Achieving Excellence in Cancer Diagnosis: A Workshop

Planning Committee Member Biosketches

Andrew Bindman, M.D. (Chair), is executive vice president and chief medical officer for Kaiser Foundation Health Plan, Inc. and Hospitals. In this role, Dr. Bindman is responsible for driving superior quality and equitable health outcomes through the integration of quality innovation, research, and care delivery. He collaborates with the Permanente Medical Groups to accelerate Kaiser Permanente's quality strategy and improve the high-quality care provided to members and patients nationwide. Dr. Bindman reports directly to Kaiser Permanente's chairman and chief executive officer and is a member of the National Executive Team and the CEO Executive Committee. He works closely with clinical and operational leaders to establish common performance standards for quality and service, drive consistent adoption of key quality programs, and leverage data analytics and research across the enterprise. His areas of focus include advancing the quality outcomes that matter most to members and establishing equity, alongside quality and safety, as a fundamental metric for care. Dr. Bindman previously spent more than 30 years at the University of California, San Francisco where he practiced and taught clinical medicine while conducting research in health access and outcomes that resulted in more than 180 published scientific articles. A noted policy advocate, he has held advisory and leadership roles for the U.S. House Energy and Commerce Committee, the U.S. Department of Health and Human Services, the Agency for Healthcare Research and Quality, the California Medicaid Research Institute, and the Healthy California for All Commission, among other agencies. Dr. Bindman is a graduate of Harvard College and the Mount Sinai School of Medicine. A board- certified general internist, he completed his residency in internal medicine at UCSF and was a Robert Wood Johnson Foundation Clinical Scholar at Stanford University. He was elected to the National Academy of Medicine in 2015 and serves on the organization's board for health care services.

Pascale Carayon, M.D., Ph.D., is the Leon and Elizabeth Janssen Professor in Engineering, Director of the Center for Quality and Productivity Improvement, Founding Director of the Wisconsin Institute for Healthcare Systems Engineering and leader of the interdisciplinary Systems Engineering Initiative for Patient Safety at the University of Wisconsin-Madison, USA. She received her Engineer diploma from the Ecole Centrale de Paris, France, and her PhD in Industrial Engineering from the University of Wisconsin-Madison. She has three decades of research experience analyzing, designing and improving complex work systems such as those in healthcare. In the last 20 years, her research has focused on patient safety and healthcare issues such as design of health information technologies. As an industrial and systems engineer, she is renowned for her groundbreaking contributions in modeling complex system interactions in healthcare processes that influence patient safety and other outcomes for patients and healthcare professionals. She is a Fellow of the Human Factors and Ergonomics Society and Fellow of the International Ergonomics Association. In 2016, she received the John M. Eisenberg Patient Safety and Quality Award for Individual Achievement. Since 2015, Becker's Hospital Review has selected her yearly as one of 50 experts leading the field of patient safety.

Robert W. Carlson, M.D., is the Chief Executive Officer at the National Comprehensive Cancer Network (NCCN). He joined NCCN as CEO in January 2013 following an esteemed history of leadership positions within the organization including, most notably, Representative to the NCCN Board of Directors, Chair of the Breast Cancer Guidelines Panel, Member and Founding Chair of the Breast Cancer Risk Reduction Guidelines Panel, and Chair of the Survivorship Guidelines Panel. Prior to his appointment as CEO at NCCN, Dr. Carlson served as Professor of Medicine in the Division of Oncology and Stanford Medical Informatics at Stanford University Medical Center, as well as Medical Director of inpatient oncology and hematology at Stanford Cancer Institute in Stanford, California. Dr. Carlson is a graduate of Stanford University Medical School, and he completed his internship and junior residency in internal medicine at Barnes Hospital Group in St. Louis, Missouri before returning to Stanford University to complete his senior residency. He earned a Bachelor of Science with distinction from Stanford University, specializing in biological sciences. Dr. Carlson is board certified in Medical Oncology and Internal Medicine.

Sarah Kobrin, Ph.D., M.P.H. is best known for her work in HPV vaccine uptake, use of health behavior theory, cancer screening, and promoting HDRP's focus on the effects of organizational characteristics on cancer prevention and control. She is currently Chief of the Health Systems & Interventions Research Branch at the National Cancer Institute, a position she has held since 2015. Under her leadership, the scientists, fellows and staff in the branch promote research improve cancer care delivery by accounting for multilevel influences, the role of Information Technology, and the performance of healthcare teams. Dr. Kobrin manages and conducts health systems and behavioral research related to uptake of the HPV vaccine, shared medical decision making, cancer screening, use of theory in applied research, and behavioral and theoretical measurement.

Alex Krist, M.D., M.P.H., is a Professor of Family Medicine and Population Health at Virginia Commonwealth University (VCU) in Richmond Virginia and a practicing family physician and resident educator at the Fairfax Family Practice residency. Dr. Krist graduated from the University of Virginia medical school in 1996, completed his residency in Family Medicine at Fairfax Family Practice in 1999, and received his Master's in Public Health from Johns Hopkins University in 2006. Dr. Krist's research interests span a range of domains including shared decision-making, barrier assessment for cancer screening, clinical-community integrations to deliver preventive care, routine use of health behavior and mental health risk assessments, the role of place-based data in primary care, primary care practice redesign, and more effective use of health information technology. His work has resulted in lasting improvements in the delivery of preventive services, health behavior changes, and improved patient engagement in medical decisions for patients throughout Virginia. Dr. Krist conducts his research in the Virginia Ambulatory Care Outcomes Research Network (ACORN), a practice-based research network that includes over 500 primary care practices throughout the state of Virginia and spanning the full scope of primary care. As part of creating and maintaining this robust laboratory for conducting primary care research, Dr. Krist has spent countless hours in primary care practices to understand their abilities and needs. Furthermore, he is directly involved in the growing field of patient engagement and patient-

centered outcomes research. He directs of the Community Engaged Research Core for VCU's Wright Center for Clinical Translational Science Award and works to strengthen the science of community partnered research, promote community-based participatory research principles, and create partnerships between communities, patients, and researchers. He has been an active participant in multiple National Academy of Medicine activities including Implementing High Quality Primary Care Committee (2019-2021), Cancer Screening Workshop (2020), Roundtable on Health Literacy (2015), and Health Information Technology Forum (2012). Finally, Dr. Krist is a former member of (2014-2021) and the Chair (2020-2021) for the U.S. Preventive Services Task Force (USPSTF). He has been the lead spokesperson on high profile topics such as prostate cancer screening. He led the USPSTF Methods Workgroup for four years and was the editor for an American Journal of Preventive Medicine special issue to advance the USPSTF's methods.

Curtis P. Langlotz, M.D., Ph.D. is Professor of Radiology and Biomedical Informatics and Director of the Center for Artificial Intelligence in Medicine and Imaging (AIMI Center) at Stanford University. As a Medical Informatics Director for Stanford Health Care, he is also responsible for the computer technology that supports the Stanford Radiology practice. The AIMI Center develops machine learning methods that enable computer systems to draw complex inferences from clinical data to augment the skills of human caregivers. He currently serves on the Board of Directors of the Radiological Society of North America (RSNA) as Liaison for Informatics. He has founded three healthcare information technology companies, including Montage Healthcare Solutions, which was acquired by Nuance Communications in 2016.

Kathryn McDonald, Ph.D., is an international thought leader who focuses on bringing an evidence-based, patient-centered approach to the study of health care delivery. She explores what makes for safe, affordable, and high-quality health care delivery systems and the factors that prevent health organizations from achieving this standard of care.McDonald develops tools for measuring patient safety and quality that are used by private and public care providers alike. McDonald created a set of standardized health care quality measurements called Quality Indicators, which are used to analyze administrative data from hospitals—including Johns Hopkins—to identify potential quality concerns and track changes over time. She is currently working on an ongoing study that examines the ways that a patient's age, race, and sex may contribute to errors in medical diagnoses and disparities in patient outcomes. McDonald hopes to understand how "visible factors" put young people, women, and African American people at risk for misdiagnoses of infections, cancer, and cardiovascular issues.

Ritu Nayar, M.D., is an Academic Cytopathologist who is Professor of Pathology and Medical Education, Vice Chair of Education & Faculty Development and Director of Cytopathology at Northwestern University and Northwestern Medicine in Chicago. She obtained her MBBS and Pathology MD in India, followed by Pathology residency and two subspecialty fellowships in the USA. Dr Nayar has been an active leader and contributor to organized Pathology for over 30 years, having chaired several committees in numerous professional organizations, including serving as the President of the American Society of Cytopathology, Executive Board member of the International Academy of Cytology and is currently Trustee and Secretary for the American Board of Pathology. She represented the American Board of Pathology in the National Academy

of Sciences Workshop "Improving Cancer Diagnosis and Care: Patient Access to Oncologic Imaging and Pathology Expertise and Technologies" in 2018. Dr Nayar has published extensively in the peer review literature, including serving as editor of the Bethesda Atlas for Reporting Cervical Cytology, which has served as the model for development and dissemination of many other standardized terminology systems in other areas of Cytopathology; and has also been involved in Clinical Screening/Management Guideline Development and Implementation for Cervical Cancer Prevention in collaboration with the ASCCP, NCI, CDC and ASC. In recognition of her contributions to Pathology, Cytopathology and Women's Health she received the following awards: (1) The ASC Presidents Award in 2003, (2) the inaugural Patricia Alonso Award from the Mexican Society of Cytology in 2016, (3) the prestigious ASC Papanicolaou Award in 2018 (4) the IAC Goldblatt Award in 2018 and (5) the CAP Lifetime Achievement Award in 2019.

Lisa C. Richardson, M.D., M.P.H., is the Director of CDC's Division of Cancer Prevention and Control (DCPC). She is responsible for providing leadership and direction for all scientific, policy, and programmatic issues related to four national programs: the Colorectal Cancer Control Program, the National Breast and Cervical Cancer Early Detection Program, the National Comprehensive Cancer Control Program, and the National Program of Cancer Registries. She oversees a well-developed research agenda that includes the national Cancer Prevention and Control Research Network. A public servant for more than 25 years, Dr. Richardson has held numerous leadership positions within CDC and DCPC. Prior to her current role, she served as director of CDC's Division of Blood Disorders, where she led national efforts to prevent complications and improve the quality of life for people living with hereditary blood disorders such as hemophilia and sickle cell disease. She began her career at CDC in 1997 as the medical director for the National Breast and Cervical Cancer and Early Detection Program, the largest organized screening program for low-income uninsured women in the United States. She returned to CDC in 2004 as a staff scientist in DCPC's Epidemiology and Applied Research Branch, then became the team lead for the Scientific Support and Clinical Translation Team in DCPC's Comprehensive Cancer Control Branch. In 2010, she became DCPC's Chief Science Officer, where she advised DCPC's director in setting scientific priorities and worked with Division staff to maintain scientific integrity in division activities. Dr. Richardson earned her medical degree and Bachelor of Science from the University of North Carolina at Chapel Hill. She was inducted into the Alpha Omega Alpha Medical Honor Society while at the University of North Carolina. She was a Robert Wood Johnson Clinical Scholar and earned her Master of Public Health from the University of Michigan School of Public Health. She completed her internal medicine residency and hematology/medical oncology fellowship at the University of Florida School of Medicine. She served as faculty of the University of Florida's Department of Medical Oncology from 2000 to 2004, and collaborated extensively with the Florida Cancer Data System, one of the 48 programs funded by CDC's National Program of Cancer Registries. Dr. Richardson is a highly sought expert on public health's role in cancer control, the role of health care delivery and cancer outcomes, health equity, and quality cancer care. She has authored and coauthored more than 160 peer-reviewed journal articles.

Saul N. Weingart, M.D., Ph.D., M.P.P., was appointed President of Rhode Island Hospital and Hasbro Children's Hospital in 2021. He served as Chief Medical Officer and Senior Vice

President of Medical Affairs at Tufts Medical Center and Professor of Medicine, Public Health, and Community Medicine at Tufts University School of Medicine from 2013-2021. Previously, he served as Vice President for Quality Improvement and Patient Safety at Dana-Farber Cancer Institute. Dr. Weingart holds a doctorate in public policy from Harvard and an MD degree from the University of Rochester. Dr. Weingart's research examines patient safety in primary and specialty care, patient engagement, and diagnostic errors. A practicing general internist, Dr. Weingart served as a member of the board of directors of the National Patient Safety Foundation and was the recipient of the 2012 John M. Eisenberg individual achievement award in quality and patient safety.