

## Anne Zink, MD, FACEP and Chief Medical Officer for the State of Alaska

Anne grew up in Colorado and moved through her training from College in Philadelphia to Medical School at Stanford and then Residency at University at Utah. As a mountaineering guide she had fallen in love with Alaska and after residency in Emergency Medicine became lucky enough to call Alaska home. Not only does she love people and the place, but also the medicine. Alaska is a small, isolated microcosm on the US health care where certain forces like the distance, lack of referral centers, and community involvement help create better systems of care that are directly related to bedside care. She quickly became involved in helping improve systems of care as the medical director of her group, then in her hospital and with state and federal legislation, including state legislation to improve care coordination, opioid addiction treatment option, integration between private systems and the VA, DOD, and IHS facilities and more.

Dr. Zink had the honor of becoming the State of Alaska Chief Medical Officer in July 2019. In all the work she does, she strives to create work environments, policies, and practices that are data-driven, foster collaboration and build system efficiencies that put patients first.

Annie Fine, MD, Medical Director of the Reportable Disease Data, Informatics and Analysis Unit, within the Bureau of Communicable Disease, New York City Department of Health and Mental Hygiene

Dr. Annie Fine is a medical epidemiologist, a pediatrician and a graduate of the CDC EIS fellowship and has worked at the New York City Department of Health and Mental Hygiene for almost 25 years. She currently serves as the Medical Director of the Reportable Disease Data, Informatics and Analysis Unit, within the Bureau of Communicable Disease. She has led surveillance and epidemiologic data management for routine communicable diseases and many large public health emergencies in New York City, including Ebola, the 2015 Legionella outbreak in the South Bronx, Zika and most recently, COVID-19, where she leads the epidemiology and data unit for the emergency response. She also played a major role in the responses to Pandemic Influenza H1N1, West Nile in 1999, and the 2001 intentional anthrax attacks. Dr. Fine is an active member of several CSTE informatics workgroups and has contributed to national efforts to advance electronic case reporting and to standardize surveillance data.

## Christopher Harrison, MPH, State Registrar and Deputy Director, Data Integrity & Analytics, State Office of Vital Records, Georgia Department of Public Health

Chris Harrison, MPH, serves as the State Registrar and Deputy Director for the State Office of Vital Records within the Georgia Department of Public Health. Chris joined the Georgia Department of Public Health in 2013, and became the State Registrar in 2019. In his current role, Chris oversees the systems and processes used to collect, store, and distribute vital records data throughout the state. This includes certificates of live birth, certificates of death, and reports of fetal death, induced termination of pregnancy, marriage, and divorce. Prior to joining the Georgia Department of Public Health, Chris worked for a health system in the Infection Control and Epidemiology department performing disease surveillance and managing data on hospital-acquired infections. Chris received his M.P.H. from the University of Michigan School of Public Health with a concentration in epidemiology.



## Denise Chrysler, JD, Director, Mid-States Region, The Network for Public Health Law

Denise Chrysler has been a public health attorney for over 30 years. Currently, she directs the Network for Public Health Law's Mid-States Region, located at the University of Michigan School of Public Health. The Network promotes and supports the use law to protect the public's health by providing direct technical assistance; developing and providing training, materials, and practical tools; and connecting individuals with one other to build a public health law community. Previously, Denise provided legal services to Michigan's state health department regarding communicable disease, immunization, environmental public health, public health research, privacy, health information exchange, and emergency legal preparedness and response. She served as the state health department's public health legal director, privacy officer, freedom of information coordinator, regulatory affairs officer, and member of the IRB. She also represented the health department as an assistant attorney general. Since 2012, Denise has served as a member of her local board of health. She also serves on the National Committee on Vital and Health Statistics and co-chairs the Council of State and Territorial Epidemiologists' Public Health Law Subcommittee. Denise earned her law degree from the University of Michigan Law School.

## Eric Topol, MD, Founder and Director of the Scripps Research Translational Institute; Professor, Molecular Medicine, and Executive Vice President of Scripps Research

Eric Topol is the Founder and Director of the Scripps Research Translational Institute, Professor, Molecular Medicine, and Executive Vice-President of Scripps Research. As a researcher, he has published over 1,200 peer-reviewed articles, with more than 310,000 citations, elected to the National Academy of Medicine, and is one of the top 10 most cited researchers in medicine. His principal scientific focus has been on the genomic and digital tools to individualize medicine.

In 2016, Topol was awarded a \$207 million grant from the NIH to lead a significant part of the Precision Medicine (All of Us) Initiative, a prospective research program enrolling 1 million participants in the US. This is in addition to his role as principal investigator for a flagship \$35M NIH grant to promote innovation in medicine. He was the founder of a new medical school at Cleveland Clinic, Lerner College of Medicine, with Case Western University. He has over 400,000 followers on Twitter (@EricTopol) where recently he has been reporting insights and research findings for COVID-19. Besides editing several textbooks, he has published 3 bestseller books on the future of medicine: [The Creative Destruction of Medicine](#), [The Patient Will See You Now](#), and [Deep Medicine: How Artificial Intelligence Can Make Healthcare Human Again](#). Lastly, Topol was commissioned by the UK 2018-2019 to lead planning for the National Health Service's integration of AI and new technologies.



**Greg Singleton, MS**

*Senior Advisor for National Security and Advanced Research, Office of the Chief Information Officer, U.S. Department of Health and Human Services*

Greg Singleton is the Senior Advisor for National Security and Advanced Research in the Office of the Chief Information Officer at the U.S. Department of Health and Human Services (HHS). In the COVID response, he serves as a Program Manager for hospital data programs, and the CIO lead for the cross-agency Data Strategy and Execution Workgroup (DSEW).

Prior to his Senior Advisor role, Greg was the Director of the Health Sector Cybersecurity Coordination Center (HC3), an HHS office devoted to improving cybersecurity in the healthcare and public health sector. In early November 2020 this team led HHS efforts with CISA and other government agencies to stop a disruptive ransomware attack targeting 400 hospitals.

Prior to joining HHS, Mr. Singleton worked at the Department of Energy as a Senior Advisor, working on power grid cybersecurity, critical infrastructure protection, power grid resilience, and managing clean energy entrepreneurship programs.

Originally from Ohio, Mr. Singleton graduated from the University of Virginia with a Bachelor of Science in Systems Engineering, and received Masters of Science degrees in Political Science, and Technology and Policy, from the Massachusetts Institute of Technology.

**EHRA** HIMSS ELECTRONIC  
HEALTH RECORD  
ASSOCIATION  
**Executive Committee Chair Biography**

**Hans Buitendijk**

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**Hans Buitendijk, M.Sc., FHL7**

*Director, Interoperability Strategy  
Cerner Corporation*

For more than 35 years, Hans Buitendijk has been involved in the development of health IT solutions, client consulting on strategic IT planning, healthcare application development and implementations, large scale business process re-engineering and systems integration, and complex project management, bridging the gap between business process optimization and IT support.

As Director of Interoperability Strategy at Cerner, Buitendijk primarily focuses on establishing and promoting industry standards to enable interoperability across the diverse systems prevalent in health IT. In that role he represents Cerner to a variety of organizations in various leadership roles, including the EHR Association, where he is the Chair of the Executive Committee, Chair of the Standards & Interoperability Workgroup, and EHRA's representative on the CARIN Board. He also serves with:

- HL7® — Co-Chair Orders & Observations, FHIR® Management Group Member, V2 Tooling Project Lead, V2-to-FHIR Mapping Project Lead
- Da Vinci Initiative — Vice-Chair Steering Committee
- Argonaut Project — Steering Committee Member
- FAST — Steering Committee Member
- The Sequoia Project® — Carequality Board Treasurer, Carequality Steering Committee Member, Carequality FHIR Technical Workgroup Co-Chair
- HITAC USCDI Task Force - Member

## Ian Williams, PhD, MS

Ian Williams, PhD, MS is Deputy Director for the Center for Preparedness and Response (CPR).

Prior to joining CPR, Dr. Williams served as Chief of the Outbreak Response and Prevention Branch in the Division of Foodborne, Waterborne and Environmental Diseases for the National Center for Emerging and Zoonotic Infectious Diseases (NCEZID). In this role he was responsible for leading national responses to investigate, control, and prevent foodborne enteric disease outbreaks in the United States.

Dr. Williams is a nationally and internationally recognized subject matter expert in the epidemiology, prevention, control, and public health emergency response to enteric diseases. He has served as a senior advisor on science issues for outbreak investigations and has led investigations resulting in specific product recalls of hundreds of foods. These investigations have resulted in major changes that have increased the safety of the nation's food supply.

Dr. Williams has demonstrated in his 30 years' experience the ability to lead, direct, and manage public health emergency responses. He has served in leadership roles in a number of major responses where the CDC Emergency Operation Center has been activated, including most recently as a Deputy Incident Manager for the COVID-19 response.

Dr. Williams is a graduate of CDC's Epidemic Intelligence Service Program. He earned a PhD in Infectious Disease Epidemiology from the Johns Hopkins School of Hygiene and Public Health and a Master of Science degree in Preventive Medicine from the Ohio State University.

Dr. Williams is also an Adjunct Associate Professor in the Department of Epidemiology in the Rollins School of Public Health at Emory University.



## James Watt, MD, MPH, Chief, Division of Communicable Disease Control, California Department of Public Health

Dr. James Watt has been the chief of the Division of Communicable Disease Control at the California Department of Public Health (CDPH) since 2011. He has more than 17 years of experience at CDPH where he has served as the chief of the Tuberculosis Control Branch and as a medical epidemiologist in the Tuberculosis Control and Immunization Branches. He attended medical school at the University of California, San Diego, and completed a pediatric residency at Oakland (California) Children's Hospital. Dr. Watt received a Master in Public Health degree from the University of California, Berkeley and completed a residency in Preventive Medicine at the California Department of Public Health. He served as an Epidemic Intelligence Service Officer at the Centers for Disease Control and Prevention in the Respiratory Diseases Branch.

Prior to serving at CDPH he was a full time faculty member for 5 years at the Johns Hopkins Bloomberg School of Public Health where his research focused on the epidemiology and prevention of bacterial respiratory diseases in Native American and developing country settings. Dr. Watt is a Clinical Professor at the University of California, San Francisco School of Medicine. He is also a co-director of the California Emerging Infections Program, a cooperative project of the Centers for Disease Control and Prevention, CDPH, the University of California, Berkeley and local health departments in California. During the COVID-19 response, Dr. Watt has lead surveillance, epidemiologic and outbreak response activities at CDPH. Dr. Watt also oversees the California Reportable Disease Information Exchange, or CalREDIE, which is California's system for disease reporting.

## Jennifer D. Oliva

Jennifer D. Oliva is an Associate Professor and Director of the Center for Health & Pharmaceutical Law at Seton Hall Law where she specializes in health law and policy, FDA law, drug policy, evidence, and complex litigation. An honors graduate of Georgetown University Law Center, Professor Oliva was a Public Interest Law Scholar and served as Executive Notes & Comments Editor of The Georgetown Law Journal. Prior to attending law school, Professor Oliva earned a Masters in Business Administration at the University of Oxford. She was elected as a Rhodes and Truman Scholar while a cadet at the United States Military Academy. After law school, Professor Oliva served as a federal appellate law clerk to the Honorable Stephanie K. Seymour on the United States Court of Appeals for the Tenth Circuit and the Honorable Thomas L. Ambro on the United States Court of Appeals for the Third Circuit. She was subsequently appointed Deputy State Solicitor of the State of Delaware by then-Attorney General Beau Biden.

Professor Oliva has worked in the appellate and health/FDA law practice groups at national law firms and served as the General Counsel and Vice President of a regional behavioral health care company. She is United States Army veteran and admitted to the bar in Delaware, California, and the District of Columbia. She also is admitted to numerous United States district and appellate courts, including the United States Court of Appeals for Veterans Claims and the United States Supreme Court. Professor Oliva served as the 2020 Chair of the AALS Section on Law and Mental Disability and she was recently elected as Secretary of the AALS Section on Law, Medicine and Health Care and to the Executive Board of the AALS Section on Biolaw. Professor Oliva was selected as a 2019 Wiet Life Science Law Scholar by the Loyola University Beazley Institute for Health Law and Policy, a 2020 Health Law Scholar by the Saint Louis University Center for Health Law Studies and the American Society of Law, Medicine & Ethics, and the recipient of the 2021 Health Law Community Service Award by the AALS Section on Law, Medicine, and Health Care. The Harry S. Truman Foundation honored Professor Oliva with the 2019 Truman Scholarship Foundation Ike Skelton Award for her commitment to public service and the Seton Hall Law student body selected her for the 2021 Paula Franzese Excellence in Teaching (Professor of the Year) Award. She was recently appointed to the National Pain Advocacy Center's Science and Policy Advisory Council.

Prior to joining the faculty at Seton Hall Law, Professor Oliva served three years as Associate Professor of Law and Public Health at West Virginia University, where she was selected as the College of Law's 2017-2018 Professor of the Year and the West Virginia Law Review's 2017-2018 Professor of the Year. She also spent the Spring 2019 semester as a visiting research scholar at The Petrie-Flom Center for Health Law Policy, Biotechnology, and Bioethics at Harvard Law School. Professor Oliva has served as an invited peer reviewer for the American Journal of Public Health, Yale Journal of Health Policy, Law, and Ethics, American Journal of Law & Medicine, Journal of Law and the Biosciences, and Big Data & Society. Her scholarship has been published by or is forthcoming in the California Law Review, Duke Law Journal, Northwestern University Law Review, Ohio State Law Journal, North Carolina Law Review, Washington Law Review, and online companion to the University of Chicago Law Review.

## Jim Daniel, MPH, Public Health Lead, U.S. State and Local Government, Amazon Web Services

Jim Daniel is the Public Health lead for State and Local Government at Amazon Web Services. Prior to joining AWS, Jim served for almost a decade with the United States Department of Health and Human Services, most recently as the Director of Public Health Innovation for the Office of the Chief Technology Officer, and prior to that as the Public Health Coordinator for the Office of the National Coordinator for Health IT. Before joining the federal government, Jim was the Chief Information Officer for the Massachusetts Department of Public Health. Jim also holds an adjunct position in Drug Regulatory Affairs with the Massachusetts College of Pharmacy and Health Services.



**Jim Jirjis, MD, MBA,  
Chief Health Information Officer and Vice President  
Clinical Operations Group, HCA Healthcare**

Dr. Jim Jirjis is Chief Health Information Officer and Vice President, Clinical Operations at HCA Healthcare, one of the nation's leading providers of healthcare services. With more than 2,000 sites of care and 32 million annual patient encounters, the organization operates as a learning health system, wherein data from care feed forward to inform and improve care. Joining in 2013, Dr. Jirjis leads 68 informatics professionals who built the enterprise's clinical and pharmacy informatics programs. He oversees multiple electronic medical record (EMR) platforms, mobile clinical communications, health information exchange and information interoperability, and health IT regulation to support safe, effective, efficient care.

Before joining HCA Healthcare, Dr. Jirjis practiced Internal Medicine at Vanderbilt University Medical Center where he served as Medical Director of Primary Care and Chair of the Medical Records Committee. He was appointed Assistant Chief Medical Officer at VUMC in 2002, promoted to Chief Medical Information Officer in 2005, and had the honor of serving as Director of the Innovation Integration team from 2009 to 2013.

Dr. Jirjis is a longtime champion of EMR adoption among the healthcare community. His accomplishments in EMR advancement include co-developing the VUMC StarPanel enterprise EMR and developing the MyHealthatVanderbilt patient web portal; the Star Tracker disease management tracking system; an electronic communication system; and a reporting interface for Vanderbilt University. These initiatives were integral in the establishment of VUMC's EMR, which has been recognized as one of the nation's top systems.

Among his many notable achievements, Dr. Jirjis developed and led implementation of the VUMC Medical Home, which was awarded a \$19 million grant in 2012 by the Centers for Medicare and Medicaid Services. This initiative aims to improve chronic disease management for patients with high blood pressure, heart failure, and diabetes, in addition to lowering costs and improving the quality of patient care.

In 2019, Dr. Jirjis received a congressional appointment to the Health Information Technology Advisory Committee (HITAC). This committee was established by the 21st Century Cures Act to make recommendations to the Office of the National Coordinator for Health Information Technology (ONC) regarding policies, standards, implementation specifications and certification criteria. In 2020, he participated in a HITAC task force that had direct influence on the Proposed Rule for Prior Authorization. The Sequoia Project was chosen as the Recognized Coordinating Entity (RCE) by the ONC to lead the Common Agreement portion of the Trusted Exchange Framework and Common Agreement (TEFCA). Dr. Jirjis was invited to participate on a provider subgroup for an Information Blocking Compliance Workgroup called Interoperability Matters. The goal of this group is to represent the provider voice to give guidance and best practices on specific issues to ONC regarding Information Blocking.

Dr. Jirjis is a graduate of the University of Illinois, Urbana-Champaign (BS, Cum Laude), the University of Chicago's Pritzker School of Medicine (MD) and Vanderbilt University's Owen School of Management (MBA). He is board certified in Internal Medicine and completed a fellowship in Infectious Diseases at Vanderbilt University Medical Center (VUMC).

## BIOGRAPHY

### **Jonathan Greene**

**Deputy Assistant Secretary**

**Office of Operations and Resources (OOR)**

**Office of the Assistant Secretary for Preparedness and Response**

**(ASPR)**

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**Jonathan Greene is Deputy Assistant Secretary and Director of the Office of Operations and Resources (OOR)** within the Office of the Assistant Secretary for Preparedness and Response at the U.S. Department of Health and Human Services (HHS).

His responsibilities include oversight and management of national programs designed to prepare for, respond to, and recover from 21<sup>st</sup> century health security threats. OOR consists of two offices, Emergency Management and Medical Operations (EMMO) and Resource Management (ORM). Major programs within OOR include the Strategic National Stockpile (SNS), the National Disaster Medical System (NDMS), the Hospital Preparedness Program (HPP), and the Medical Reserve Corps (MRC). Additionally, OOR manages the ASPR regional offices in the states and territories and houses ASPR's Recovery Division.

Prior to his work with HHS, Mr. Greene served as Deputy Assistant Secretary for Operational Medicine and Health Support within the newly formed United States Department of Homeland Security Office of Countering Weapons of Mass Destruction (CWMD) as well as Deputy Assistant Secretary and Deputy Director of the DHS Office of Health Affairs, a predecessor to CWMD where his work was focused on bio-detection, biosurveillance, as well as chemical defense and food and agriculture security.

Before joining federal service in 2008, Mr. Greene spent over 20 years serving in public safety response and preparedness roles at the local level. His career includes line and executive level positions with fire service, law enforcement and emergency medical service agencies. He has provided leadership to some of the country's most progressive and innovative EMS systems including several high performance EMS operations in major U.S. cities.

Mr. Greene received his appointment to the Federal Senior Executive Service in 2013. He holds a Bachelor of Science degree from Charter Oak State College and attended the University of Connecticut Graduate School as well as Keene State College in New Hampshire. More recently, he attended Harvard University's National Preparedness Leadership Initiative and received a certificate in public leadership from the Brookings Institution / Washington University at St. Louis. Mr. Greene is a graduate of the Connecticut Municipal Police Academy, and has maintained licensure as a paramedic in that state since 1990.

Joneigh S. Khaldun, MD, MPH, FACEP is the Chief Medical Executive for the State of Michigan and Chief Deputy Director for Health in the Michigan Department of Health and Human Services (MDHHS). In these roles, she provides overall medical guidance for the State of Michigan as a cabinet member of the Governor, and oversees public health and aging programs, Medicaid, and behavioral health for MDHHS. In 2021, she was also named by President Biden to the COVID-19 Health Equity Task Force.

Prior to her role at MDHHS, she was the Director and Health Officer for the Detroit Health Department, where she oversaw a robust community health assessment, spear-headed new human service and maternal and infant health efforts, and led Detroit's response to the largest Hepatitis A outbreak in modern U.S. history.

Previously, Dr. Khaldun was the Baltimore City Health Department's Chief Medical Officer, where she led their efforts to address the opioid epidemic and expanded and modernized the department's multiple clinical services and laboratory. She has held previous positions as the Director of the Center for Injury Prevention and Control at George Washington University, Founder and Director of the Fellowship in Health Policy in the University of Maryland Department of Emergency Medicine, and Fellow in the Obama administration's Office of Health Reform in the U.S. Department of Health and Human Services. She currently serves on the National Advisory Board for the Institute for Healthcare Policy and Innovation at the University of Michigan, the Board of Directors of Big Brothers Big Sisters of Metropolitan Detroit, and on the Health and Medicine Committee of the National Academies of Science, Engineering and Medicine. She is an Adjunct Professor in the Department of Health Policy and Management in the University of Michigan School of Public Health.

Dr. Khaldun has received numerous awards including the 40 Under 40 Leaders in Minority Health Award by the National Minority Quality Forum, the deBeaumont Foundation 40 Under 40 Leaders in Public Health Award, and the George Washington University Dean's 950 Award. In 2020, she was named a Notable Woman in Health and Newsmaker of the Year by Crain's Detroit. Dr. Khaldun obtained her undergraduate degree from the University of Michigan, medical degree from the University of Pennsylvania, MPH in Health Policy from George Washington University, and completed residency in emergency medicine at SUNY Downstate Medical Center/Kings County Hospital in Brooklyn, NY, where was elected chief resident in her final year. She practices emergency medicine part time at Henry Ford Hospital in Detroit.

# State Health Officer



Dr. Joseph Kanter

As State Health Officer and Medical Director Dr. Joseph Kanter serves as the top medical official of Louisiana Department of Health, consulting on issues relating to policy, programmatic implementation, quality and accessibility of care, health equity, emergency preparedness and infection control, and bearing responsibility for enforcing the state's Sanitary Code. His previous state roles have included Assistant State Health Officer, Interim Assistant Secretary, and Regional Medical Director.

Prior to joining the Louisiana Department of Health Dr. Kanter served as Director of Health for the City of New Orleans and led Mayor Mitch Landrieu's comprehensive opioid mitigation strategy which included issuing a first-in-the-state standing order for naloxone, equipping the New Orleans Police Department with the reversal medication, increasing availability of medication assisted treatment, promoting harm reduction services, and initiating a City-wide effort to reduce the stigma of addictive disorders. A practicing and board-certified Emergency Physician, prior medical director of the Health Care for the Homeless clinic, and Clinical Assistant Professor of Medicine at both LSU Health Sciences Center and Tulane School of Medicine, Dr. Kanter cares for a diverse spectrum of patients in the New Orleans area, including some of the most vulnerable in our community. He is a committed academic and works closely with residents, students, and other learners. His primary interests are expanding access to patient-centered care, promoting health equity, and creating efficiencies in systems of health while protecting vulnerable populations.

## Karen DeSalvo, Chief Health Officer



Dr. Karen DeSalvo is a physician and healthcare leader working at the intersection of medicine, public health, and information technology. She has dedicated her career to improving health outcomes for all with a focus on solutions that address all the social determinants of health. She brings this lifelong commitment to her role as Chief Health Officer at Google Health, where her team of health professionals and researchers provide clinical guidance for the development of Google's research, products and services.

Prior to Google Dr. DeSalvo was previously Vice Dean for Community Affairs and Health Policy at Tulane School of Medicine and Chief of General Internal Medicine and Geriatrics. In these roles, she inspired new generations of health professionals to approach medicine through the lens of benefitting the whole community by addressing the physical, emotional, and social health drivers.

This philosophy was honed during two decades of caring for patients and in public service. She served as Health Commissioner in post-Hurricane Katrina New Orleans, then as the National Coordinator for Health Information Technology and Assistant Secretary for Health (Acting) in the Obama Administration.

She is passionate about making quality healthcare accessible to all and serves on the Medicare Payment Advisory Commission, is on the Board of Directors for Welltower, and previously served on the Board of Humana. She served as President of the Society of General Internal Medicine and Honorary Vice President, United States, for the American Public Health Association. Dr. DeSalvo continues to be a strong voice and advocate for eliminating inequities and improving the public's health. She earned her MD and MPH from Tulane University, and a masters in clinical epidemiology from the Harvard School of Public Health. She serves on the Council of the National Academy of Medicine.





**Ken Mandl, MD, MPH, Director, Computational Health Informatics Program, Boston Children's Hospital, Donald A.B. Lindberg Professor of Pediatrics and Professor of Biomedical Informatics at Harvard Medical School**

Mandl directs the Computational Health Informatics Program at Boston Children's Hospital and is the Donald A.B. Lindberg Professor of Pediatrics and Professor of Biomedical Informatics at Harvard Medical School. His work at the intersection of population and individual health has had a unique and sustained influence on the developing field of biomedical informatics. He was a pioneer of the first personally controlled health record systems, the first participatory surveillance system, and real time biosurveillance. Mandl co-developed SMART, a widely-adopted approach to enable a health app written once to access digital data and run anywhere in the healthcare system. The 21st Century Cures Act made SMART a universal property of the healthcare system, enabling innovators to rapidly reach market-scale and patients and doctors to access data and an "app store for health." He applies open source inventions to lead EHR research networks and is a leader of the Genomics Research and Innovation Network. Mandl was advisor to two Directors of the CDC and chaired the Board of Scientific Counselors of the NIH's National Library of Medicine. He has been elected to multiple honor societies including the American Society for Clinical Investigation, Society for Pediatric Research, American College of Medical Informatics and American Pediatric Society. He received the Presidential Early Career Award for Scientists and Engineers and the Donald A.B. Lindberg Award for Innovation in Informatics.

## Lance Gable, JD, MPH, Associate Professor of Law, Wayne State University Law School

Lance Gable is an associate professor of law at Wayne State University Law School. An internationally known expert on public health law and bioethics, Gable served as interim dean of Wayne Law from September 2016 to August 2017.

A member of the Law School faculty since 2006, he also served as associate dean from June 2014 until his appointment as interim dean in 2016. Prior to that, he was interim associate dean since June 2013. He teaches courses on Public Health Law, Bioethics and the Law, Torts and other health law subjects.

His research addresses the overlap among law, policy, ethics, health and science. He has published journal articles on a diverse array of topics, including public health law, ethics and policy; international human rights; bioterrorism and emergency preparedness; mental health; research ethics; and information privacy. He also is co-editor and co-author respectively of two books: *Research with High Risk Populations: Balancing Science, Ethics and the Law* and *Legal Aspects of HIV/AIDS: A Guide for Policy and Law Reform*, and a co-editor of the recent reports, *Assessing Legal Responses to COVID-19* and *COVID-19 Policy Playbook: Legal Recommendations for a Safer, More Equitable Future*.

Gable has helped the Michigan Department of Health and Human Services develop ethical guidelines for the allocation of scarce medical resources during public health emergencies. He also has assisted with the development of course materials for the World Health Organization Diploma in International Human Rights and Mental Health, and has worked as a human rights consultant for the Pan American Health Organization.

He has served as co-chair of Wayne State University's Stem Cell Research Oversight Committee, co-chair of the university's Clinical and Transnational Research Ethics Workgroup. He is the recipient of the 2010 WSU Academy of Scholars Junior Faculty Award for the Humanities and Social Sciences.

Prior to joining the Wayne Law faculty, Gable was a senior fellow at the Centers for Law and the Public's Health: A Collaborative at Georgetown and Johns Hopkins universities, affiliated with the World Health Organization and U.S. Centers for Disease Control and Prevention. He continued his affiliation with the centers as a scholar from 2006 to 2012.

He previously was project director for the Emergency System for Advance Registration of Volunteer Health Professionals Legal and Regulatory Issues Project, administered by the Health Resources and Services Administration. He also was the Alfred P. Sloan Fellow in Bioterrorism Law and Policy at the Centers for Law and the Public's Health, and practiced as a health care law attorney at a major international firm in Washington, D.C.

Gable holds a Bachelor of Arts degree in political science from Johns Hopkins University and master of public health degree from the Johns Hopkins Bloomberg School of Public Health. He earned his law degree from Georgetown University Law Center.

## Lilly Kan, MPH, Senior Director - Infectious Disease & Informatics, National Association of County & City Health Officials (NACCHO)

Lilly is the Senior Director of Infectious Disease and Informatics at NACCHO. In this role, Lilly oversees NACCHO's (1) Emerging Infectious Diseases; (2) Immunization; and (3) Informatics programs. Lilly has been deeply involved in NACCHO's support of local health departments in responding to public health threats such as the H1N1 influenza pandemic, Zika outbreak, cases of Ebola in the U.S., and COVID-19. Lilly joined NACCHO in 2007 and has since worked to strengthen local health department capacity in preventing and controlling infectious diseases using data-driven approaches.

**SHORT BIO**  
**Linda Rae Murray M.D. MPH, F.A.C.P.**  
**Adjunct Assistant Professor**  
**University of Illinois School of Public Health**  
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Dr. Murray has spent her career serving the medically under served. She has worked in a variety of settings including practicing Occupational Medicine at a Workers Clinic in Canada, Residency Director for Occupational Medicine at Meharry Medical College, and Bureau Chief for the Chicago Department of Health under Mayor Harold Washington. Dr. Murray worked as Medical Director of the federally funded health center, Winfield Moody, serving Cabrini Green Public Housing Project in Chicago. Dr. Murray has been an active member of a wide range of local and national organizations including serving as a member of the Board of Scientific Counselors for the Agency for Toxic Substances and Disease Registry (ATSDR), and the Board of Scientific Counselors for the National Institute of Occupational Safety and Health (NIOSH) and the Board of Directors of Trinity Health ( a large Catholic Health system).

In 1997 Dr. Murray returned to the Cook County Health System where she served as Chief Medical Officer - Primary Care for the twenty three primary care and community health centers comprising the Ambulatory & Community Health Network of the Cook County Bureau of Health Services; and as an attending physician in the Division of Occupational and Environmental Medicine at Cook County Hospital. Dr. Murray has worked in leadership roles in many public health organizations including NACCHO's (National Association of City & County Health Officers) Health Equity and Social Justice Team, the national executive board of APHA. During 2011 she served as President of the American Public Health Association. In December 2014, she retired from her position as the Chief Medical officer for the Cook County Department of Public Health of the Cook County Health & Hospital System, the PHAB accredited and state certified public health department for suburban Cook County. In December 2018 Dr. Murray stopped seeing patients as a voluntary attending in Internal Medicine ending over forty years of clinical practice.

Today she serves as an Honorary Attending of Cook County Health and is an Adjunct Assistant Professor at the University of Illinois School of Public Health. She serves on many local and national boards including the Chicago based Health and Medicine Policy Research Group; and chairs the board for the National Collaborative for Health Equity. She remains passionate about increasing the number of Black and Latinx health professionals and serves on the Urban Health Program Community Advisory Committee at the University of Illinois.

Dr. Murray is devoting the rest of her career to being an enthusiastic full time trouble maker. She has been a voice for social justice and health as a basic human right for over fifty years.

Linda Thomas-Hemak, M.D., FACP, FAAP, is President and Chief Executive Officer of The Wright Center for Community Health, a multi-site, HRSA-designated Federally Qualified Health Center Look-Alike in Northeast Pennsylvania, and The Wright Center for Graduate Medical Education, the largest HRSA-funded Teaching Health Center Graduate Medical Education Safety-Net Consortium



Born and raised in Northeast Pennsylvania and the daughter of public educators, Dr. Thomas-Hemak is a first-generation physician. She was a Michael DeBakey Scholar at Baylor College of Medicine in Houston, Texas, prior to completing Harvard Massachusetts General Hospital's combined Internal Medicine and Pediatrics Residency Program in Boston. She returned to her rural hometown of Jermyn, Pennsylvania, immediately after her training to care for patients and multi-generational families in her community. She joined The Wright Center in 2001 and accepted her current leadership positions in 2012. Her steadfast professional commitment, other than direct primary care delivery and workforce development, is to passionately invest in meaningful contributions to address our well documented national primary care provider shortage and mis-distribution and related health and healthcare access disparities.

Dr. Thomas-Hemak's continued engagement in direct primary care of patients and families while educating the current and future primary care workforce enlightens and enriches her decisions as a chief executive and energizes her ongoing patient and community centered advocacy efforts. Triple board-certified in internal medicine, pediatrics and addiction medicine, she joyfully practices and teaches at The Wright Center's Mid Valley Teaching Health Center.

A founding board member of the "Beyond Flexner" Geisinger Commonwealth School of Medicine, Dr. Thomas-Hemak is actively involved in multiple organizations, countless committees, and non-profit boards and workgroups that focus on improving quality, efficiency and affordability in the healthcare delivery system; reducing health and structural care disparities; enhancing the universal experience of care; and promoting primary healthcare workforce development and resiliency, both regionally and nationally. She takes particular pride in her pioneering role on the American Association of Teaching Health Centers Board of Directors, and her recent appointment as the Chair of the Board for the Northeast PA Area Health Education Center.

An early and relentless supporter of Electronic Medical Records, Health Information Exchanges and wide-scale connectivity, Dr. Thomas-Hemak remains a vocal proponent of real-time, actionable health information interoperability as the cornerstone of a high-performing, high-quality, safe, equitable, efficient and affordable health care delivery system. She recently produced and moderates a four-part regional public television series of panel discussions with industry experts to educate the public, providers and legislators through panel discussions with industry experts about the benefits of and need for health information interoperability which she believes will be a powerful accelerant to achieve the quadruple aim of health, healthcare, affordability and experiential satisfaction.

Dr. Thomas-Hemak ultimately aspires that the Graduate Medical Education Safety-Net Consortium model embraced by The Wright Center is nationally recognized as the Gold Standard model for community-based, nondiscriminatory primary healthcare with integrated workforce development by June 30, 2027.

## Mark McClellan, MD, PhD

Mark McClellan, MD, PhD, is the Robert J. Margolis Professor of Business, Medicine, and Policy, and founding Director of the Duke-Margolis Center for Health Policy at Duke University. With offices in Durham, NC and Washington, DC, the Center is a university-wide Duke initiative that is nationally and internationally-recognized for research, evaluation, implementation, and educational initiatives to improve health policy and health, most recently in its COVID-19 response. The Center integrates Duke's expertise in the social, clinical, and analytical sciences alongside engagement with health care leaders and stakeholders, to develop and apply policy solutions that improve health, health equity, and the value of health care locally, nationally, and worldwide.

Dr. McClellan is a doctor and an economist who has addressed a wide range of strategies and policy reforms to improve health care, including payment reform to promote better outcomes and lower costs, methods for development and use of real-world evidence, and strategies for more effective biomedical innovation.

At the center of the nation's efforts to combat the pandemic, Dr. McClellan is the co-author of a roadmap that details the steps needed for a comprehensive COVID-19 response and safe reopening of our country. His current work on responding to the COVID-19 public health emergency spans virus containment and testing strategies, reforming health care toward more resilient models of delivering care, and accelerating the development of therapeutics and vaccines.

Before coming to Duke, he served as a Senior Fellow in Economic Studies at the Brookings Institution, where he was Director of the Health Care Innovation and Value Initiatives and led the Richard Merkin Initiative on Payment Reform and Clinical Leadership. He also has a highly distinguished record in public service and academic research.

Dr. McClellan is a former administrator of the Centers for Medicare & Medicaid Services (CMS) and former commissioner of the U.S. Food and Drug Administration (FDA), where he developed and implemented major reforms in health policy. These include the Medicare prescription drug benefit, Medicare and Medicaid payment reforms, the FDA's Critical Path Initiative, and public-private initiatives to develop better information on the quality and cost of care. He has also previously served as a member of the President's Council of Economic Advisers and senior director for health care policy at the White House, and as Deputy Assistant Secretary for Economic Policy at the Department of the Treasury.

Dr. McClellan is the founding chair and a Senior Advisor of the Reagan-Udall Foundation for the FDA, serves on the ICER Advisory Board, and is a member of the National Academy of Medicine (NAM). He chairs the NAM's Leadership Council for Value and Science-Driven Health Care, co-chairs the Guiding Committee of the Health Care Payment Learning and Action Network, and is a research associate at the National Bureau of Economic Research. He is also a Senior Advisor on the faculty of the University of Texas Dell Medical School and is an independent director on the boards of Johnson & Johnson, Cigna, Alignment Healthcare, and PrognomiQ. He was previously an associate professor of economics and medicine with tenure at Stanford University, and has twice received the Kenneth Arrow Award for Outstanding Research in Health Economics.

## Mary Beth Kurilo, MPH, MSW, Senior Director of Health Informatics, American Immunization Registry Association

Mary Beth Kurilo is the Senior Director for Health Informatics at the American Immunization Registry Association, or AIRA. She oversees three teams at AIRA, including Standards and Analytics, AIRA's Immunization Gateway activities, and the Immunization Integration Program in collaboration with HIMSS. Mary Beth has also worked as a Public Health Consultant and faculty trainer with the Public Health Informatics Institute (PHII) since 2013.

Prior to her work at AIRA, Mary Beth served as the Director of the Oregon ALERT Immunization Information System, or ALERT IIS, for eight years. She holds Masters Degrees in Public Health and Social Work from the University of Washington.

## EXECUTIVE DIRECTOR

Michael Fraser, PhD, MS, CAE, FCPP

Dr. Michael Fraser serves as the Executive Director of the Association of State and Territorial Health Officials. ASTHO is the national nonprofit organization representing the public health agencies of the United States, the U.S. territories, and the District of Columbia, as well as the more than 100,000 public health professionals these agencies employ. ASTHO members, the chief health officials of these jurisdictions, are dedicated to formulating and influencing sound public health policy and to ensuring excellence in state-based public health practice. Under his leadership, ASTHO has received multiple Power of "A" Awards from the American Society of Association Executives for ASTHO's outstanding performance and the contributions the ASTHO team has made to advance the work of our members. ASTHO has grown in influence and organizational capacity since his arrival, including increasing the size and diversity of ASTHO team and grow the organization's budget with significant new investments from both federal agencies and national and global philanthropies.



Michael is a dynamic leader in the health care and public health fields and brings to this position experience leading both public health associations and medical societies. He has been featured in interviews with the *Washington Post*, *New York Times*, *Politico*, *The Hill*, CNN, Bloomberg, MSNBC, and other national and regional media outlets. Michael is a co-editor and author of *A Public Health Guide to Ending the Opioid Crisis* published by the Oxford University Press in early 2019 and is currently an editor and author of *Leading Systems Change in Public Health: A Field Guide for Practitioners*. Michael is an Affiliated Faculty in the Department of Global and Community Health and the Department of Health Administration and Policy at the George Mason University College of Health and Human Services.

Prior to joining ASTHO, he served as the executive vice president and CEO of the Pennsylvania Medical Society in Harrisburg, PA. Michael has been a distinguished leader in public health for twenty years. He served as CEO of the Association of Maternal and Child Health Programs (AMCHP) from 2007 to 2013, where his leadership was recognized nationally by the Maternal and Child Health Bureau's Director's Award in 2014. In addition, the American Public Health Association's MCH Section awarded AMCHP the Outstanding Leadership and Advocacy Award. Prior to joining AMCHP, he was the deputy executive director of the National Association of County and City Health Officials from 2002 to 2007, and served in several capacities at the US Department of Health and Human Services, including positions at the Health Resources and Services Administration and the Centers for Disease Control and Prevention. In Spring 2015, he was admitted as a Fellow in the College of Physicians of Philadelphia, one of just a handful on non-physician Fellows in the nation's oldest professional society.

Michael received his doctorate and masters degrees in sociology from the University of Massachusetts at Amherst and a masters of science in management with a concentration on management, strategy and leadership from the Eli Broad School of Management at Michigan State University. He received his B.A. in sociology from Oberlin College in 1991.

Since coming to ASTHO, Mike has crisscrossed the nation to meet with members, partners, and public health leaders to further advance ASTHO's mission as an advocate, voice and resource for state and territorial public health. He has served on several national boards and advisory committees throughout his career. He is the Founding Treasurer of *PHPAC – the Public Health Political Action Committee*, is active in the American Society of Association Executives, serves on the Editorial Board of the *Journal of Public Health Management and Practice* and serves as expert review for multiple scholarly publications on public health practice.



## Nicholas Dean Soulakis, PhD

Nicholas Soulakis is a public health scientist whose research focus lies at the intersection of epidemiology and informatics with an emphasis on understanding the expanding, data-rich environment created by health information technology and leveraging computationally intensive analytical techniques to monitor healthcare quality and ultimately improve population health outcomes. His current work is an expansion into the newly emerging field of quality informatics and patient outcomes; seeking to better understand the ascertainment of healthcare networks and developing a more comprehensive scientific approach to understanding the dynamics of care coordination for hospitalized patient populations. Dr. Soulakis also maintains an active research program in public health informatics, especially tracking emerging trends in community health using temporal and spatial surveillance methods, identifying new and novel methods of data collection and processing of electronic health record data, and examining electronic exchange of health information between healthcare providers and public health agencies. His work is currently funded through the National Library of Medicine and has been published in the Journal of the American Medical Informatics Association, American Journal of Public Health, and Emerging Infectious Diseases.

**Samuel Imbriale, MPH**  
**Director, Information Management Division**  
**Office of Security, Intelligence & Information Management**

Since 2018, Sam Imbriale has been the Director of the Information Management Division (IMD) within the Office of Security, Intelligence and Information Management (SIIM). In this role, he oversees the five Branches within the Division, which is made up of 85 federal and contract staff. Functions within the Division including Situational Awareness, Operational Data & Analytics, Modeling and Simulation, GIS, Information Coordination & Reporting and Supply Chain Analysis. He sets the strategic direction for the development, implementation and management of ASPR's information sharing, analysis, and data management strategies - including both steady-state and response, in the field and at headquarters. He also oversees HHS's Supply Chain Control Tower, the ASPR Chief Data Officer, ASPR Chief Geospatial Information Officer and ASPR Chief Health Informatics Officer.

Sam has been with ASPR since 2011, when we started in the Secretary's Operations Center (SOC), HHS's [24/7](#) 365 emergency operations center. In 2013, he served as the Special Assistant to the Assistant Secretary for Preparedness and Response, Admiral Nicole Lurie. He returned to the SOC in 2014 as a Team Lead and then Section Chief. During his time in the SOC, he supported dozens of HHS responses, including hurricanes, National Security Special Events, and the 2014 Ebola Outbreak. In 2017, he was the Emergency Management Group Task Force Lead for Hurricanes Harvey, Irma and Maria.

From September 2019 through June 2020, he served as the Acting Director of the Secretary's Operations Center, and led the SOC's response to the COVID-19 Repatriation Missions. He was also the HHS Chief of the FEMA National Response Coordination Center from March 2020 – June 2020 during the COVID-19 response. He is currently the Co-Lead of COVID-19 Data Strategy for Execution Workgroup, which is an interagency team that supports the White House COVID-19 Response Team.

Before joining ASPR, Sam worked as an Emergency Manager for the University of Rhode Island, where he was also an EMT. Additionally, he was Ensign in the United States Public Health Service from 2007-2009, during which time he completed six assignments in the Junior Commissioned Officer Student Training Extern Program.

He has a Masters of Public Health, a BS in Public Health and a BS in Information Systems Management. He's also a graduate of the Federal Executive Institute, Leadership for a Democratic Society resident course.



## Sarah Boateng, MHA

### **Chief of Staff, Office of the Assistant Secretary for Health (OASH)**

HHS Office of the Secretary

Sarah Boateng is serving as Chief of Staff to HHS Office of the Assistant Secretary for Health (OASH). In this role, she organizes and prioritizes critical issues to support OASH's mission to lead America to a healthier future. Ms. Boateng most recently served as the Executive Deputy Secretary at the Pennsylvania Department of Health. Prior to that, she served as the Special Assistant to the Physician General at the Department of Health, the Director of Public Affairs at Planned Parenthood Keystone and a constituent advocate/LGBT Affair Advisor for U.S. Senator Robert P. Casey, Jr. Ms. Boateng holds a master's degree in Healthcare Administration from the Colorado State University, and she is also a graduate of the University of Pittsburgh and the Robert Morris University.

## Terra Abrams Ankrah

Hailing from the town of Ellerbe, Terra Abrams Ankrah is a 1998 Richmond Senior High School graduate and the current State Registrar for the Vital Records Division of the Washington DC Department of Health. Also holding a Bachelor's degree from NC Central University in 2002 and a Master's in Business Administration from the University of Baltimore in 2005, Terra has worked in several other high profile positions in Washington, DC.

In her current role, she is responsible for the statewide vision, leadership and strategic planning for the state's vital records/statistics system and for guiding the day-to-day management of the Vital Records Division. Serving as the legal custodian of vital records, Ms. Abrams has statutory responsibility for the registration, correction, maintenance, reporting, and issuance of vital records for the District. She is also responsible for adapting the division's information technology systems to align with current vital statistics industry initiatives.

Prior to this position, she was an information technology project manager at the DC Department of Health focusing on business process analysis, document management, project management, training and systems administration. Projects she has led have included the digitization of more than 4 million District birth and death records, implementation of an enterprise document management system for the DC Department of Health, migration into the Legislative Information Management System (LIMs) more than 3 million digitized records containing legislative information representing Council Periods 1-14, and many others.

Terra's career encompasses ten years of project and account management experience in varying industries and she has worked with and managed many diverse teams. She is a member of Delta Sigma Theta Sorority, Inc., the Project Management Institute, the Business Process Management Institute and is a current board member of Divas, MPH.