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HEALTH AND MEDICINE DIVISION
Board on Health Sciences Policy

**Forum on Medical and Public Health Preparedness
for Disasters and Emergencies**

Member Biographies

Dan Hanfling, M.D., (Co-Chair) is a consultant on emergency preparedness, response and crisis management. He is a Contributing Scholar at the Johns Hopkins Bloomberg School of Public Health Center for Health Security, Clinical Professor of Emergency Medicine at George Washington University and adjunct faculty at the George Mason University School of Public Policy. He also serves as a Special Advisor within the Office of the Assistant Secretary (HHS) for Preparedness and Response (ASPR), focused chiefly on the National Hospital Preparedness Program. Dr. Hanfling spent 18 years as principal consultant to the Inova Health System (Falls Church, VA) on matters related to emergency preparedness and response. He continues to practice emergency medicine at Inova Fairfax Regional Trauma Center, and is an operational medical director for a regional helicopter EMS service. He was instrumental in founding one of the nation's first healthcare coalitions, the Northern Virginia Hospital Alliance, created in October 2002. His areas of expertise include biodefense and mass casualty management, catastrophic disaster response planning with particular emphasis on scarce resource allocation, and the nexus between healthcare system planning and emergency management. In addition to his hospital and EMS clinical responsibilities, he serves as a Medical Team Manager for the Fairfax County based FEMA and USAID sanctioned international urban search and rescue team (VATF-1, USA-1), and has responded to catastrophic disaster events across the globe. Dr. Hanfling received his undergraduate degree in political science from Duke University, including a General Course at the London School of Economics, and completed his medical degree at Brown University. He completed his internship in Internal Medicine at Brown University and his emergency medicine training at the combined George Washington and Georgetown University residency program. He has been Board Certified in Emergency Medicine since 1997.

Suzet M. McKinney, Dr.PH, M.P.H., (Co-Chair) currently serves Executive Director of the Illinois Medical District Commission (IMDC). Previously, Dr. McKinney served as Deputy Commissioner of the Bureau of Public Health Preparedness and Emergency Response at the Chicago Department of Public Health (CDPH), where she oversaw the emergency preparedness efforts for the Department and coordinates those efforts within the larger spectrum of the City of Chicago's Public Safety activities, in addition to overseeing the Department's Division of Women and Children's Health. Dr. McKinney is the former Sr. Advisor for Public Health and Preparedness at the Tauri Group, where she provided strategic and analytical consulting services to the U.S. Department of Homeland Security (DHS), BioWatch Program. Her work at DHS included providing creative, responsive and operationally based problem-solving for public health, emergency management and homeland security issues, specifically chemical and biological early detection systems and the implementation of those systems at the state and local levels. Prior to this appointment, she served two years as the Deputy Commissioner of the Bureau of Public Health Preparedness and Emergency Response at the Chicago Department of Public Health, where she spearheaded Chicago's efforts as the field test site for DHS's Generation-3 autonomous biological detection system technology. Dr. McKinney serves on numerous committees and advisory boards. Most recently, she was appointed to the Board of Scientific Counselors for the U.S. Centers for Disease Control, Office of Public Health Preparedness and Response, as well as the Federal Emergency

Management Agency's (FEMA) National Advisory Council (NAC). She is a member of the U.S. Department of Health and Human Services' Healthcare Sector Coordinating Council, the Institute of Medicine's (IOM) Forum on Medical and Public Health Preparedness for Catastrophic Events and the IOM's Standing Committee on Health Threats Resilience. She served as an Incident Commander for CDPH and was a member of Chicago's Incident Management Team. She has been responsible for leading multiple emergency response efforts, including the city's current Ebola response; the operational response to the 2009 H1N1 outbreak, with the set-up and operation of over 100 mass vaccination clinics, which were successful in vaccinating nearly 100,000 residents over a six week timeframe; as well as CDPH's participation in the 2012 NATO Summit response and the 2010 Haiti Earthquake response. Dr. McKinney has earned a reputation as an experienced, knowledgeable public health official with exceptional communication skills. She has served as an on-camera media expert on emergency issues including biological and chemical threats, natural disasters, pandemic influenza, and climate-related emergencies. A sought after expert in her field, she also provides support to the U.S. Department of Defense, Defense Threat Reduction Agency, to provide subject matter expertise in biological terrorism preparedness to the country of Poland. In academia, Dr. McKinney serves as an Instructor in the Division of Translational Policy and Leadership Development at Harvard University's T.H. Chan School of Public Health and as Adjunct Assistant Professor of Community Health Sciences at the University of Illinois at Chicago School of Public Health. She also serves as a mentor for the Biomedical Sciences Careers Project, also at Harvard University. Dr. McKinney holds her Doctorate degree from the University of Illinois at Chicago School of Public Health, with a focus on preparedness planning, leadership and workforce development. She received her Bachelor of Arts in Biology from Brandeis University (Waltham, MA) where she was also a Howard Hughes Fellow. She received her Master of Public Health degree (Health Care Administration) and certificates in Managed Care and Health Care Administration from Benedictine University in Lisle, IL.

Roy L. Alson, M.D., Ph.D., is an Associate Professor of Emergency Medicine at Wake Forest University School of Medicine and an attending physician in Wake Forest Baptist's Level-one trauma center. He began his career as an EMT in New York in the 1970's and now serves as the Medical Director for Forsyth County EMS, having served in that role since 2003. A native of New York, New York Dr. Alson is a 1974 graduate of the University of Virginia, B.A. (Biology) with Distinction, a 1982 graduate of the Bowman Gray School of Medicine of Wake Forest University, Ph.D. (Physiology) Minor: Pharmacology. He received his M.D. in 1985 from the Bowman Gray School of Medicine of Wake Forest University. Dr. Alson completed his postdoctoral training at the Department of Emergency Medicine - Allegheny General Hospital, Pittsburgh, Pennsylvania where he served as Chief Resident from July 1987 - June 1988. He returned to Winston-Salem, NC in 1988. Dr. Alson is certified by the American Board of Emergency Medicine and is a fellow of the American College of Emergency Medicine and the American Academy of Emergency Medicine. He serves as the Medical Advisor to the NC State Medical Response System and Hospital Preparedness Program in the NC Office of EMS. Dr. Alson has served with the National Disaster Medical System for over 20, serving as both Deputy Commander and Commander of the NC-1 DMAT and now is a member of the IMSURT-E. He has been active in Disaster Medical Response planning at the State and Regional Level. Nationally he has been the Chair of ACEP's Disaster Preparedness and Response Committee from 2010 to 2013 and now serves as Vice-Chair of the NAEMSP Disaster Committee. Dr. Alson interests, in addition to Disaster Preparedness and Response, includes pre-hospital trauma care and he is a contributing author and now Co-Editor of the "International Trauma Life Support" textbook and course. He has lectured nationally and internationally on these topics.

Stacey J. Arnesen, M.S., is the Head (Chief) of the Office of the Disaster Information Management Research Center (DIMRC) in the Specialized Information Services Division of the National Library of Medicine. DIMRC coordinates NLM's efforts in emergency preparedness and response, including the development of tools and resources such as the Wireless Information System for Emergency Responders (WISER, a tool for hazmat incidents), the Radiation Event Medical Management (REMM); research in

the areas of communication, training, and coordination; collection and organization of the disaster literature; and continuity of operations for health science libraries. Ms. Arnesen has over 20 years of experience in information management at NLM and has coordinated several NLM programs on disaster information including the Central American Network for Disaster and Health Information and serves on the advisory committee for the Bethesda Hospitals Emergency Preparedness Partnership. She received her bachelor's degree from Smith College and her M.S. from Cornell University.

Pamela Blackwell, RN, is Director, Center for Emergency Preparedness & Response for Cobb/Douglas Boards of Health. Mrs. Blackwell has 45 years' experience in Emergency Medicine and Trauma care and served as the State Trauma Director for Georgia in the Office of EMS. The Center for Emergency Preparedness supports the "all-hazards" approach to planning and response and also recognizes the current emphasis on threats from biological/chemical/nuclear/radiological/pandemic influenza incidents. She lectures locally, State and nationally regarding the roles and responsibilities of local Public Health as the lead for ESF 8 Health and Medical. She served as the Operations Section Chief for the responses to Katrina and Rita hurricanes and the Haiti relief missions at the National Disaster Medical System, Patient Reception are at Dobbins Air Reserve Base. Over 1900 patients, evacuees and pets were received via military jets and Delta humanitarian flights for Katrina and over 400 from Rita and 51 critical patients from Haiti during the operations. She has served in a lead role for the H1N1 response in 2009, the catastrophic floods in Atlanta in 2009, and strategic and operational planning for multiple air shows on Dobbins Air Reserve Base. She serves on many NACCHO and CDC planning and operational committees.

Eric C. Blank, Dr.PH, M.P.H., is the Senior Director, Public Health Programs and Systems for the Association of Public Health Laboratories (APHL). He provides direction, guidance and general oversight for APHL's infectious disease, preparedness and response, environmental health and newborn screening programs. In addition, he oversees APHL's programs in informatics, quality management and its international activities. Prior to his joining APHL, Dr. Blank held various positions in several health agencies and served as the director of the Missouri State Public Health Laboratory for 21 years. Dr. Blank received his B.S in Bacteriology from Utah State University and earned his M.P.H. and Dr.P.H. in Laboratory Practice from the University of North Carolina at Chapel Hill.

Brooke Courtney, J.D., M.P.H., is Senior Regulatory Counsel in FDA's Office of Counterterrorism and Emerging Threats in the Office of the Commissioner, where she works on legal, regulatory, and policy issues associated with state, federal, and global medical countermeasure (MCM) efforts for responding to catastrophic health emergencies. She previously served as the director of the Baltimore City Health Department's Office of Public Health Preparedness and Response, and also held positions at the Center for Health Security, the American Red Cross, and Pfizer. Ms. Courtney was selected as a member of the IOM crisis standards of care committee in 2009 and as a term member of the Council on Foreign Relations (2010-2015). She is the lead author of the MCM chapter in *FOOD AND DRUG LAW AND REGULATION* (2d ed.). Ms. Courtney serves on the board of directors of the Yale School of Public Health Alumni Association and was a founding member and co-chair of the board of the Yale Alumni Service Corps, which provides international volunteer service opportunities and scholarships. Her M.P.H. is from Yale University and her J.D. and Health Law Certificate are from the University of Maryland Carey School of Law. She is admitted to practice law in the District of Columbia and Maryland.

Richard N. Danila, Ph.D., M.P.H., received a Master of Public Health degree in epidemiology from the University of Michigan in 1985, and a Ph.D. in epidemiology from the University of Minnesota in 1989. He has worked in infectious disease epidemiology at the Minnesota Department of Health since 1985 and is currently the Deputy State Epidemiologist. He has managed a staff of over 40 professionals including physicians, veterinarians, and Master's and doctoral-trained epidemiologists. He is the Principal Investigator of the U.S. Centers for Disease Control and Prevention (CDC) Emerging Infections Program

Cooperative Agreement and the CDC Epidemiology and Laboratory Capacity Cooperative Agreement. Dr. Danila is also an Adjunct Associate Professor at the University of Minnesota School of Public Health Division of Epidemiology. Dr. Danila been a consultant to CDC on multiple infectious disease issues including HIV prevalence, bioterrorism, anthrax, and emerging infections, and is currently the Council of State and Territorial Epidemiologists (CSTE) representative to the Association of State and Territorial Health Officials Preparedness Policy Committee. He is an elected member of the CSTE Executive Board and a member of the Infectious Diseases Society of America Public Health Committee. He is the primary or co-author of over 45 peer-reviewed journal articles.

Bruce Evans, M.P.A., NREMT-P, is the Fire Chief at the Upper Pine River Fire Protection District. Chief Evans arrived in La Plata County after serving as the EMS Chief and as an Assistant Chief at the North Las Vegas Fire Department in Southern Nevada. Chief Evans had served at the Henderson (NV) Fire Department for 18 years as a fire and EMS captain. Mr. Evans is an NFPA Fire Instructor III and served as a program coordinator and faculty member at the College of Southern Nevada's Fire Technology program teaching various fire and EMS topics for 21 years. Bruce has over 27 years' experience in a variety of EMS settings and is the 2010 recipient of the International Association of Fire Chiefs James O Page award for Leadership in EMS. Chief Evans was on the Emerging disease committee with the IAFC after participating in preparations for the avian flu in the late 1990's. Bruce is an adjunct faculty of the National Fire Academy in the EMS, Incident Management, and Terrorism Training programs serving as a technical writer for several of the courses at the NFA. As an instructor at the NFA in toxicology Chief Evans is knowledge in current issues with endocrinology, weapons of mass destruction and completed the radiation emergency medicine course through the Radiation Emergency Assistance Center. He is the past Chair of the National Association of EMT's Safety Committee and was appointed to the Safety subcommittee of NHTSA's National EMS Advisory Committee. Chief Evans serves as a liaison to the Department of Homeland Security's Office of Emergency Communication's SAFECOM advisory committee on interoperability communications. He is currently on the Board of Directors for the National Association of EMT's representing region IV. Chief Evans also is on the Board of Directors for the National EMS Management Association. He holds a Masters degree in Public Administration, Bachelors of Science in Education, and Associates in Fire Management. Bruce is a certified faculty for the International Public Safety Leadership and Ethics training program. Mr. Evans writes the bi-monthly column EMS Viewpoints in Fire Chief Magazine and is on the editorial board of for the Journal of Emergency Medical Services. Bruce co-authored several textbooks, Crew Resource Management with Jones and Bartlett, Management of EMS with Brady Prentice Hall, IFSTA's Structural Series High-Rise Firefighting. He is one of the authors of the National Association of EMT's Safety Course. Chief Evans, his wife Debora and son Oliver have lived in Durango, Colorado since 2008.

Larry (Dave) Fluty, B.S., is the Acting Assistant Secretary for the Office of Health Affairs (OHA) in the Department of Homeland Security (DHS). In this position, he leads a multi-disciplinary professional and technical staff that anticipates the public health impact of biological attacks, chemical releases, pandemics, and disasters, and helps prepare the nation and the DHS workforce to respond and rebound. Mr. Fluty previously served as the Principal Deputy Assistant Secretary of OHA, following a 22 year tenure with U.S. Customs and Border Protection (CBP), where he most recently served as the CBP Area Port Director for the Houston/Galveston Seaport. Prior to this assignment, Mr. Fluty was the Deputy Assistant Commissioner of the CBP Office of Training and Development, a senior executive position responsible for ensuring that all employee training and development efforts support CBP's mission and meet the needs of a diverse and dispersed workforce of over 60,000 employees. Mr. Fluty previously served as the Director of the CBP Southwest Regional Science Center in Houston, TX, where he was responsible for providing CBP and DHS law enforcement officers with frontline technical assistance and scientific services in many diverse areas that include WMD threats, trade enforcement, forensic analysis, and crime scene investigation. Additionally, he worked closely with the petroleum industry measurement community to develop uniform guidelines and streamline technical reporting requirements for the

approval of petroleum measurement systems for CBP custody transfer purposes. Mr. Fluty began his federal career with U.S. Customs in 1994 as a forensic chemist in the San Francisco Laboratory, where he worked extensively in the country-of-origin analysis of petroleum products. He rapidly assumed positions of increased responsibility, serving at CBP Headquarters as the Director of Scientific Services providing operational and administrative management of the CBP laboratory system and as the Deputy Assistant Director of Operational Support at the DHS Domestic Nuclear Detection Office, where he helped develop the interagency nuclear decision protocols to adjudicate nuclear detection events at our nation's borders and abroad. Mr. Fluty is a graduate of the CBP SES Candidate Development Program. He holds a bachelor's degree in Chemistry from the University of the Pacific and is a Senior Executive Fellow at Harvard University's John F. Kennedy School of Government.

John L. Hick, M.D., is a faculty emergency physician at Hennepin County Medical Center (HCMC) and an associate professor of emergency medicine at the University of Minnesota. He serves as the associate medical director for Hennepin County emergency medical services and medical director for emergency preparedness at HCMC. He is medical advisor to the Minneapolis/St. Paul Metropolitan Medical Response System. He also serves the Minnesota Department of Health as the medical director for the Office of Emergency Preparedness and medical director for Hospital Bioterrorism Preparedness. He is the founder and past chair of the Minneapolis/St. Paul Metropolitan Hospital Compact, a 29-hospital mutual aid and planning group active since 2002. He is involved at many levels of planning for surge capacity and adjusted standards of care and traveled to Greece to assist in health care system preparations for the 2004 Summer Olympics as part of a 15-member team from the Centers for Disease Control and Prevention and the Department of Health and Human Services. He is a national speaker on hospital preparedness issues and has published numerous papers dealing with hospital preparedness for contaminated casualties, personal protective equipment, and surge capacity.

Claudia M. Kelly, M.B.A., M.P.H., is Senior Director, Value Access and Policy for Seqirus, Inc. She leads the development of strategic policy and value access initiatives for Seqirus' seasonal and pandemic influenza portfolio. Seqirus is the second largest influenza vaccine provider in the world and a transcontinental partner in pandemic preparedness. Seqirus is driven by the promise it shares with its parent company, CSL Limited, to provide medicines that help to protect and save lives. Prior to her current role, Claudia served as Vice-President, Global Market Access for Novartis Influenza Vaccines serving on the business unit's leadership team. Since joining Novartis, she has held roles of increasing responsibility in medical, policy and commercial functions working on both meningitis and influenza vaccine access. Prior to joining Novartis, Claudia spent 17 years with Merck & Co, also in a variety of global and domestic roles and supported the market development and education initiatives for the launches of HPV, rotavirus and zoster vaccines. Claudia earned a Masters in Business Administration from Babson College and a Masters in Public Health from Boston University School of Public Health. She is currently pursuing a Doctorate in Public Health Leadership from the School of Public Health of the University of Illinois at Chicago.

Thomas Kirsch, M.D., M.P.H., is the Director of the National Center for Disaster Medicine and Public Health and a Professor of Military and Emergency Medicine at the Uniformed Services University of the Health Sciences. He is a board-certified emergency physician and expert in disaster management and science, austere medicine and health care management. He comes to NCDMPH from Johns Hopkins University as a Professor of Emergency Medicine, International Health and Civil Engineering. He has responded to many national and global disasters including hurricanes Katrina (2005) and Sandy (2012), the NYC response to the 9-11 terrorist attacks (2001), to global disasters such as the earthquakes in Haiti (2010), Chile (2010) and New Zealand (2011), the 2010 floods in Pakistan and Typhoon Haiyan in the Philippines (2013). He has consulted on disaster and humanitarian related issues for organizations such as the Centers for Disease Control, Federal Emergency Management Agency, the Department of Defense,

Office of Foreign Disaster Assistance, the American and Canadian Red Cross, the World Health Organization, UNICEF, Pan American Health Organization and the Earthquake Engineering Research Institute. Dr. Kirsch is a globally recognized teacher who has lectured extensively nationally and internationally on disaster and emergency medicine issues. While at Johns Hopkins he founded and was the Director of the Johns Hopkins School of Medicine Austere Medicine and the Disaster Medicine Fellowship. He has also taught masters and doctorate-level courses in the Hopkins School of Public Health and School of Medicine. Dr. Kirsch has authored over 100 scientific articles, abstracts, and textbook chapters, and co-authored the austere medical textbook, Emergent Field Medicine (VanRooyen-Kirsch). In 2013 he received the inaugural, 'Disaster Science Award' from the American College of Emergency Physicians and in 2014 the Clara Barton Award for Leadership from the American Red Cross. He was also recognized as a 'Hero in Healthcare Fighting Ebola' by President Obama in a White House ceremony in 2014. He received a BA in Fine Arts from Creighton University, his M.D. from the University of Nebraska and M.P.H. from the Johns Hopkins School of Public Health and then completed an Emergency Medicine Residency at the George Washington-Georgetown Combined Program. He lives with his wife, Celene in Bethesda, Maryland while his two sons attend college and travel the world.

George W. Korch, Jr., Ph.D., is the Acting Assistant Secretary for Preparedness and Response at the US Department of Health and Human Services. He has served recently as the Senior Science Advisor to the Assistant Secretary for Preparedness and Response, Health and Human Services (HHS) since 2009. He has also served as the Acting Principal Deputy Assistant Secretary for Preparedness and Response. Dr. Korch currently coordinates and helps oversee the U.S. Government's Public Health Emergency Medical Countermeasures Enterprise at HHS. He has served on a variety of national and governmental committees under the auspices of the White House's National Security Council and the Office of Science and Technology Policy. He is the Co-chair of the Federal Expert Security Advisory Panel to the National Security Staff, as well as Chair of the Federal Security Laboratory Facilities Inventory and Communications working group, under the auspices of the White House National Sciences and Technology Council. Dr. Korch has been a Visiting Professor in the Department of Molecular Microbiology and Immunology, The Johns Hopkins Bloomberg School of Public Health from 2008-2016. He retired from the U.S. Army Medical Department in 2008 with the rank of Colonel. While in the Army, he served in a number of leadership roles, including the Commander of the U.S. Army Medical Research Institute of Infectious Diseases and the Director of the Department of Defense Medical Chemical and Biological Defense Research Program. He also served as one of the first Directors of the National Biodefense Analysis and Countermeasure Center, Department of Homeland Security. Dr. Korch has authored a number of peer-reviewed journal articles as well as co-authoring a book on medical countermeasures for biodefense. He has served on such committees as the National Academy of Sciences, Institute of Medicine's Forum on Microbial Threats and the State of Maryland's Life Sciences Advisory Board.

Michael Kurilla, M.D., Ph.D., is the director of the Office of Biodefense Research Affairs and associate director for Biodefense Product Development for the National Institute of Allergy and Infectious Diseases (NIAID). His primary role is to provide overall institute coordination for product development of medical countermeasures against bioterror threats. At the University of Virginia, he was an assistant professor of pathology as well as co-director of the Laboratory of Molecular Diagnostics and associate director for clinical microbiology. Dr. Kurilla moved to the private sector working in anti-infective drug development at Dupont Pharmaceuticals, Bristol-Myers Squibb, and Wyeth. He subsequently joined NIAID as a medical officer. In 2005, he was named to his current positions within NIAID. He received his undergraduate degree in chemistry from the California Institute of Technology. He earned his M.D.-Ph.D. from Duke University. Dr. Kurilla took his postgraduate medical training in pathology at the Brigham & Women's Hospital in Boston, Massachusetts, and a postdoctoral fellowship with Dr. Elliott Kieff at Harvard Medical School as a Life Sciences Research Foundation fellow, followed by a Markey Scholar Award.

Drew E. Lewis, M.D., MTM&H, FACP is Medical Lead for Clinical Research and Medical Operations at Meridian Medical Technologies, a Pfizer Company where he is responsible for the medical oversight of Meridian's products and for medical countermeasures in the clinical phases of development. After earning his undergraduate degree in Biology and in Psychology at Birmingham-Southern College in Birmingham, Alabama, and his medical degree at the University of Alabama in Birmingham, Alabama, Drew completed an internship in Internal Medicine at Hahnemann University Hospital in Philadelphia, Pennsylvania. Following internship, he was assigned to the USS SARATOGA where he had a two year tour as the ship's General Medical Officer. He continued his Internal Medicine training at the Naval Hospital in Bethesda, Maryland and fellowship training in Infectious Disease at the Naval Hospital in San Diego, California. Drew then obtained his Master of Tropical Medicine and Hygiene degree at the Uniformed Services University of the Health Sciences in Bethesda, Maryland. Following a two year R&D assignment developing rapid diagnostics for biologic threats at the US Naval Medical Research Command, Bethesda, Drew joined a non-profit HIV/AIDS treatment center in Rochester, New York where he was responsible for patient care and for clinical research. Since 2000 Drew has been deeply engaged in the clinical development of antibiotics, antimalarial drugs, antiviral therapies, antiparasitics, rare diseases and in medical countermeasure clinical development.

Emily Lord, M.P.A., is the Executive Director of Healthcare Ready. She oversees programs that help strengthen healthcare supply chains through collaboration with public health and private sectors before, during, and after disasters and pandemic outbreaks. As the convener of industry and government, Healthcare Ready safeguards patient health by providing solutions to critical problems, and provides best practices for healthcare preparedness and response. Ms. Lord has led Healthcare Ready through multiple natural disasters including Hurricane Sandy. Ms. Lord also serves as the chair of HHS's Critical Infrastructure Protection program's lab, blood and pharmacy subsector. Ms. Lord holds a Master of Public Administration from The George Washington University and a Bachelor of Arts degree from the University of Wisconsin-Madison.

Freda Lyon, M.S.N., R.N., NE-BC, serves as Vice President of Emergency Services for WellStar Health System, the largest health system in Georgia. In her role, Lyon is responsible for strategic planning, evidenced-based practice, patient experience, as well as recruitment and retention for the System's 10 Emergency Departments. With more than 680,000 visits a year, WellStar sees more emergency patients than any other health system in Georgia. In addition, WellStar Kennestone Hospital operates the busiest emergency department in the state. As part of her role, she oversees WellStar's emergency preparedness initiatives and serves on local and regional emergency preparedness committees in Georgia. She is the Georgia ENA President for 2016 and Metro Atlanta ENA President 2014. During her 34 years career, she has held numerous leadership positions in healthcare across the Southeast. Lyon obtained a BSN from Troy University in Phenix City, Ala. and a MSN in Executive Leadership for Health Systems from Jacksonville University in Jacksonville, Fla. She is currently finishing course work for a Doctorate of Nursing Practice in Executive Leadership at American Sentinel University in Aurora, CO.

Nicole McKoin, B.S., is Senior Business Partner, Corporate Security-Strategy Partnerships for the Target Corporation. Nicole is responsible for developing strategic public safety partnerships with emergency management and public health agencies, serves as a policy advisor for public safety & preparedness issues and leads Target's community preparedness initiatives. Over the past year, these efforts have resulted in successful collaborations with the Department of Homeland Security (DHS), the Federal Emergency Management Association (FEMA), the Big City Emergency Managers (BCEM) and the Centers for Disease Control (CDC). Prior to her current role, Nicole managed disaster preparedness, social services and military community giving initiatives for Target. Nicole serves as a member of the Retail Industry Leader's Association (RILA) Disaster Recovery & Preparedness Committee. The committee's focus is to ensure the most cohesive, efficient response in the event of a disaster, and to serve

as an important forum for collaboration as retailers work with the public sector to support preparedness and community resiliency. Before joining Target, Nicole held several positions in policy, program and community development in the non-profit and healthcare sectors. She remains actively involved in the community, serving as a board member for Casa de Esperanza. Nicole has a bachelor's degree in Health Policy and Biology from the Pennsylvania State University.

Aubrey Miller, M.D., M.P.H., is a Captain in the U.S. Public Health Service and is board certified in Occupational and Environmental Medicine. He is currently Senior Medical Advisor to the Director of the National Institute of Environmental Health Sciences (NIEHS), and is responsible for strategic planning and coordination of environmental health issues and activities among U.S. federal agencies, academia, and other stakeholders, as well as supervisory oversight of the NIEHS OD office in Bethesda, Maryland. Dr. Miller has longstanding experience, publications, and contributions to a wide range of occupational and environmental health issues and policies. He has had extensive involvement in the NIH Gulf Oil Spill response providing testimonies before the U.S. Congress, is an associate researcher on a 32,000 worker cohort study (the GuLF Study), and coordinates a variety of ongoing programmatic and research activities. Over his career, he has had extensive involvement in a number of disaster responses including the Libby Montana Public Health Emergency involving widespread asbestos contamination, Hurricanes Katrina and Sandy, the H1N1 pandemic influenza, the World Trade Center and anthrax attacks, and he currently spearheads the NIEHS Disaster Research Response Program. Dr. Miller's previous positions include senior medical and research activities with the U.S. Food and Drug Administration (FDA), the U.S. Environmental Protection Agency (EPA), the U.S. Department of Health and Human Services, the National Institute for Occupational Safety and Health (NIOSH), and the CDC Epidemiology Intelligence Service. Dr. Miller received his M.D. from Rush Medical College in Chicago, Illinois and his M.P.H. in Environmental & Occupational Health Sciences from the University of Illinois, School of Public Health.

John Osborn, M.Sc., is operations administrator in the Department of Practice Administration at Mayo Clinic in Rochester, Minnesota, supporting the Mayo Clinic Care Network and affiliated practices. He is responsible for practice and business development nation-wide, and provides strategic leadership for e-health products and services. Prior to this assignment, he was operations manager for general and trauma surgery in the Department of Surgery, and administrator of the Mayo Clinic Level 1 and Level 1 Pediatric Trauma Centers. He has been with Mayo Clinic since 2004. Mr. Osborn also serves as the lead administrator for mass casualty incident planning and response for Mayo Clinic, and is the administrator for business continuity within the affiliated practices. He is currently Assistant Professor of Health Care Systems Engineering in the Mayo Clinic College of Medicine. He is an active member of several national organizations, serving on the boards of directors of the Trauma Center Association of America and the Association of Academic Surgical Administrators. He also is a member of the Sector Coordinating Council for healthcare and public health within the Critical Infrastructure Protection Advisory Committee system, and the Editorial Board of the American Journal of Disaster Medicine. Mr. Osborn received the bachelor of arts degree in political science from the University of Notre Dame in 2001, and the master of science degree in decision sciences from the London School of Economics and Political Science in 2004.

Tara O'Toole, M.D., M.P.H., is Senior Fellow and Executive Vice President at In-Q-Tel (IQT), a private, non-profit strategic investment firm that links the US Intelligence Community and venture-backed start-up firms on the leading edge of technological innovation. Dr. O'Toole is leading a strategic IQT initiative to explore opportunities and risks likely to arise in the next decade as a result of advances in the biological sciences and biotechnologies, with a particular focus on detection of and defense against biological attacks. From 2009-2013, Dr. O'Toole served as Under Secretary of Science and Technology (S&T) at the Department of Homeland Security, the principal advisor to the Secretary on matters related to science and technology. Under Dr. O'Toole's leadership, S&T created the Department's first division

of cybersecurity research, a division devoted to delivering technologies to first responders, and systems engineering division. She won approval and funding from the Administration and Congress to begin construction of an urgently needed, long -delayed high containment laboratory for emergent and contagious animal diseases. In the decade before becoming Under Secretary, Dr. O'Toole founded and directed two university-based think tanks devoted to civilian biodefense. She was a professor of Public Health and Director of the Johns Hopkins Center for Civilian Biodefense Studies at the Johns Hopkins Bloomberg School of Public Health, which was the first academic center devoted to biosecurity policy and practices and played a major role in defining the nature and consequences of major biological threats, both natural and deliberate. In 2003, Dr. O'Toole was CEO and Director of the Center for Biosecurity of the University of Pittsburgh Medical Center and Professor of Medicine and Public Health at the University of Pittsburgh. From 1994-98, Dr. O'Toole served in President Clinton's administration as Assistant Secretary for Environment Safety and Health in the Department of Energy. From 1989-93, Dr. O'Toole was a senior analyst at the Congressional Office of Technology Assessment. Prior to OTA, she practiced internal medicine in community health centers in east Baltimore as part of the US Public Health Service. Dr. O'Toole is a past Chair of the Board of the Federation of American Scientists, and is a member of the Council on Foreign Relations. She received her BA from Vassar College, her M.D. from the George Washington University School of Medicine and an MPH from the Johns Hopkins Bloomberg School of Public Health. She is board certified in internal medicine and occupational and environmental medicine.

Andrew Pavia, M.D., FAAP, FIDSA, is the George and Esther Gross Presidential Professor and Chief of the Division of Division of Pediatric Infectious Diseases at the University of Utah and Director of Hospital Epidemiology at Primary Children's Medical Center. His current research focuses on the epidemiology, diagnosis and management of influenza and other respiratory and emerging infections. He is a member of the Board of Directors of the Infectious Diseases Society of America and chairs the Pandemic Influenza and Bio-emergencies Task Force. He is also a member of the Board of Scientific Counselors of the Director of the Office of Infectious Diseases at the Centers for Disease Control and Prevention (CDC) and has served as a member of the National Biodefense Science Board, and the National Vaccine Advisory Board. He has been an adviser to CDC on pandemic influenza- and anthrax-related issues. He has served on committees for the Institute of Medicine (IOM) exploring the distribution of antivirals during influenza pandemics and the repositioning of countermeasures for anthrax. He received his B.A. and M.D. degrees at Brown University. He trained as a resident and chief resident at Dartmouth Hitchcock Medical Center, as an Epidemic Intelligence Service officer and Preventive Medicine Resident at the CDC, and an infectious disease fellow at the University of Utah.

Jennifer Pipa, B.A., is the Senior Director, Recovery Operations for the American Red Cross. Mrs. Pipa has responsibility for providing dedicated leadership to effectively execute and deliver Recovery services. Focused on large and/or complex events this position directs services both on the scene and remotely as needed depending on the magnitude, complexity and timing of disaster(s). This position executes defined Recovery Services, has fiscal oversight, facilitates grant management and identifies and develops talent to support the Recovery efforts. Jennifer started with the American Red Cross in 2004, as a volunteer, she was then hired as a Client Casework Coordinator in Raleigh, NC. Jennifer has filled multiple positions over the years, including Emergency Services Director for the Triangle Area Chapter, Raleigh NC, Operations Program Lead for national headquarters in Washington, DC, and Director Volunteer Mobilization and Support for national headquarters. Additional duties include serving in times of disaster in an operational leadership role, past responses include: Louisiana Flooding March & August 2016, Operations Lead Sandy Hook Response, Hurricane Isaac (TX), Hurricane Sandy (NJ), Moore Oklahoma Tornadoes, Colgan Air Flight 3407, Buffalo NY.

Alonzo L. Plough, Ph.D., M.P.H., joined the Robert Wood Johnson Foundation as vice president, Research-Evaluation-Learning and chief science officer in January 2014. Plough came to the Foundation

from the Los Angeles County Department of Public Health, where he served as director of emergency preparedness and response from 2009–2013. In that role, Plough was responsible for the leadership and management of the public health preparedness activities protecting the 10 million residents of Los Angeles County from natural disasters and threats related to disease outbreaks and other public health emergencies. He coordinated activities in emergency operations, infectious disease control, risk communication, planning, and community engagement. Prior to this position, Plough served as vice president of strategy, planning and evaluation for The California Endowment from 2005–2009. He was responsible for the leadership of the Endowment’s strategic planning and development, evaluation, research, and organizational learning. Plough also served 10 years as director and health officer for the Seattle and King County Department of Public Health, and professor of health services at the University of Washington School of Public Health in Seattle. He previously served as director of public health in Boston for eight years. Plough earned his PhD and MA at Cornell University, and his MPH at Yale University School of Medicine’s Department of Epidemiology and Public Health. He did his undergraduate work at St. Olaf College, where he earned a BA. He has held academic appointments at Harvard University School of Public Health, Tufts University Department of Community Medicine, and Boston University School of Management. He has been the recipient of numerous awards for public service and leadership and is the author of an extensive body of scholarly articles, books, and book chapters.

Stephen C. Redd, M.D., RADM, Rear Admiral Stephen C. Redd is the Director of the Office of Public Health Preparedness and Response (PHPR) at the Centers for Disease Control and Prevention (CDC). RADM Redd is responsible for all of CDC's public health preparedness and response activities. PHPR provides strategic direction, support, and coordination for these activities across CDC as well as with local, state, tribal, national, territorial, and international public health partners. PHPR carries out its mission by emphasizing accountability through performance, progress through public health science, and collaboration through partnerships. RADM Redd received his Baccalaureate Degree in History in 1979 from Princeton University and his Medical Degree with honors in 1983 at the Emory University School of Medicine. He trained in Medicine at the Johns Hopkins Hospital and completed the two year Epidemic Intelligence Service training program at CDC. Prior to joining PHPR, RADM Redd was the Director of CDC’s Influenza Coordination Unit. A medical epidemiologist, RADM Redd managed and directed CDC’s efforts to prepare and respond to pandemic influenza—a severe influenza pandemic could cause as many as two million deaths in the United States and tens of millions of deaths worldwide. A career officer, RADM Redd served as an officer in the Junior COSTEP program while in medical school and returned to the PHS following medical training. He has more than 29 years of continuous service as a Commissioned Officer and has undertaken work as diverse as investigating outbreaks of Legionnaires’ disease, to devising diagnosis and treatment strategies for malaria in Africa, to leading efforts to eliminate measles from the United States. Before his current assignment as Director of the Influenza Coordination Unit, RADM Redd led CDC’s efforts to reduce the burden of asthma in the United States in CDC’s National Center of Environmental Health. When the H1N1 pandemic struck, RADM Redd served as Incident Commander for CDC’s 11 month response, a response that involved over 3000 CDC staff and resulted in the vaccination of over 80 million Americans against the H1N1 influenza virus. RADM Redd is Board Certified in Internal Medicine, a Fellow in the American College of Physicians, and a member of the Commissioned Officer’s Association. RADM Redd has authored over 120 scientific publications including original peer reviewed research, textbook chapters, and editorials. His research has spanned the gamut—from evaluating the impact of air pollution regulations on deaths from carbon monoxide poisoning to the clinical diagnosis of malaria and pneumonia. RADM Redd has received numerous PHS awards, including the Distinguished Service Medal and the Meritorious Service Medal and is a member of the Alpha Omega Alpha medical honor society. He has been nominated three times and once won CDC’s annual Shepard Award for the outstanding scientific publication at CDC.

Sara E. Roszak, M.P.H., M.A., serves as Director of Research at the National Association of Chain Drug Stores (NACDS) where she is responsible for a portfolio of projects that highlight advancement and improvement of pharmacy practice, public health and emergency preparedness. Separately, she manages evidence-based, principal investigator-led research projects funded by the NACDS Foundation, a charitable organization focused on improving public health. Prior to joining NACDS and the Foundation, Sara managed the pandemic preparedness portfolio at the National Association of County and City Health Officials. In 2012, Sara co-founded Public Health Talks (#pubht | @PubHealthTalks), the first monthly Twitter chat focused solely on public health. From 2009 to 2011, she worked for U.S. Senator Bob Graham in various capacities while he co-chaired a congressional commission focused on preventing biological terrorism and then a presidential commission focused on the BP Deepwater Horizon oil spill. Recent awards include the 2015 American Public Health Association's Jay S. Drotman Memorial Award for a young professional who has demonstrated outstanding potential by challenging traditional public health practice in a creative way. Sara holds bachelor degrees in political science and journalism from the University of Florida (UF). She then earned a Master in Public Health and a Master of Arts in International Affairs from the George Washington University.

Roslyne Schulman, M.H.A., M.B.A., is a director for policy development at the AHA. She has been with the AHA since January 1999. She leads policy development related to hospital preparedness and response for disasters. She leads the AHA's staff team for hospital readiness and AHA's efforts in this area. Ms. Schulman is AHA's liaison to CDC's Healthcare Infection Control Practices Advisory Committee. She also represents hospitals on a number of preparedness and response coalitions involving, for example, the pharmaceutical and blood supply chain and radiation and nuclear preparedness. In addition, she has primary policy development responsibility in a number of other areas, including the Emergency Medical Treatment and Active Labor Act; Medicare hospital outpatient and ambulatory surgical center payment policy, and other Medicare Part B issues; Medicare enrollment issues, rural health clinic and community health center issues; FDA policy issues regarding drugs, blood and devices; and other areas. Between 2004-2006 she was principal investigator for AHA's federal contract with the Health Resources and Services Administration on hospital implementation issues and solutions on Emergency Systems for Advanced Registration for Volunteer Healthcare Professionals, and served as an ex-officio member of the Hospital Incident Command System National Working Group. From 1992-1999, she worked for the American College of Emergency Physicians as regulatory representative, and from 1990-1992, she was a legislative assistant with the American Group Practice Association. Ms. Schulman received her M.H.A. and M.B.A. from the University of Pittsburgh in 1989, and her B.S. from the University of Pennsylvania in 1984.

The Hon. Richard Serino spent more than forty years in public service. During that time he provided extensive leadership on emergency management, emergency medical and homeland security at local, state, federal and international levels. Mr. Serino is currently a Distinguished Visiting Fellow at Harvard & School of Public Health, National Preparedness Leadership Initiative. He was appointed by President Obama and confirmed by the Senate as the Federal Emergency Management Agency's 8th Deputy Administrator in October 2009 and served until 2014. In this role, he also served as the Chief Operating Officer (COO) of the agency with more than \$25 billion budget. Prior to his appointment as Deputy Administrator, he spent 36 years at Boston EMS where he rose through the ranks to become Chief. He also served as the Assistant Director of the Boston Public Health Commission. Mr. Serino responded to over 60 national disasters while at FEMA and during Super Storm Sandy, he was the lead federal area commander for New York and New Jersey. Mr. Serino was also on scene at the Boston Marathon bombings as the Department of Homeland Security senior official. A sampling of federally declared disasters Mr. Serino responded to include: flooding in North Dakota, New England, Georgia and Colorado; the wildfires in Colorado and Texas; the tornadoes in Mississippi, Alabama, Georgia, Joplin, Missouri; tsunami destruction in the American Samoa; and the Hurricane stricken areas from hurricanes Isaac, Irene, and Earl. Mr. Serino briefed the President of the United States on a number of disasters and

briefed and traveled with Vice President Biden to a number of affected communities to survey the destruction. As the Agency's COO, Mr. Serino fundamentally changed how FEMA operates. He helped FEMA reorient its activities and improve its programs to be "survivor centric," ensuring that the agency supports the delivery of services focused on easing the recovery experience of survivors – as individuals, neighborhoods, and communities. As Deputy Administrator, he also led administrative improvements that were focused on emphasizing financial accountability, created FEMA Stat, which improved the use of analytics to drive decisions, advanced the workforce training and engagement and fostered a culture of innovation. Under His leadership, FEMA launched initiatives such as FEMA Corps, a dedicated unit of 1,600 service corps members within AmeriCorps National Civilian Community Corps (NCCC) solely devoted to disaster preparedness, response, and recovery. His leadership took FEMA Corps from idea to implementation in nine months. FEMA Corps is a presidentially recognized model program of national service that provides eighteen to twenty four year olds with an opportunity to serve their country during disasters. When the program is at full operational capability, and in an average disaster year, there will be an expected savings of approximately \$60 million in a year. Mr. Serino was also instrumental in developing the FEMA Think Tank, a program that provides a transparent way for citizens to speak directly to government leadership and offer their input and ideas. The monthly calls portion of the Think Tank have not just trended globally on Twitter, but have also given the "Whole of Community" a voice directly to leadership. During his tenure at Boston EMS he transformed it to one of the best and nationally recognized EMS systems in the country. He bolstered the city's response plans for major emergencies, including chemical, biological, and radiological attacks. He also led citywide planning for the first influenza pandemic in more than 40 years. Mr. Serino served as an Incident Commander for over thirty five mass casualty incidents and for all of Boston's major planned events, including the Boston Marathon, Boston's Fourth of July celebration, First Night, and the 2004 Democratic National Convention, a National Special Security Event. He has received more than thirty five local, national and international awards for public service and innovation; including Harvard University National Public Leadership Institute's "Leader of the Year"; nationally recognized as an Innovator in EMS with the "Innovators in EMS Award" and Boston's highest Public Service award, "Henry L Shattuck Public Service Award". Mr. Serino published more than ten articles, including: "Emergency Medical Consequence Planning and Management for National Special Security Events After September 11: Boston: 2004," Disaster Medicine and Public Health Preparedness, August 2008; and "In a Moment's Notice: Surge Capacity for Terrorist Bombings," U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, April 2007. Mr. Serino attended Harvard University's Kennedy School of Government Senior Executives in State and Local Government program in 2000, completed the Kennedy School's National Preparedness Leadership Initiative in 2005, and graduated the Executive Leadership Program, Center for Homeland Defense and Security at the Naval Postgraduate School.

Moncef M. Slaoui, Ph.D., is the Chairman of Vaccines and has been responsible for the global vaccines business through its integration of the Novartis vaccine acquisition in 2015. Prior to his current role, Moncef served as Chairman, GSK R&D for eight years. During his tenure at GSK, Moncef has also had responsibility for the franchise commercial organization, focused on new product launches and lifecycle management. He continues to oversee GSK's venture capital arm, SR One, and other venture capital partnerships, as well as its groundbreaking Bioelectronics R&D strategy. He is a member of the Corporate Executive Team and Board of Directors. In his position as Chairman, R&D, Moncef spearheaded a profound overhaul of GSK's pharmaceutical R&D, resulting in a substantial improvement in productivity, with a late-stage pipeline comprising more than 30 Phase III programs and a totally redesigned discovery organization comprising 38 highly focused and accountable Discovery Performance Units. In his role as leader of the Franchise Commercial Operation, he spearheaded a deep transformation of GSK's launch and commercial strategy capabilities. In his previous position in GSK Biologicals, he engineered the development of a robust vaccines pipeline, including Rotarix to prevent infantile gastroenteritis, Synflorix to prevent Pneumococcal disease and Cervarix to prevent cervical cancer. Moncef earned a Ph.D. in

Molecular Biology and Immunology from the Université Libre de Bruxelles, Belgium, and completed postdoctoral studies at Harvard Medical School and Tufts University School of Medicine, Boston. He was a professor of Immunology at the University of Mons, Belgium. He has authored more than 100 scientific papers and presentations and is a member of the PhRMA Foundation Board of Directors, Advisory Board of Qatar Foundation, National Institutes of Health Advisory Committee to the Director, and the Biotechnology Industry Organization Board of Directors. A citizen of Morocco, Belgium and the USA, he is fluent in English, French and Arabic.

David J. Smith, M.D., M.S.E.H., FACOEM, EPE, is (performing duties of) the Assistant Secretary of Defense for Health Affairs. In this capacity, he directs Department-wide efforts to develop and implement policies and programs relating to DoD deployment medicine, force health protection, national disaster support, medical research and development, international health agreements and missions, and medical readiness for 2.3 million Service members. Dr. Smith received a Bachelor of Science degree from the University of Illinois in 1977 and completed his Doctor of Medicine degree at Northwestern University Medical School in 1981. He completed his Occupational Medicine Training at the University of Cincinnati Medical School in 1989, where he received a Master of Science in Environmental Health. Dr. Smith is a certified physician executive (CPE), fellow of the American College of Occupational and Environmental Medicine (FACOEM) and is board certified in Occupational Medicine with a certificate of added qualification in Undersea Medicine. He has a Certificate in Medical Management from the American College of Physician Executives at Tulane University. After receiving his Master's degree and completing his residency in Occupational and Environmental medicine, he served as the United States Navy medical exchange officer, Institute of Naval Medicine, Alverstoke, England. He then held positions as the department head, Safety and Health Department at the Armed Forces Radiobiology Research Institute, Occupational Health consultant for the Defense Nuclear Agency, director of Occupational and Community Health at National Naval Medical Center, and Commanding Officer, Naval Hospital Rota, Spain. In July 2003, Dr. Smith accepted the appointment as chief of staff, TRICARE Management Activity, Office of the Assistant Secretary of Defense (Health Affairs). Dr. Smith helped lead the migration to the new TRICARE contracts, expanded the Reserve Health Benefit, and implemented new regional governance. Afterward, he served as the Deputy Chief for Health Care Operations (M3) at the Bureau of Medicine and Surgery and became chief of Operations in June 2005, responsible for all Navy peacetime and deployed medical operations. In May 2008, Dr. Smith became the Joint Staff Surgeon where he served as the chief medical advisor to the Chairman of the Joint Chiefs of Staff, providing counsel to the chairman, the joint staff, and combatant commanders. In October 2010, Smith deployed as the International Security Assistance Force-Afghanistan (ISAF) medical advisor and Chief, Joint Medical overseeing medical care and health development for the Afghan theater of operations. His most recent position was Director, Medical Resources, Plans and Policy Division on the Chief of Naval Operations staff where he developed and evaluated plans and policy for medical support to current and future Navy and Marine Corps operations. He retired from the Navy as a Rear Admiral, upper half, in October 2012.

W. Craig Vanderwagen, M.D., RADM, USPHS, serves as Co-Founder and Director of East West Protection, LLC. Dr. Vanderwagen served 28 years as a uniformed officer in the U.S. Public Health Service, retiring with the rank of Rear Admiral (upper half). He served 25 years in the Indian Health Service. His last assignment was as the Presidentially-appointed and Senate confirmed Assistant Secretary for Preparedness and Response (ASPR) at the U.S. Department of Health and Human Services. He also serves as a senior partner with Martin, Blanck and Associates, a professional consulting firm located in Alexandria, Virginia. As the founding ASPR, he implemented new federal legislation that established the ASPR as the principal leader for all federal public health and medical response activities to any deliberate or natural disasters in the U.S. The legislation established a federal role in the development and utilization of human and other material assets in preparedness and response, and systems for deploying and managing these assets in emergency situations. His position also gave him authority and oversight of the federal effort to develop and support a wide range of medical

countermeasures (diagnostics, vaccines, therapeutic drugs and biologics) against CBRN and pandemic influenza threats. This oversight responsibility included scientific discovery, product development, licensure, acquisition, and deployment. Dr. Vanderwagen was responsible for the creation of operational plans to address the 15 national threats (including biological threats such as anthrax, smallpox, and plague, as well as threats from nuclear, radiation, and chemical devices, and natural disasters such as hurricanes and earthquakes) supported by appropriate situational awareness, logistics, planning, training and exercises coordinated through the Secretary's Command Center, an emergency operations center (EOC) linked to all other federal, state, and local command centers. Dr. Vanderwagen received his Doctor of Medicine degree from Michigan State University College of Human Medicine. He completed his residency in family medicine at the University of New Mexico and is Board Certified in Family Practice Medicine. He received his Bachelor's degree from Calvin College.

Jennifer Ward, M.B.A., B.S.N., RN, is the President of the Trauma Center Association of America a Non-Profit Association (501c6) with over 300 members representing Trauma Centers, Trauma System Members and Corporate Partners. Ms. Ward directly oversees fiscal stability and trauma center/system recognition at local, state and federal levels. Her responsibilities also include planning and development of educational programs, along with designing, implementing and evaluating studies related to trauma care. She provides overall focus and direction to TCAA's activities related to the connection between disaster/terror preparedness and response with our nation's trauma centers and systems. Prior to this position, she was a Regional Trauma and Emergency Preparedness Coordinator for the state of New Mexico. In this role, she assisted in the development and implementation of New Mexico's Trauma System, as well as preparing and educating healthcare personnel to respond to natural and man-made disasters. During this time, Ms. Ward served as a board member and officer of the Far West Texas and Southern New Mexico Regional Advisory Committee, and on the Executive Committee for the New Mexico Trauma Advisory and System Stakeholders Committee. She has over 20 years of professional nursing experience both clinically and administrative. Ms. Ward is an active member of several national organizations and has served as a gubernatorial appointed member of the New Mexico Trauma System Funding Authority since 2006. Jennifer received her Baccalaureate in Nursing from Ball State University and her MBA from New Mexico State University. She received the Sigma Theta- Tau Chapter Professional and Leadership Award in 2000 and the Jack B. Peacock "Trauma Award for Excellence" in 2007.

Cole Weeks, LCSW, BCD is the Deputy Director-Office of Human Services Emergency Preparedness Response (OHSEPR) in the Administration For Children & Families (ACF). He is a Commander (CDR) in the United States Public Health Service. CDR Weeks has 19 years of human service experience serving in various positions in the federal and non-profit sectors. He served in leadership/administrative and clinical positions with responsibilities in child welfare, foster care, residential treatment facilities, training and evaluation, resiliency and community capacity building, trauma informed-care, and human service emergency management. Prior to joining ACF, OHSEPR, CDR Weeks served as Chief of the United States Army, Hawaii 8th Theater Sustainment Command, Embedded Behavioral Health. He provided administrative and clinical leadership for the largest EBH clinic in the United States Army, providing diagnostic evaluations, primary, secondary, and tertiary interventions for a broad spectrum of behavioral health conditions. CDR Weeks received his Bachelors of Science in Criminal Justice at Chaminade University of Honolulu and a Masters in Social Work from the University of Hawaii at Manoa. CDR Weeks is a Board Certified Diplomate in Clinical Social Work. In 2010 he was selected as the National Association of Social Workers-Hawaii Chapter Practitioner of the year. He also served four years in the United States Navy as an active duty intelligence analyst.

John Wiesman, Dr.PH, M.P.H., CPH, was appointed Secretary of Health by Governor Jay Inslee and joined the Department of Health in April 2013. He's an accomplished transformational leader with more than 22 years of local public health experience. Dr. Wiesman has been passionate about public health since reading a 1983 Time magazine article about disease detectives tracking Legionnaires' Disease, toxic shock syndrome, and HIV. It was the impetus for him to enter the profession. He has worked in four local public health departments in Washington and Connecticut. He started his public health career in Connecticut in 1986 and was in its first group trained to provide HIV counseling and testing. Among his career accomplishments include: transforming health departments from providing individual clinical services to implementing, policies, systems and environmental to changes that make healthy choices easier and less expensive; partnering with a community clinic to provide integrated primary care and behavioral health; and transforming Clark County Public Health into a first responder organization. Dr. Wiesman also worked at the University of Washington, School of Public Health as a project director on a back pain outcome assessment team grant. Dr. Wiesman earned his doctor of public health (Dr.P.H.) in public health executive leadership from the University of North Carolina-Chapel Hill in 2012. He received his master of public health (MPH) in chronic disease epidemiology from Yale University in 1987 and his bachelor of arts (BA) in biology from Lawrence University in Wisconsin in 1983.

Gamunu “Gam” Wijetunge, M.P.M., NREMT-P, currently serves as the lead staff member for preparedness and workforce issues in the National Highway Traffic Safety Administration's (NHTSA's) Office of Emergency Medical Services (OEMS). Mr. Wijetunge came to NHTSA in November 2001 after working as a paramedic in Bethesda, Maryland. Mr. Wijetunge's responsibilities at NHTSA involve a broad range of preparedness issues including pandemic influenza and integration of preparedness into the day-to-day EMS system. His work involves close coordination with a number of federal agency partners through the Federal Interagency Committee on EMS (FICEMS). Mr. Wijetunge holds a master's degree in public management from the University of Maryland's School of Public Policy and is a member of the public administration academic honor society, Pi Alpha Alpha. He also holds a bachelor's of science in emergency health services from the University of Maryland Baltimore County. He has volunteered with the Wheaton Volunteer Rescue Squad since 1995, where he holds the rank of lieutenant and practices as a paramedic/ firefighter.

Matthew Wynia, M.D., M.P.H., is the Director of the University of Colorado's Center for Bioethics and Humanities, on the Anschutz Medical Campus. Dr. Wynia's training is in internal medicine, infectious diseases, public health, and health services research. Prior to moving to Colorado in July 2015, he worked at the American Medical Association and the University of Chicago. At the AMA, he was Director of Patient and Physician Engagement for Improving Health Outcomes and he developed a research institute and training programs focusing on bioethics, professionalism and policy issues (the AMA Institute for Ethics). He also founded the AMA's Center for Patient Safety. His research has focused on understanding and improving practical management of ethical issues in medicine and public health. He has led projects on a wide variety of issues related to ethics and professionalism, including public health and disaster ethics; understanding and measuring the ethical climate of health care organizations and systems; ethics and quality improvement; communication, team-based care and engaging patients as members of the team; defining physician professionalism; medicine and the Holocaust (with the US Holocaust Memorial Museum); and inequities in health and health care. He has served on committees, expert panels and as a reviewer for the Institute of Medicine/National Academy of Medicine, The Joint Commission, federal agencies, the Hastings Center, the American Board of Medical Specialties and other organizations, and he has delivered more than 2 dozen named lectures and visiting professorships nationally and internationally. Dr. Wynia is the author of more than 140 published articles, chapters and essays. His work has appeared in JAMA, the New England Journal of Medicine, Annals of Internal Medicine, Health Affairs and other leading medical and ethics journals, and he is a contributing editor at the American Journal of Bioethics. Dr. Wynia is a past president of the American Society for Bioethics and Humanities (ASBH) and he has chaired the Ethics Forum of the American Public Health Association

(APHA) and the Ethics Committee of the Society for General Internal Medicine (SGIM). He has current Board certifications in Internal Medicine and Infectious Diseases and he cares for patients at the University of Colorado Hospital.