems to identify communities with the lowest rates of immunization and to provide families in those areas with information about, and access to, critical vaccines. Additionally, Morita led several policy initiatives to reduce tobacco usage among teens, including raising the legal age to purchase tobacco products to 21. Dr. Morita has served on many state, local, and national health committees, including the CDC's Advisory Committee on Immunization Practices, and the National Academy of Sciences' Committee on Community Based Solutions to Promote Health Equity in the United States. She is a member of the American Academy of Pediatrics and the National Foundation for Infectious Diseases Board of Directors. Morita began her medical career as a pediatrician in Tucson, Ariz., before moving into public health as an Epidemic

Intelligence Service officer at the Centers for Disease Control and Prevention in Atlanta (CDC). Influenced deeply by her own family history, Dr. Morita has been a lifelong advocate of equity issues. As children, both of her parents, Mototsugu and Betty Morita, were detained in Japanese internment camps during World War II. They and their extended families were uprooted from their homes, communities, and jobs in the states of Washington and Oregon and transferred to a detention camp in Idaho. Having grown up hearing stories about the harsh and unjust treatment her grandparents, parents, and thousands of others endured, Dr. Morita has used that knowledge to pursue health equity in every aspect of her work. Born and raised in Chicago, Morita earned her undergraduate degree in biology from the University of Illinois, and her medical degree from the University of Illinois at Chicago Medical School. She completed her residency at the University of Minnesota.

Lee A. Norman is the Secretary of the Kansas Department of Health and Environment (KDHE), appointed by Governor Laura Kelly. KDHE has three divisions, including Health, Environment and Healthcare Finance, which includes the Medicaid program (KanCare) and the State Employee Health Plan. Dr. Norman received his medical degree from the University of Minnesota, did his residency in family medicine in Texas and his aerospace medicine training in the United States Air Force at Brooks AFB in San Antonio. After serving in the USAF as a family physician, flight surgeon, and combat medicine instructor, he practiced medicine in Seattle for 20 years, also serving as clinical associate professor at the University of Washington School of Medicine. Dr. Norman has served as a chief medical officer for over 26 years, most recently at the University of Kansas Health System and before that the Swedish Health System in Seattle, beginning in 1991. He currently is clinical assistant professor at the University of Kansas School of Medicine. Dr. Norman is a past board member and Chair of the Puget Sound Blood Center in Seattle and has served, additionally, on the governing board of Heart to Heart International, a humanitarian organization based in Lenexa, Kansas. In his military role, Dr. Norman is a colonel in the Kansas Army National Guard, stationed at Joint Forces Headquarters in Topeka, Kansas, reporting to the State of Kansas Adjutant General. COL Norman, as the State Surgeon of Kansas, guides medical troop sustainment and training, health services support, force health protection, biosecurity, and serves as advisor and liaison to the Kansas Department of Emergency Management and Homeland Security. He is an advisor to the Kansas Intelligence Fusion Center. In 2018 he returned from a Middle East US Army deployment where he was the 35th Infantry Division Surgeon. In this role he was the senior medical commander over 12,000 U.S. soldiers encompassing three named operations - Freedom Sentinel, Spartan Shield and Inherent Resolve. Additionally, Dr. Norman serves on the Defense Health Board as an advisor to the U.S. Secretary of Defense. Dr. Norman has two masters' degrees, one in health planning and systems analysis from the University of California, Davis School of Medicine, and an executive MBA degree from the University of Washington Graduate School of Business.

Brendan Nyhan is a professor in the Department of Government at Dartmouth College whose research focuses on misperceptions about politics and health care, including misinformation about vaccines. He has been named an Andrew Carnegie Fellow by the Carnegie Corporation of New York and a Belfer Fellow by the Anti-Defamation League and is a co-founder of Bright Line Watch, a non-partisan group monitoring the state of American democracy, and a contributor to *The Upshot* at *The New York Times*. Dr. Nyhan received his Ph.D. from Duke University and previously served as Professor of Public Policy at the University of Michigan. He also co-authored *All the President's Spin*, a *New York Times* bestseller, and served as a media critic for *Columbia Journalism Review*.

Saad B. Omer is the director of the Yale Institute for Global Health, a Professor of Medicine and Epidemiology at Yale University, Schools of Medicine and Public Health and an Adjunct Professor at Yale School of Nursing. He has conducted studies in the United States, Guatemala, Kenya, Uganda, Ethiopia,

India, Pakistan, Bangladesh, Australia and South Africa. Dr Omer's research portfolio includes epidemiology of respiratory viruses such as influenza, RSV, and - more recently - SARS-Cov-2 (COVID-19); clinical trials to estimate efficacy of maternal and/or infant influenza, pertussis, polio, measles and pneumococcal vaccines; and trials to evaluate drug regimens to reduce mother-to-child transmission of HIV. Moreover, he has conducted several studies on interventions to increase immunization coverage and acceptance. His work has also included public health preparedness strategies to effectively respond to large emerging and re-emerging infectious disease outbreaks. Dr Omer's work has been cited in global and country-specific policy recommendations and has informed clinical practice and health legislation in several countries. Dr. Omer is the Co-Chair of the Lancet Commission on Vaccine Hesitancy in the US, serves on the National Vaccine Advisory Committee (NVAC) Working Group for Vaccine Hesitancy and is on the Board of Trustees for the Sabin Vaccine Institute. He is also a member of the WHO Global Advisory Committee on Vaccine Safety, the WHO Strategic Advisory Group of Experts (SAGE) Working Group on COVID-19 Vaccines, and the WHO SAGE Working Group on Measles and Rubella Vaccines. Dr. Omer is also currently an academic affiliate for the GAO's Office of Evaluation Sciences. He has previously served on several advisory panels including the U.S. National Vaccine Advisory Committee, Presidential Advisory Council on Combating Antibiotic-Resistant Bacteria - Vaccine Innovation Working Group, WHO Expert Advisory Group for Healthcare Worker Vaccination, and the Public Health Committee of the Infectious Diseases Society of America.

Sandra Crouse Quinn is professor and chair of the Department of Family Science and Senior Associate Director of the Maryland Center for Health Equity, School of Public Health at the University of Maryland. She is co-principal investigator on a MPowering the State (MPower) grant, "Predicting and Improving COVID-19 Vaccine Acceptance Among African Americans during the Coronavirus Pandemic." She is also one of four key leads on the Research Committee, co investigator of a local research team in Prince George's County, MD, and a member of the larger Working Committee on a Chan-Zuckerberg Initiative grant, "The Community's Role in an Equitable and Effective COVID-19 Vaccination Rollout" (Schoch-Spana and Brunson, PIs). She has been the PI on CDC, NIH and FDA grants focused on vaccine acceptance and vaccine disparities. During the 2009-2010 H1N1 influenza pandemic, she led two national surveys, becoming the first to examine public attitudes toward emergency use authorizations for drugs and vaccines and to test an empirical model of disparities in exposure, susceptibility and access to care during a pandemic. She is an appointed member of a National Academies of Science committee on Evidence-Based Practices for Public Health Emergency Preparedness and Response (2018-2020). She is currently a member of the NIH funded, COVID-19 Prevention Network expert panel on older adults and the Maryland SARS CoV-2 Vaccine Technical Advisory Group. Her research interests include vaccine acceptance in routine and emergency situations; racial disparities in vaccine uptake; crisis and emergency risk communication with a specific focus on minority populations; and engagement of minority and marginalized communities in research.

Daniel A. Salmon is director of the Institute for Vaccine Safety, has training, research and practice interests in epidemiology and health policy. He has focused on post-licensure vaccine safety and the factors associated with parental decisions to vaccinate or not vaccinate their children. Dr. Salmon served as the Director of Vaccine Safety at the National Vaccine Program Office, where he was responsible for overseeing and coordinating federal vaccine safety activities. Dr. Salmon has conducted a broad range of studies examining the safety of vaccines, the rates of vaccine refusal, the reasons why parents refuse vaccines, the impact of health care providers and local and state policies on vaccine refusal and the individual and community risks of unvaccinated children. Dr. Salmon is widely published in the medical literature. Dr. Salmon is a professor in the Department of International Health where he also coordinates the PhD program in Global Disease Epidemiology and Control.

Sonya Tetnowski is a Makah Tribal Member and was raised and went to school on her reservation in Neah Bay, Washington. Sonya is the Chief Executive Officer of the [Indian Health Center of Santa Clara Valley](#) serving over 22,000 patients through a team of 250 employees. Upon completion of her high school education, she attended Concordia University in Portland, Oregon where she received her Bachelor of Science degree in Business Management and a Master's in Business Administration and Finance. She was also in the U. S. Army where she served as a Special Operations Sargent and U. S. Paratrooper (Airborne). While serving in the Army, she met and married her husband Michael. Michael and Sonya have 2 children, Angela and Michael (Buddy) and one Grandson, Donavon. Sonya serves as the Board President of the California Consortia of Urban Indian Health (CCUIH), and serves as the President-elect for the National Council of Urban Indian Health (NCUIH) which is an organization devoted to the support and development of quality, accessible, and culturally-competent health services for American Indians and Alaska Natives living in urban settings. Sonya has always worked for the betterment of American Indians and Alaska Natives in every position she has held over the course of her career. She continues to navigate this through new and innovative ways to advocate for and provide health resources to the AI/AN and the greater community.