Health Economics Common Fund Program
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SPEAKER BIOS

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Sharon B. Arnold, Ph.D.
Agency for Healthcare Research and Quality, U.S. Department of Health and Human Services
Sharon B. Arnold, Ph.D., helps lead the Agency for Healthcare Research and Quality's (AHRQ) efforts to develop the knowledge, tools, and data needed to improve the health care system and to help Americans, health care professionals, and policymakers make informed health decisions. Prior to her work at AHRQ, Dr. Arnold directed the Payment Policy and Financial Management Group at the Centers for Medicare & Medicaid Services (CMS), where she led work related to program payments and developed the premium stabilization programs for private insurance under the Patient Protection and Affordable Care Act (PPACA).

Dr. Arnold has held several other positions in health policy, including Vice President at AcademyHealth, where she directed a Robert Wood Johnson Foundation grant program, Changes in Health Care Financing and Organization, which provided funding to academic researchers for policy-relevant research on health care financing topics; director of the Program Development and Information Group at CMS, where she directed Medicare payment demonstrations and the implementation of risk adjustment in Medicare; and director of Medicare Part A Analysis, where she led legislative policy for Medicare Part A issues. Dr. Arnold previously worked at the Prospective Payment Assessment Commission, Mathematica Policy Research, and RAND. She received her Ph.D. in policy analysis from the RAND Graduate School and her MSPH from the University of California, Los Angeles School of Public Health.

Anirban Basu, Ph.D.
University of Washington
Anirban Basu, Ph.D., is the Stergachis Family Endowed Professor and director of the Pharmaceutical Outcomes Research and Policy Program at the University of Washington with additional appointments in the Department of Health Services and the Department of Economics and the National Bureau of Economic Research. Dr. Basu's work sits at the intersection of microeconomics, statistics, and health policy. His research focuses on comparative and cost-effectiveness analyses, causal inference methods, program evaluation, and outcomes research, with a special emphasis on studying heterogeneity in clinical and economic outcomes to establish the realized and potential values of individualized care. Dr. Basu is an associate editor for *Observational Studies,* and in the past of *Health Economics* and the *Journal of Health Economics*. He served on the Second Panel on Cost-effectiveness in Health and Medicine. He is a past recipient of the International Society of Pharmacoeconomics and Outcomes (ISPOR) Methodology Awards and the Bernie O'Brien New Investigator Award. He is an elected Fellow of the American Statistical Association. Dr. Basu has a bachelor's degree from India, a master's degree in biostatistics from the University of North Carolina, Chapel Hill, and a Ph.D. in public policy with a concentration in health economics from the University of Chicago.

Marie A. Bernard, M.D.
National Institute on Aging
Marie A. Bernard, M.D., serves as deputy director of the National Institute on Aging (NIA). As NIA's senior geriatrician, she serves as the principal advisor to the NIA director, working closely with the director in overseeing approximately $2 billion in aging research conducted and supported annually by the Institute. She co-chairs two Department of Health and Human Services Healthy People 2020 objectives: (1) Older Adults and (2) Dementias, including Alzheimer's disease. Within NIH she co-chairs the Inclusion Governance Committee of the Extramural Activities Working Group and the Women of Color Committee of the trans-NIH Women in Biomedical Careers Working Group.

Until October 2008 she was the endowed professor and founding chairman of the Donald W. Reynolds Department of Geriatric Medicine at the University of Oklahoma College of Medicine, and Associate Chief of Staff for Geriatrics and Extended Care at the Oklahoma City Veterans Affairs Medical Center. She has held numerous national leadership roles, including chair of the Clinical Medicine Section of the Gerontological Society of America, chair of the Department of Veterans Affairs National Research Advisory Committee, board member of the American Geriatrics Society, president of the Association for Gerontology in Higher Education, and president of the Association of Directors of Geriatric Academic Programs. She has lectured and published widely in her area of research, nutrition, and function in older populations, as well as related to geriatric education. She has been recognized for her leadership in geriatrics by receipt in 2013 of the Clark A. Tibbitts Award from the Association for Gerontology in Higher Education, and in 2014 of the Donald P. Kent Award from the Gerontological Society of America.

She received her undergraduate education at Bryn Mawr College and her M.D. from University of Pennsylvania. She trained in internal medicine at Temple University Hospital in Philadelphia, PA, where she also served as chief resident. She has received additional training through the Association of American Medical Colleges Health Services Research Institute, the Geriatric Education Center of Pennsylvania, and the Wharton School Executive Development program.

Ernst R. Berndt, Ph.D.
Massachusetts Institute of Technology
Ernst R. Berndt, Ph.D., is the Louis E. Seley Chaired Professor in Applied Economics at the Alfred P. Sloan School of Management of the Massachusetts Institute of Technology (MIT). From 2004 to 2013, he also served as co-director of the Harvard-MIT Division of Health Sciences Biomedical Enterprise Program, a 3-year dual MBA and SM degree granting program from the MIT Sloan School of Management and the Harvard-MIT Division of Health Sciences and Technology. From 1999 to 2010, he served as director of the National Bureau of Economic Research Program on Technological Progress and Productivity Measurement. Since 2000 he has served as a member on the Federal Economic Statistics Advisory Committee, an interagency committee formed by the U.S. Bureau of Labor Statistics, the U.S. Bureau of Economic Analysis (BEA), and the U.S. Census Bureau, and from 2000 to 2004 was its first chair. He has also served several terms as a panel member of the National Science Foundation (NSF) Panel on Measurement, Methodology and Statistics, and recently completed a 3-year term as advisory committee member at the Social, Behavioral and Economics Directorate of NSF. Currently he chairs the BEA Advisory Council. In 2012 Professor Berndt was named chair of the Medicare Economic Index Technical Advisory Panel at the Office of the Actuary, Centers for Medicare & Medicaid Services. Since 2005 he has been a member of the Editorial Board of *Health Affairs*, and since 2009 of *Associate Editor of Neurosurgery*; he has also served on the editorial board of the *Forum for Health Policy & Economics*. During the past decade, he has been an uncompensated Special Government Employee at the U.S. Food and Drug Administration, Office of the Commissioner. He has also been a member of the Academic Advisory Committee of the QuintilesIMS Institute for Healthcare Bioinformatics since 2011. He was a founding member and is on the Executive Board of the Society for Economic Measurement. Professor Berndt received his Ph.D. degree in economics from the University of Wisconsin-Madison in 1972, and he was awarded an honorary doctorate

from Uppsala University in Sweden in 1991 and another from the University of Basel in Switzerland in 2015. He is an elected fellow of the Econometric Society. In 1985, he was named the most cited economist under age 40.

Josh Carlson, Ph.D.
University of Washington
Josh Carlson, Ph.D., is an associate professor in the Pharmaceutical Outcomes Research and Policy Program (PORPP) at the University of Washington and an affiliate faculty member at the Fred Hutchinson Cancer Research Center. He graduated with his Ph.D. from the Institute for Public Health Genetics in the School of Public Health and Community Medicine at the University of Washington in 2007 and conducted his postdoctoral training in health economics and outcomes research in the PORPP at the University of Washington from 2007 to 2009. He was awarded the International Society of Pharmacoeconomics and Outcomes (ISPOR) Bernie J. O'Brien new investigator award in 2014.

Dr. Carlson's current research interests and work to date have primarily focused on the intersection of three areas: (1) genomics and emerging technologies in the field of personalized medicine, (2) uncertainty both in our decision-making processes and as the concept applies to the application of medical technologies in "real world" settings (i.e., outside of clinical trials) including comparative effectiveness research, and (3) economic and policy options to address these uncertainties as we seek to improve our health care system and the health of our population.

Robert Carter, M.D.
National Institute of Arthritis and Musculoskeletal and Skin Diseases
Robert Carter, M.D., became deputy director of the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) in 2008, where he assists in providing strong and visionary leadership. Dr. Carter received his bachelor's degree from Williams College and his medical degree from Harvard Medical School. He trained in internal medicine at the University of Virginia Health Sciences Center in Charlottesville. He was a fellow in rheumatology and immunology at Brigham and Women's Hospital, and in molecular and clinical rheumatology at the Johns Hopkins University School of Medicine. Prior to joining NIAMS, Dr. Carter was professor of medicine at the University of Alabama at Birmingham (UAB) and served as director of the Division of Clinical Immunology and Rheumatology. He was the principal investigator (PI) of the NIAMS-supported UAB Rheumatic Disease Core Center, and the PI of an Autoimmunity Center of Excellence supported by the National Institute of Allergy and Infectious Diseases. He also served as staff physician at the Birmingham Veterans Affairs Medical Center. Currently, Dr. Carter contributes to NIAMS' pursuit of funding cutting-edge research on a broad spectrum of investigations, from basic science to clinical studies. He has also led efforts to optimize several large projects at NIAMS, including updating the portfolio of Centers programs, to foster interdisciplinary science and broad sharing of resources, and of Clinical Trials programs. Dr. Carter participates in several trans-NIH initiatives, including the Common Fund Health Economics Research Project, and he plays leadership roles in the Human Biomolecular Atlas Project, the All of Us project in the Precision Medicine Initiative, and the Accelerating Medicines Partnership

Anne Case, Ph.D.
Princeton University
Anne Case, Ph.D., is the Alexander Stewart 1886 Professor of Economics and Public Affairs Emeritus at Princeton University, where she is the Director of the Research Program in Development Studies. Dr. Case has written extensively on health over the life course. She has been awarded the Kenneth J. Arrow Prize in Health Economics from the International Health Economics Association, for her work on the links between economic status and health status in childhood, and the Cozzarelli Prize from the *Proceedings of the National Academy of Sciences* for her research on midlife morbidity and mortality. Dr. Case currently serves on the Advisory Council for the NIH-National Institute of Child Health and Human Development, the President's Committee on the

National Medal of Science, and the Committee on National Statistics. She is a fellow of the Econometric Society, and a member of the American Academy of Arts and Sciences and the American Philosophical Society.

David Chan, M.D., Ph.D.
Stanford University
David Chan, M.D., Ph.D., is an assistant professor of medicine at the Stanford School of Medicine, an investigator at the Department of Veterans Affairs, and a faculty research fellow at the National Bureau of Economic Research. Drawing on labor and organizational economics, he is interested in studying how information is used in health care delivery, how this affects productivity, and implications for organizational design. He is the recipient of the 2014 NIH Director's High-Risk, High-Reward Early Independence Award to study the optimal balance of information in health information technology for patient care. He holds a medical degree from the University of California, Los Angeles and a Ph.D. in economics from the Massachusetts Institute of Technology. He trained in internal medicine at Brigham and Women's Hospital and is currently a hospitalist at the Department of Veterans Affairs, Palo Alto.

Janet Currie, Ph.D.
Princeton University
Janet Currie, Ph.D., is the Henry Putnam Professor of Economics and Public Affairs at Princeton University and the Director of Princeton's Center for Health and Wellbeing. She also co-directs the Program on Families and Children at the National Bureau of Economic Research. She has served as the vice president of the American Economics Association and is a member of the National Academy of Medicine and the American Academy of Art and Sciences. She is a fellow of the American Academy of Political and Social Science, the Society of Labor Economists, and the Econometric Society, and she has an honorary degree from the University of Lyon and the University of Zurich. She is on the Board of Reviewing Editors of *Science* and has served as the editor of the *Journal of Economic Literature* and on the editorial board of the *Quarterly Journal of Economics*. Her research focuses on health and wellbeing, especially of children. She has written about early intervention programs, programs to expand health insurance and improve health care, public housing, and food and nutrition programs. Her current research focuses on socioeconomic differences in health and access to health care, environmental threats to health, and mental health.

Dhaval Dave, Ph.D.
Bentley University
Dhaval Dave, Ph.D., is Stanton Research Professor of Economics at Bentley University, research associate at the National Bureau of Economic Research, and research fellow at the Institute of Labor Economics (IZA). His research focuses on the analysis of public policy and on the economics of behavioral health and human capital. Dr. Dave is currently studying the market for electronic cigarettes, prescription drug abuse, welfare reform and longer-term effects on the next generation, and interventions within the juvenile justice system and their effects on youth crime and educational outcomes. His research has been supported by NIH, the Agency for Healthcare Research and Quality, and various foundations, has been published in leading peer-reviewed academic journals, and has been cited in congressional testimony, White House reports, and in the *New York Times*, *Washington Post*, *Wall Street Journal*, and other popular media. Dr. Dave received his Ph.D. from the Graduate Center of the City University of New York, followed by a postdoctoral research fellowship at the Wharton School of the University of Pennsylvania.

Jason Doctor, Ph.D.
University of Southern California
Jason Doctor, Ph.D., is associate professor and chair of the Department of Health Policy and Management at the University of Southern California's (USC) Price School of Public Policy. He also holds the Norman Topping Chair in Medicine and Public Policy and is the director of health informatics at the USC Leonard D. Schaeffer Center for Health Policy & Economics. His research program centers on decision-making in health care and

health informatics. Dr. Doctor specializes in behavioral economics and the use of choice architecture to affect policy in health and medicine.

Sarah Q. Duffy, Ph.D.
National Institute on Drug Abuse
Sarah Q. Duffy Ph.D. is the co-coordinator of the NIH Common Fund Health Economics Program. She is the associate director for economics research at the Division of Epidemiology, Services, and Prevention Research at the National Institute on Drug Abuse (NIDA), where she is responsible for the Institute's economics, opioid use disorder treatment services research, and quality measurement portfolios. Prior to joining NIDA, she spent several years as a senior research economist at the Office of Applied Studies at the Substance Abuse and Mental Health Services Administration (SAMHSA) where she used data from a large national data collection project, including the National Survey on Drug Use and Health (NSDUH) and Treatment Episode Data Set (TEDS), to conduct economic and health services research on substance abuse treatment and costs. Prior to joining SAMHSA, Dr. Duffy worked for the Maryland Health Services Cost Review Commission and the U.S. Agency for Healthcare Research and Quality, where she published several articles in the substance abuse treatment, health services research, and economics literatures. She received her PhD in economics from the University of North Carolina, Chapel Hill.

Dana Goldman, Ph.D.
University of Southern California
Dana Goldman, Ph.D., is the Leonard D. Schaeffer Chair and a distinguished professor of pharmacy, public policy, and economics at the University of Southern California. He also directs the Schaeffer Center for Health Policy and Economics, a centerpiece of one of the nation's premier health policy and management programs (ranked #3 in 2016 by *U.S. News & World Report*). Dr. Goldman is the author of more than 200 articles and book chapters. He is a health policy advisor or former advisor to the Congressional Budget Office, the Fred Hutchinson Cancer Institute, Covered California, and several health care companies. He is a current or former member of the board of directors for the International Society for Pharmacoeconomics and Outcomes Research and the American Society of Health Economists. He serves on the editorial boards of *Health Affairs* and the *American Journal of Managed Care*, and he is founding editor of the *Forum for Health Economics and Policy*. His work has been featured in the *New York Times*, *Wall Street Journal*, *Washington Post*, *Business Week, The Economist, NBC Nightly News, Modern Healthcare, CNN* and other media. Dr. Goldman is an elected member of the National Academy of Medicine (formerly the Institute of Medicine). He is the recipient of several prominent awards, including the Eugene Garfield Economic Impact Prize, recognizing outstanding research on medicine and the economy; the MetLife Foundation's Silver Scholar Award, honoring aging research; the National Institute for Health Care Management award for best health policy article; and the Alice Hersh New Investigator Award recognizing the leading young health services researcher. Dr. Goldman received his BA summa cum laude from Cornell University and a Ph.D. in economics from Stanford University.

Patricia A. Grady, Ph.D.
National Institute of Nursing Research
Patricia Grady, Ph.D., is director of the National Institute of Nursing Research (NINR). Under her directorship, NINR aims to improve the health of individuals, communities, and populations across the lifespan. Research supported through NINR examines health care issues to develop an evidence base for delivery of high-quality, cost-effective care. Major areas of study include symptom management of chronic illnesses, risk reduction, quality of life, and palliative care and end-of-life issues.

Dr. Grady is an internationally recognized researcher. She was elected to the Institute of Medicine in 1999 and is a member of several scientific organizations, including the Society for Neuroscience, American Academy of Nursing, and the American Neurological Association. She is also a fellow of the American Stroke Association. She has published numerous articles and papers on hypertension, cerebrovascular permeability, and stroke.

Her numerous awards include receiving an honorary doctor of public service degree from the University of Maryland and being named the Excellence in Nursing Lecturer by the Council on Cardiovascular Nurses of the American Heart Association. Dr. Grady is a past recipient of the NIH Merit Award and received the Public Health Service Superior Service Award for her exceptional leadership. Dr. Grady has received honorary doctor of science degrees from the Medical University of South Carolina, Thomas Jefferson University, the State University of New York Downstate Medical Center, and the Columbia University School of Nursing honored her with its prestigious Second Century Award for Excellence in Health Care.

Before joining NIH, Dr. Grady held several academic positions and served on the faculties of the University of Maryland School of Medicine and School of Nursing. Dr. Grady earned her bachelor of science degree in nursing from Georgetown University. She received her master of science degree in nursing from the University of Maryland School of Nursing and a doctorate in physiology from the University of Maryland School of Medicine.

John R. Graham, M.B.A.
Office of the Assistant Secretary for Planning and Evaluation, U.S. Department of Health and Human Services
John R. Graham, M.B.A., is the acting assistant secretary and principal deputy assistant secretary for planning and evaluation (ASPE). He has almost two decades of experience as a financial, economic, and policy analyst in the health sector. Working at several well-known nonprofit research institutes, Mr. Graham has led research on topics including payment reform, regulation of drugs and medical devices, health information technology, and comparisons of international health systems. His research was influential in both Congress and state capitols, where he was frequently invited to testify on health policy. His short articles on health policy have appeared in media including the *Wall Street Journal*, *Washington Post*, and *Forbes*, where he contributed a regular column until joining the Administration in March 2017.

Mr. Graham also served as vice-president for policy of AdvaMed, the Advanced Medical Technology Association. Previous careers included serving on the institutional sales and trading teams of investment banks, including Goldman Sachs, in Frankfurt, Germany, and London, England; as well as Army infantry platoon leader and military parachutist. Mr. Graham received his M.B.A. from the London Business School and his B.A. (with honors) in economics and commerce from the Royal Military College of Canada. He is a chartered alternative investment analyst (CAIA Charterholder) and an affiliate member of the CFA Society of Washington, DC, having completed all three levels of the chartered financial analyst program

John A. Graves, Ph.D.
Vanderbilt University
John A. Graves, Ph.D., is assistant professor at Vanderbilt University School of Medicine, where he holds appointments in the Department of Health Policy and the Department of Medicine. His interdisciplinary research focuses on the development, implementation, and evaluation of health care reforms at the state and federal levels. Dr. Graves' research on the dynamics of health insurance has played a particularly important role in recent policy debates: his research was cited in the U.S. Supreme Court's arguments over the Patient Protection and Affordable Care Act (PPACA); has been featured prominently in the national media and in state debates over the impact of Medicaid expansion on hospital finances; and was a key catalyst for regulatory changes affecting the way patients pay for insurance plans in the state insurance marketplaces created by the PPACA.

Since joining the Vanderbilt faculty, Dr. Graves has expanded his research portfolio to include NIH-funded research on the returns to health care spending and on the appropriate use of hospital quality measures to guide delivery system reforms. In addition, he served as principal investigator on a Robert Wood Johnson Foundation–funded national initiative to identify local gaps in primary care capacity under the PPACA's public and private coverage expansions. In 2013, he was awarded (as co-principal investigator) a collaborative research grant through the NIH Common Fund's Health Economics program to develop methodologies that will assess the value and appropriate use of personalized genomic medicine interventions in clinical decision-making and insurance program design.

Dr. Graves is a graduate of The University of the South in Sewanee, Tennessee. He holds a Ph.D. in health policy from Harvard University and is the recipient of fellowships and awards from the Agency of Health Research and Quality, the National Institute on Aging, the National Bureau of Economic Research, the American Statistical Association, and the National Academy of Social Insurance.

John G. Haaga, Ph.D.
National Institute on Aging
John G. Haaga, Ph.D., has served since May 2016 as director of the Division of Behavioral and Social Research in the National Institute on Aging (NIA). He served as deputy director of the Division from 2004 to 2015 and as acting director from April 2015 to May 2016. Dr. Haaga leads NIA's extramural program funding research in economics, demography, epidemiology, cognitive science and social neurosciences, behavioral genetics, and health services research related to aging. This program includes major data collection and dissemination in the United States and cross-national comparative research on global health and aging. Dr. Haaga also serves as co-coordinator for the trans-NIH Common Fund Program in Health Economics. He teaches at the University of Maryland, School of Public Policy, and has previously taught at Georgetown University and the Defense Intelligence College.

Before joining NIA, he was director of domestic programs and of the NIH-funded Center for Public Information on Population Research at the Population Reference Bureau, a nonprofit research and education organization. During 1994-1997 he was staff director for the Committee on Population of the National Academy of Sciences. He has served as president of the Association of Population Centers and secretary-treasurer and elected member of the Board of Directors for the Population Association of America. From 1991 to 1994 he directed extension research in family planning and maternal and child health at the International Centre for Diarrhoeal Disease Research, Bangladesh. During the 1980s, Dr. Haaga was a policy analyst in RAND and a research associate for the Cornell University International Nutrition program. He has lived and worked in Bangladesh, Malaysia, and Kenya, and he worked for short periods in Indonesia, India, Kenya, Lesotho, and Botswana. His Ph.D. in public policy was awarded by the RAND Graduate School, and he has a B.A. (first-class honors) in modern history from Oxford University and an M.A. in international relations from Johns Hopkins University.

Della Hann, Ph.D.
Eunice Kennedy Shriver *National Institute on Child Health and Human Development*
Dr. Della Hann, Ph.D., is the associate director for extramural research and director for the Division of Extramural Research at the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD). In this role, she provides leadership and management for the NICHD extramural program, including programmatic initiatives, peer review, and grants policy and procedures, and serves as the executive secretary for the NICHD Advisory Council. Previously she served as the deputy director, NIH Office of Extramural Research, where she provided leadership and management for programmatic, peer review, and grants' policy for the NIH extramural program. She began her federal career in 1991, serving as a program officer at the National Institute of Mental Health for portfolios of research involving developmental psychopathology, family processes, and interpersonal behavior. Before joining the government, Dr. Hann was a research associate at Louisiana State University Medical Center in New Orleans, where she completed a postdoctoral fellowship from the John D. and Catherine T. MacArthur Foundation. Dr. Hann received her Ph.D. in psychology from the University of Tennessee in 1986.

Richard J. Hodes, M.D.

National Institute on Aging

Richard J. Hodes. M.D., has been director of the National Institute on Aging (NIA) since 1992. NIA is the principal federal funding agency for studies of the basic, clinical, epidemiological, and social aspects of aging. Dr. Hodes maintains an active involvement in research on the NIH campus in Bethesda, Maryland, through his direction of the Immune Regulation Section of the National Cancer Institute, a laboratory devoted to studying regulation of the immune system and focused on cellular and molecular events that activate the immune response. This involvement in campus research serves to strengthen ties with other NIH scientists involved in studies of age-related diseases.

Dr. Hodes received his B.A. from Yale University in 1965 and his M.D. from Harvard Medical School in 1971. He is a diplomate of the American Board of Internal Medicine. Dr. Hodes was elected as a member of The Dana Alliance for Brain Initiatives in 1995, a fellow of the American Association for the Advancement of Science in 1997, and to membership in the Institute of Medicine of the National Academy of Sciences in 1999. As author of more than 250 research papers, he is an influential scientist in and contributor to the field of immunology.

Haiden Huskamp, Ph.D.

Harvard University

Haiden Huskamp, Ph.D., is the 30th Anniversary Professor of Health Care Policy in the Department of Health Care Policy at Harvard Medical School. Dr. Huskamp's research is primarily focused on mental health and substance use disorder policy, and on aging and end-of-life care policy. She has served as principal investigator for grants funded by the National Institute of Mental Health (NIMH), National Institute on Drug Abuse, and the National Institute on Aging, and she previously received a Robert Wood Johnson Foundation Investigator Award in Health Policy Research. Dr. Huskamp also serves as co-director of Harvard Medical School's course on social and population sciences required of all first-year medical and dental students.

Damon Jones, Ph.D.

University of Chicago

Damon Jones, Ph.D., is an assistant professor at the University of Chicago Harris School of Public Policy. He conducts research at the intersection of three fields within economics: public finance, household finance, and behavioral economics. His current research topics include income tax policy, social security, retirement and retirement savings, and the interaction between employer-provided benefits and labor market outcomes. At Harris, Dr. Jones currently teaches a course on public finance and public policy, a course in advanced microeconomics, and the practicum "Taxes, Transfers, and Nonprofits." He was a postdoctoral fellow at the Stanford Institute for Economic Policy Research (2009-2010) and is a faculty research fellow at the National Bureau of Economic Research. Dr. Jones received his Ph.D. in economics from the University of California, Berkeley, and also holds a B.A. in public policy with a minor in African and African-American studies from Stanford University, which he received in 2003.

Donald Kenkel, Ph.D.

Cornell University

Donald Kenkel, Ph.D., is the Joan and Irwin Jacobs Professor in the Department of Policy Analysis and Management at Cornell University, where he co-directs the Institute on Health Economics, Health Behaviors and Disparities. He is also a research associate of the National Bureau of Economic Research. Broadly speaking, most of his research is on the economics of health promotion and disease prevention. His recent and current research interests include cost-benefit analysis of tobacco control policies, electronic cigarettes, and cigarette purchases on Native American Reservations. He is the current vice president/president-elect of the Society for Benefit-Cost Analysis.

David Kent, M.D., M.Sc.
Tufts Medical Center
David M. Kent, M.D., M.Sc., is a clinician-methodologist most interested in the problems of making inferences to individual patients based on effects measured in groups. He has a broad background in clinical epidemiology with a focus on predictive modeling in cardiovascular and cerebrovascular disease (CVD), as well as experience in meta-analytic approaches, particularly individual patient data meta-analysis as the basis for risk modeling. Dr. Kent is currently principal investigator (PI) of five active federally funded research grants related to risk modeling and heterogeneity of treatment effects (HTE), as well as other funded research awards from industry and foundations. In addition to applied work in CVD, this funded work also addresses fundamental analytic issues in how to employ risk-modeling approaches to clinical trial analysis to better anticipate HTE. He is currently PI on a Patient-Centered Outcomes Research Institute (PCORI) methods grant empirically evaluating a framework to examine HTE in randomized clinical trials, co-PI (with Issa Dahabreh of Brown University) on a second PCORI methods grant that makes use of both observational data and data from randomized trials to investigate HTE, as well as PI (with Peter Neumann) of a U Award that examines the value of risk modeling. Finally, he is PI of the NIH-sponsored RoPE and TAcTiCS projects, which examine the role of patent foramen ovale (PFO) in cryptogenic stroke, on which he collaborates closely with David Thaler. Dr. Kent's research efforts have recently been organized in a new center at Tufts, the Tufts Predictive Analytics and Comparative Effectiveness (PACE) Center, which he directs. In addition, a considerable portion of Dr. Kent's time is spent educating and mentoring future clinical researchers, as director of the Clinical and Translational Science Program, at the Sackler School of Graduate Biomedical Sciences and as director of a T-funded Training Program.

David D. Kim, Ph.D.
Tufts Medical Center
David D. Kim, Ph.D., is an assistant professor at the Center for the Evaluation of Value and Risk in Health at the Institute for Clinical Research and Health Policy Studies at Tufts Medical Center and at Tufts University School of Medicine. His research focuses on using cost-effectiveness analysis (CEA) in health policy decision-making, developing models to evaluate the economic value of health policy and medical interventions, and improving research prioritization using a value of information analysis. His dissertation proposed a novel framework and metrics that could incorporate utilization effects into existing CEA so that it may provide more relevant information to the decision-making context. He was a lead author of the worked example included in the textbook, *Cost-Effectiveness in Health and Medicine*, 2nd edition (Oxford University Press, 2016). He also has developed several cost-effectiveness models for evaluation of food and nutrition policies, bariatric surgery, hepatitis C screening and treatment, and glaucoma treatment. Dr. Kim received his doctorate in health services with a concentration in health economics from the University of Washington and his M.S. in biostatistics from the University of Michigan.

David Laibson, Ph.D.
Harvard University
David Laibson, Ph.D., is the Robert I. Goldman Professor of Economics and chairman of the Department of Economics at Harvard University. He leads Harvard University's Foundations of Human Behavior Initiative. Dr. Laibson's research focuses on the topic of behavioral economics, with emphasis on household finance, macroeconomics, aging, and intertemporal choice. Dr. Laibson is also a member of the National Bureau of Economic Research, where he directs the National Institute of Aging Roybal Center for Behavior Change in Health and Savings, and is a research associate in the Aging, Asset Pricing, and Economic Fluctuations Working Groups. Dr. Laibson serves on the Board of the Russell Sage Foundation and on Harvard's Pension Investment Committee. He serves on the advisory board of the Social Science Genetics Association Consortium and has served on the Academic Research Council of the Consumer Financial Protection Bureau. Dr. Laibson is a recipient of a Marshall Scholarship. He is a fellow of the Econometric Society and the American Academy of Arts and Sciences. He is a recipient of the TIAA-CREF Paul A. Samuelson Award for Outstanding Scholarly

Writing on Lifelong Financial Security. Dr. Laibson holds degrees from Harvard University (A.B. in economics, Summa), the London School of Economic (M.Sc. in econometrics and mathematical economics), and the Massachusetts Institute of Technology (Ph.D. in economics). He received his Ph.D. in 1994 and has taught at Harvard since then. In recognition of his teaching, he has been awarded Harvard's ΦBK Prize and a Harvard College Professorship.

Douglas Lowy, M.D.
National Cancer Institute
Douglas Lowy, M.D., is the Acting Director of the National Cancer Institute (NCI). Dr. Lowy previously served as NCI's deputy director, helping lead NCI's key scientific initiatives since 2010. A cancer researcher for more than 40 years, Dr. Lowy received the National Medal of Technology and Innovation from President Obama in 2014 for his research that led to the development of the human papillomavirus (HPV) vaccine. As chief of the Laboratory of Cellular Oncology in the Center for Cancer Research at NCI, Dr. Lowy's research includes the biology of papillomaviruses and the regulation of normal and neoplastic growth. His laboratory, in close collaboration with John T. Schiller, Ph.D., was involved in the initial development, characterization, and clinical testing of the preventive virus-like particle-based HPV vaccines that are now used in the three U.S. Food and Drug Administration–approved HPV vaccines.

Dr. Lowy is a member of the National Academy of Sciences as well as the National Academy of Medicine. For their pioneering work, Drs. Lowy and Schiller have received numerous honors in addition to the National Medal, including the Federal Employee of the Year Award in 2007 from the Partnership for Public Service, the 2011 Albert B. Sabin Gold Medal Award, and the 2017 Lasker-DeBakey Clinical Medical Research Award. Dr. Lowy received his medical degree from New York University School of Medicine and trained in internal medicine at Stanford University and dermatology at Yale University.

Jeanne Mandelblatt, Ph.D.
Georgetown University
Jeanne Mandelblatt, Ph.D. is a tenured professor of medicine and oncology at Georgetown University and the immediate past-associate director of population sciences at Georgetown-Lombardi Comprehensive Cancer Center. With her cross-disciplinary training in geriatrics, health services research, and cancer epidemiology, Dr. Mandelblatt is a nationally recognized scholar with more than two decades of continuously, multi-R01-funded NIH collaborative research focused on cancer, aging, and policy. Dr. Mandelblatt has published more than 225 articles to date with her colleagues, with close to 17,000 citations of this work (H-index of 63). Dr. Mandelblatt has also served on multiple NIH study sections, is currently an associate editor at the *Journal of the National Cancer Institute*, and serves as an external advisor to several comprehensive cancer centers. In recognition of her leadership and collaborative scientific accomplishments, Dr. Mandelblatt held an NCI Senior Cancer Control Scientist Award from 2002 to 2013 and was awarded a 7-year NCI Outstanding Investigator Grant in 2015 (R35) to study cancer and aging. This body of work examines the effects of cancer and its treatments on aging trajectories and how they affect functioning. A unique aspect of this research program on cancer and aging is the use of population-based research findings to drive basic discovery in animal models, and to use mechanistic insights from the basic science laboratory to inform the next generation of clinically relevant population research studies, and address policy questions that follow from these discoveries. Much of the latter aspect of Dr. Mandelblatt's research program has been conducted within the NCI Cancer Intervention and Surveillance Modeling Network (CISNET), where she been continuously funded for the past 17 years. In addition to leading her own modeling grant, Dr. Mandelblatt serves as the lead of the CISNET Breast Working Group (BWG) coordinating center (2010-2020). She led the BWG in simulation modeling analyses for the U.S. Preventive Services Task Force in 2009 and 2015; her expertise in aging supported testing of the role of comorbidity in determining upper age limits for screening. Within CISNET she has conducted numerous economic evaluations of different approaches to cancer care. Dr. Mandelblatt is collaborating with Drs. Tracy Lieu and Scott Ramsey to study the economic outcomes of personalized cancer care strategies to investigate

the determinants and consequences of personalized health care and prevention through an award from the NIH Health Economics Common Fund Program.

Mark McClellan, M.D., Ph.D.
Duke University
Mark McClellan, M.D., Ph.D., is the Robert J. Margolis Professor of Business, Medicine, and Health Policy, and director of the Margolis Center for Health Policy at Duke University. He is a physician-economist who focuses on quality and value in health care including payment reform, real-world evidence, and more effective drug and device innovation. He is former administrator of the Centers for Medicare & Medicaid Services and former commissioner of the U.S. Food and Drug Administration, where he developed and implemented major reforms in health policy. He was previously senior fellow at the Brookings Institution and a faculty member at Stanford University.

David O. Meltzer, M.D., Ph.D.
University of Chicago
David O. Meltzer, M.D., Ph.D., is chief of the Section of Hospital Medicine, director of the Center for Health and the Social Sciences and the University of Chicago Urban Health Lab, and chair of the Committee on Clinical and Translational Science at the University of Chicago, where he is The Fanny L. Pritzker Professor in the Department of Medicine, the Harris School of Public Policy Studies, and the Department of Economics. Dr. Meltzer's research explores problems in health economics and public policy with a focus on the theoretical foundations of medical cost-effectiveness analysis and the cost and quality of hospital care. He currently leads a Centers for Medicare & Medicaid Innovation (CMMI) Challenge award to study the effects of improved continuity in the doctor-patient relationship between the inpatient and outpatient setting on the costs and outcomes of care for frequently hospitalized Medicare patients. He helped lead the Clinical and Translational Science (CTSA)-funded Chicago Learning Effectiveness Advancement Research Network (Chicago LEARN) and the Patient-Centered Outcomes Research Institute (PCORI)-funded Chicago Area Patient Centered Outcomes Research Network (CAPriCORN). Dr. Meltzer completed his M.D. and Ph.D. in economics at the University of Chicago and his residency in internal medicine at Brigham and Women's Hospital. His awards include the Garfield Award from Research America, the Agency for Healthcare Research and Quality (AHRQ) Eisenberg Excellence in Mentoring Award, and the AAMC Learning Healthcare System Award. He is a member of the National Academy of Medicine.

Peter J. Neumann, Sc.D.
Tufts Medical Center
Peter J. Neumann, Sc.D., is director of the Center for the Evaluation of Value and Risk in Health at the Institute for Clinical Research and Health Policy Studies at Tufts Medical Center, and professor of medicine at Tufts University School of Medicine. Prior to joining Tufts Medical Center, Dr. Neumann was on the faculty of the Harvard School of Public Health. His research focuses on the use of comparative effectiveness research and cost-effectiveness analysis in health care decision-making. Dr. Neumann is the founder and director of the Cost-Effectiveness Registry (www.cearegistry.org), a comprehensive database of cost-effectiveness analyses in health care. Dr. Neumann has written widely on the role of clinical and economic evidence in pharmaceutical decision-making and on regulatory and reimbursement issues in health care. He served as co-chair of the 2nd Panel on Cost-Effectiveness in Health and Medicine. He is the author or co-author of more than 250 papers in the medical literature, the author of *Using Cost-Effectiveness Analysis to Improve Health Care* (Oxford University Press, 2005) and co-editor of *Cost-Effectiveness in Health and Medicine*, 2nd Edition (Oxford University Press, 2016). Dr. Neumann has served as president of the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) and as a trustee of the Society for Medical Decision Making. He is a member of the editorial advisory boards of *Health Affairs and Value in Health* and serves on many advisory boards, including advisory boards for the Congressional Budget Office and the Robert Wood Johnson Foundation. Dr. Neumann has also held several policy positions in Washington, D.C., including special

assistant to the Administrator at the Health Care Financing Administration. He received his doctorate in health policy and management from Harvard University.

Sharon-Lise Normand, Ph.D.
Harvard University
Sharon-Lise Normand, Ph.D., is professor of health care policy (biostatistics) in the Department of Health Care Policy at Harvard Medical School and professor in the Department of Biostatistics at Harvard School of Public Health. Her research focuses on the development of statistical methods for health services and outcomes research, including the evaluation of medical devices, causal inference, provider profiling, evidence synthesis, item response theory, and latent variables analyses. Her application areas include cardiovascular disease, severe mental illness, medical device safety and effectiveness, and medical technology diffusion. Dr. Normand is director of the Massachusetts Data Analysis Center and of the Medical Device Epidemiology Network's Methodology Center. She was a consultant to and served on the U.S. Food and Drug Administration's Circulatory System Devices Advisory Panel, and she served on the Medicare Evidence Development and Coverage Advisory Committee for the Centers for Medicare & Medicaid Services (CMS). Dr. Normand was the 2010 president of the Eastern North American Region of the International Biometrics Society and inaugural vice chair of the Patient-Centered Outcomes Research Institute's Methodology Committee (2010-2012). She earned her Ph.D. in biostatistics and M.Sc. and B.Sc. in statistics, and she completed a postdoctoral fellowship in health care policy. Dr. Normand was awarded the ASA Health Policy Statistics Section's Long Term Excellence Award (2011), the American Heart Association's Distinguished Scientist Award (2012), the L. Adrienne Cupples Award for Excellence in Teaching, Research, and Service in Biostatistics from Boston University (2015), and the American Heart Association Council on Quality of Care and Outcomes Research Outstanding Lifetime Achievement Award (2017). In 2013, she was elected to the Society for Research Synthesis Methodology.

Josh Peterson, M.D., M.P.H.
Vanderbilt University
Josh Peterson, M.D., M.P.H., is associate professor with appointments in the Departments of Biomedical Informatics and Medicine at Vanderbilt University Medical Center (VUMC), and an internist with an active primary care practice. Dr. Peterson's research interests are in precision medicine with a focus on translating genomic technologies to routine clinical care. Over his nearly 20-year career in clinical informatics, he has led the design and implementation of clinical decision support systems oriented towards geriatric patients, the critically ill, patients with acute and chronic kidney disease, and most recently for patients tested within a large pharmacogenomics implementation (PREDICT). He serves as a principal investigator for an NIH Health Economics Common Fund project (RIGHT) to simulate the clinical impact and cost-effectiveness of performing genomic panel testing across large populations over their lifetime. He is also active within a variety of NIH sponsored genetic implementation consortia including eMERGE where he is principal investigator of the Coordinating Center and co-Chair of the Outcomes workgroup.

James Poterba, **D.Phil.**
Massachusetts Institute of Technology
James Poterba, D.Phil., is the Mitsui Professor of Economics at MIT and president of the National Bureau of Economic Research, a non-profit research organization with nearly 1500 affiliated economists. He has served as President of the National Tax Association and the Eastern Economic Association, and as vice president of the American Economic Association. He is a member of the National Academy of Sciences and a Corresponding Fellow of the British Academy. His research focuses on saving and retirement security, with a particular emphasis on the links between financial shocks, health shocks, and late-life financial resources. He served as a member of the President's Advisory Panel on Federal Tax Reform (2005) and is a trustee of the College Retirement Equity Fund (CREF) and the TIAA-CREF mutual funds. He holds an undergraduate degree from Harvard College and a D. Phil. in Economics from Oxford University, where he was a Marshall Scholar.

Scott Ramsey, M.D., Ph.D.
Fred Hutchinson Cancer Research Center
Scott Ramsey, Ph.D., is a general internist and health economist. He is a full member in the Cancer Prevention Program, Public Health Sciences Division at the Fred Hutchinson Cancer Research Center, where he directs Hutchinson Institute for Cancer Outcomes Research, a multidisciplinary team devoted to clinical and economic evaluations of new and existing cancer prevention, screening, and treatment technologies. In addition, Dr. Ramsey is a professor in the Schools of Medicine and Pharmacy at the University of Washington.

Trained in medicine and economics, Dr. Ramsey's research focuses on economic evaluations in cancer. He has published widely on patterns of care, costs, and cost-effectiveness of treatments for lung, colorectal, and prostate cancer. His research portfolio and interests include large-scale Surveillance, Epidemiology, and End Results (SEER)–Medicare/Cancer Registry data linkages, patient-reported outcomes, economic modeling of health care interventions, cost-effectiveness analysis, quality-of-life assessment, patterns of care, health care utilization, economic burden of disease for patients and society, pragmatic trial design, early technology assessment, and stakeholder engagement.

Dr. Ramsey is co-chair of the Outcomes and Comparative Effectiveness Committee of the Southwest Oncology Group, past president of the International Society of Pharmacoeconomics and Outcomes Research, and has served on the Institute of Medicine (now National Academy of Medicine) Cancer Policy Forum.

Bhaven Sampat, Ph.D.
Columbia University
Bhaven Sampat, Ph.D., is an associate professor in the Department of Health Policy and Management at Columbia University and a research associate at the National Bureau of Economic Research. He received his B.A., M.A., M.Phil. and Ph.D. (all in economics) from Columbia University. Dr. Sampat's research focuses on issues at the intersection of health policy and innovation policy. His current work includes projects (1) assessing the impact of biomedical patents on innovation, research, and prices/access; (2) developing and validating new measures of the economic impact of science; (3) examining whether and when biomedical research is self-correcting; and (4) assessing the impact of federal indirect cost recovery policy on the biomedical research enterprise. His previous work includes studies of the political economy of the NIH, patent examination and patent quality, the roles of academic patenting in university-industry technology transfer, and the contributions of the public and private sectors to drug development.

Kosali Simon, Ph.D.
Indiana University
Kosali Simon, Ph.D., is the Herman Wells Professor at Indiana University's School of Public and Environmental Affairs (SPEA) and a Research Associate of the National Bureau of Economic Research (NBER). In addition, she holds several journal editorial and organizational board positions in health economics and policy. Her research has been published in numerous economics and health journals, including *American Economic Journal*: *Economic Policy*, *Health Affairs*, *Journal of Health Economics*, *Journal of Human Resources*, *Journal of Public Economics*, and the *New England Journal of Medicine*. She has published research on the effects of recent health insurance reforms, Medicaid, Medicare, private insurance markets, and opioid addictions related health outcomes.

Jody Sindelar, Ph.D.
Yale University
Jody Sindelar, Ph.D., is a professor of Public Health and Economics at the Yale School of Public Health (YSPH), Department of Health Policy and Management, and at the Yale University Department of Economics. In addition, she is a research associate at the National Bureau Economic Research, research fellow at the IZA

Institute of Labor Economics, associated faculty at the Institution for Social and Policy Studies at Yale, and Bing Visiting faculty at Rand Corporation in Santa Monica, CA, and Washington, DC, and has been the president-elect, president, past president and founding member of the American Society of Health Economists (ASHEcon). She has served on numerous editorial, review, advisory and other boards and committees, and has presented her research at seminars and conferences both nationally and internationally.

Dr. Sindelar published in economics, medical, addiction, and policy journals and has won research funding from the Agency for Healthcare Research Quality, Centers for Medicare & Medicaid Services, Connecticut Department of Social Services, National Institute of Alcohol Abuse and Alcoholism, National Institute on Mental Health, National Institute on Aging, National Institute on Drug Abuse, Robert Wood Johnson Foundation, Veteran's Administration, and Yale Center for Clinical Investigation (YCCI), among others. She is an expert on the economics of substance abuse, including alcohol misuse, and illicit drugs misuse and smoking.

Jonathan Skinner, Ph.D.
Dartmouth College
Jonathan Skinner, Ph.D., is the James O. Freedman Presidential Professor in Economics at Dartmouth College and a professor at the Geisel School of Medicine's Institute for Health Policy and Clinical Practice. Dr. Skinner's research interests include the economics of government transfer programs, technology growth and disparities in health care, and the savings behavior of aging baby boomers. He is currently director of the Aging Program at the National Bureau of Economic Research and a member of the National Academy of Medicine (formerly the Institute of Medicine). He was associate editor of the *American Economic Journal: Economic Policy* and the editor of the *Journal of Human Resources.* Dr. Skinner received his Ph.D. in economics from the University of California, Los Angeles,, and a B.A. in political science and economics from the University of Rochester. He has also taught at the University of Virginia, University of Washington, Stanford University, and Harvard University.

David Veenstra, Ph.D.
University of Washington
David Veenstra, Ph.D., is a professor in the Pharmaceutical Outcomes Research and Policy Program at the University of Washington in Seattle. He graduated from the University of California, San Francisco, with doctoral degrees in clinical pharmacy and computational chemistry. He conducted his postdoctoral training in health economics and outcomes research at the University of Washington, including a 1-year externship with Roche Global Pharmacoeconomics. Dr. Veenstra's primary research interests are the clinical, economic, and policy implications of using genomic information in health care. His major research projects include evaluating the economics of personalized medicine, using quantitative methods to inform research prioritization, and assessing the economic and personal utility of whole genome sequencing.

Dr. Veenstra's research has been funded through grants from NIH and the Centers for Disease Control and Prevention. Dr. Veenstra is a member of the National Academy of Medicine (formerly the Institute of Medicine) Roundtable on Translating Genomic-Based Research for Health. Dr. Veenstra's other major research interest is the development of disease simulation, risk-benefit, and cost-effectiveness models to inform managed care decision-making.

He has worked extensively with the Academy of Managed Care Pharmacy to develop guidelines and train decision-makers in the practical use of these methods. Dr. Veenstra is an author or co-author of more than 140 peer-reviewed publications and 5 book chapters.

Kevin G. Volpp, M.D., Ph.D.
University of Pennsylvania
Kevin G. Volpp, M.D., Ph.D., is the founding director of the University of Pennsylvania Center for Health Incentives and Behavioral Economics (CHIBE), director of the National Institute on Aging–funded Penn-CMU

Roybal P30 Center in Behavioral Economics and Health and the Penn-CDC Prevention Research Center, vice chairman for health policy for the Department of Medical Ethics and Policy, and the Janet and John Haas President's Distinguished Professor of Medicine at the Perelman School of Medicine at the University of Pennsylvania and Health Care Management at the Wharton School. Dr. Volpp's work focuses on developing and testing innovative ways of applying insights from behavioral economics in improving patient health behavior and affecting provider performance. Dr. Volpp's research has won many awards including the Matilda White Riley Award for career achievement by the Office of Social and Behavioral Science at NIH, the Association for Clinical and Translational Science Distinguished Investigator Award for Career Achievement and Contribution to Clinical and Translational Science, a Presidential Early Career Award for Scientists and Engineers (PECASE), and multiple "best paper of the year" awards from different societies. Dr. Volpp is an elected member of the American Society of Clinical Investigation, the Association of American Physicians, and the National Academy of Medicine (formerly the Institute of Medicine).

Bruce A. Weinberg, Ph.D.
Ohio State University
Bruce A. Weinberg, Ph.D., received his PhD from the University of Chicago in 1996 before joining the faculty at the Ohio State University, where he is professor of economics and public administration. His research, which has been published in journals including the *American Economic Review*, *Journal of Political Economy*, *Proceedings of the National Academy of the Sciences*, and *Science*, spans three areas: (1) the economics of creativity and innovation; (2) the determinants of youth outcomes and behavior; and (3) technological change, industrial shifts, and the wage structure. Dr. Weinberg has held visiting positions at the Hoover Institution at Stanford University, the National Bureau of Economic Research (NBER), and Princeton University. He is a research fellow at the Institute for Labor and research associate. He is an associate editor of *Regional Science and Urban Economics* and the *New Palgrave Dictionary of Economics*. His research has been supported by the Federal Reserve Bank of Cleveland, NIH, the National Science Foundation, and the Kauffman, Sloan, and Templeton Foundations. He has served on working groups advising the NIH Director on the biomedical research workforce and NextGen initiatives.