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IMPLEMENTING EVIDENCE-BASED PREVENTION BY COMMUNITIES TO PROMOTE COGNITIVE, AFFECTIVE, AND BEHAVIORAL HEALTH IN CHILDREN: A WORKSHOP

Bios for Workshop Speakers and Moderators

Marc Atkins, PhD, is Professor of Psychiatry and Psychology and Director of the Institute for Juvenile Research at the University of Illinois at Chicago. He also directs the Dissemination and Implementation Research and Policy Program for UIC's Center for Clinical and Translational Science. He has been the recipient of several grants from the NIMH and private foundations in the areas of childhood ADHD and aggression and community mental health services for children and families living in high poverty urban communities. His work has examined new models for mental health practice in urban communities to address long-standing disparities in mental health care. He is a frequent consultant to the Chicago Public Schools, as well as the Illinois Division of Mental Health and the Illinois State Board of Education, on guidelines for school and community based mental health programs and practices. He has served on the executive committee of the Academy of Psychological Clinical Science of the Association for Psychological Science and is Past-President of the Society for Clinical Child and Adolescent Psychology (Division 53) of the American Psychological Association.

Gerald J. August, PhD, is a Professor in the Department of Family Social Science at the University of Minnesota. He also serves as Director of an NIHM-funded Center for Personalized Prevention Research in Children's Mental Health and Co-Director of the Institute for Translational Research in Children's Mental Health. Dr. August specialized in the areas of development psychopathology and prevention science. Dr. August is recognized as a national expert in diagnosis and treatment of Attention Deficit Hyperactivity Disorder (ADHD). He has published numerous papers addressing issues pertaining to diagnosis and classification, comorbidity, natural history and treatment. His research interests also include the prevention of childhood conduct problems and associated health compromising behaviors, where early childhood disruptive behavior is conceptualized as a risk factor. He is founder of the Early Risers "Skills for Success" prevention program that has received recognition as a model prevention program by national registries sponsored by NIDA, SAMHSA, and OJJDP. The mission of the Center for Personalized Prevention Research is to understand how interventions designed to prevent the development of serious conduct problems and associated health compromising behaviors in youth can be tailored to ensure the best outcomes for a specific individual or family.

Gary Belkin, MD, PhD, MPH, is currently the Executive Deputy Commissioner of Mental Hygiene I the New York City Department of Health and Mental Hygiene and was most recently the Medical Director for Behavioral Health in the Health and Hospitals Corporation of the City of New York, which operates 11 public hospitals in New York Coty. Dr. Belkin has served as Chief of Psychiatry (Interim) at Bellevue Hospital and has led large delivery systems and policy development in urban health settings through advancing innovative approaches to public mental health. He was Associate Professor in the Department of Psychiatry at New York University School of Medicine, and founding Director of the NYU Program, which was developed to advance innovative implementation and policy approaches to scale and improve population mental health strategies.

Anthony Biglan, PhD, is a Senior Scientist at Oregon Research Institute. His research over the past 30 years has helped to identify effective family, school, and community interventions to prevent the most common and costly problems of childhood and adolescence. Dr. Biglan is a former president of the Society for Prevention Research. He was a member of the Institute of Medicine Committee on Prevention, which released its report in 2009 documenting numerous evidence-based preventive interventions that can prevent multiple problems. His recent review of preventive interventions concluded that diverse psychological, behavioral, and health problems can be prevented through the promotion of nurturing families, schools, and communities. Dr. Biglan's book, *The Nurture Effect: How the science of human behavior can improve our lives and our world* (New Harbinger Publications) describes the progress that behavioral science has made in the past fifty years in improving human wellbeing.

Gil Botvin, PhD, is an internationally known expert on drug abuse and violence prevention who has devoted his career to developing, testing, and dissemination effective preventive interventions. He has been on the faculty of Cornell University's Weill Medical College for over 32 years, where he currently is Professor Emeritus of Healthcare Policy and Research. Previously, he was Professor of Public Health, Professor of Psychiatry, Chief of the Division of Prevention and Health Behavior, and Director of Cornell's Institute for Prevention Research. Dr. Botvin has published over 250 scientific papers and book chapters, is a fellow and past president of the Society for Prevention Research, and is founding editor of its journal, *Prevention Science*. He has received numerous awards including a prestigious MERIT award from the National Institutes of Health for his achievements as an outstanding prevention researcher, and the Society for Prevention Research's Presidential Award for his lifetime contributions to prevention science. Dr. Botvin is the developer of the Life Skills Training (LST) drug abuse and violence prevention program, a Blueprints Model Program endorsed by numerous government agencies and widely used throughout the USA and in 35 countries worldwide. He is also founder and president of National Health Promotion Associates, dedicated to bridging the gap between science and practice. NHPA develops and markets prevention programs such as Life Skills Training, and provides training and technical assistance to educators and prevention practitioners. Dr. Botvin earned his B.A. from Colgate University and his Ph.D. from Columbia University.

C. Hendricks Brown, PhD, MA, is Professor in the Departments of Psychiatry and Behavioral Sciences, Preventive Medicine, and Medical Social Sciences in the Northwestern University Feinberg School of Medicine. He also holds an adjunct appointment in the Department Mental Health at the Johns Hopkins Bloomberg School of Public Health as well as the Department of Public Health Sciences at the Miller School of Medicine at the University of Miami. He directs the NIDA- funded Center for Prevention Implementation Methodology (Ce-PIM) for Drug Abuse and HIV, and an NIMH-funded study to synthesize findings from individual-level data across multiple randomized trials for adolescent depression. He is also the co-director of the CDC funded Prevention of Youth Violence Center. Since 1985, he has received NIH funding to direct the Prevention Science and Methodology Group (PSMG), now a national network of over 250 scientists and methodologists who are working on the design of preventive field trials and their analysis, and implementation of prevention programs. Recently, his work has focused on the prevention of drug abuse, conduct disorder, depression, and suicide. Brown co-chairs the National Academy of Medicine Forum on Promoting Children's Cognitive, Affective, and Behavioral Health has been a member of the recent National Academy of Medicine committee on prevention science, as well as serving on numerous federal panels, advisory boards, and editorial boards.

Linda L. Caldwell, PhD, is Distinguished Professor of Recreation, Park, and Tourism Management and Human Development and Family Studies at The Pennsylvania State University. Her research primarily focuses on interventions that develop youth competencies, promote healthy lifestyles, and reduce risky behavior in and through leisure. She is the co-developer of two interventions that focus on preventing adolescent risk behavior through positive use of free time: TimeWise: Taking Charge of Leisure Time and HealthWise South Africa: Life Skills for Young Adults. Linda is co-author of an edited book, Recreation and Youth Development. She is currently is Chair of the Children and Youth Commission of the World Leisure Association, past-president of the Academy of Leisure Sciences, and an elected member of the American Academy of Park and Recreation Administration.

Gladys Carrión, Esq., has been recognized as a national leader in her the efforts to reform the Juvenile Justice system in New York State and a fearless advocate for children and families involved in the child welfare system. She has received numerous awards and has served on several national advisory committees focused on reforming the juvenile justice and promoting the well-being of young adults. She was appointed Commissioner of the New York City Administration for Children's Services (ACS) in January 2014, where she is charged with providing child welfare, early childhood care and juvenile justice services to the City's most vulnerable children and families. She is now responsible for implementing Close to Home, the City's juvenile justice program. Prior to her appointment to ACS, Gladys Carrión was Commissioner of the Office of Children and Family Services (OCFS), overseeing New York State's child welfare, early childhood care and juvenile justice systems. As OCFS Commissioner, Carrión is credited with implementing a differential response model- FAR-the Family Assessment Response in New York State and overhauling the juvenile justice system. Under her leadership, Carrión shut down 21 juvenile centers, diverting juvenile justice involved youth to less costly and more effective therapeutic programs located closer to home.

Stephen Gies, PhD, has significant experience with program research and evaluation as well as data gathering, data analysis, data base development, and report writing. Currently, he is currently PI for the OJJDP-funded evaluation of safe harbor laws— laws that recognize juveniles involved in CSE as victims and attempt to divert them away from the juvenile justice system. He recently completed another OJJDP-funded evaluation of the Girls Circle program—a gender-specific program model that integrates relational theory, resiliency practices, and skills training in to increase participants' positive connections, competence, and personal and collective strengths, and two NIJ evaluation of the California Department of Corrections and Rehabilitation's (CDCR) program for monitoring high-risk gang and sex offenders. Previously, he directed a 5-year project funded by the Department of Health and Human Services, Administration for Children and Families (ACF), to evaluate the Boys Town Healthy Choices program. Dr Gies also serves as the Quality of Research Review Manager for SAMHSA's National Registry of Evidenced-based Programs and Practices (NREPP) – a searchable online database of mental health and substance abuse interventions. In addition, he is the Deputy Director and principal designer of the OJJDP Model Programs Guide (MPG) and a Senior Reviewer and principal developer of the CrimeSolutions program scoring rating instrument for OJP's CrimeSolutions.gov. In addition, through his work on the MPG, Dr. Gies is currently working with practitioners to identify, understand, and ultimately address barriers to program implementation.

William Hansen, PhD, served as President of Tanglewood Research between 1993 and 2016. He received an honors bachelor of arts degree from the University of Utah in 1974, a Master of Science degree in 1977, and a Ph.D. in 1978 in social psychology, both from the University of Houston. He has served on the faculty at UCLA (1978-1984), the University of Southern California (1980-1989) and Bowman Gray School of Medicine (1989-1996). He has been the Principal Investigator or Project Director on numerous grants and

contracts. US Federal agencies funding his research have included NIDA, NIAAA, CSAP, and the US Department of Education. He is a widely recognized expert in alcohol and drug prevention. He has written numerous curricula for school and community-based prevention, including Project SMART, Project STAR, and All Stars. He has authored over 130 articles in scientific journals on research and evaluation methods, prevention theory, and strategies for successful prevention practice. The goal of his research has been to identify and evaluate evidence-based approaches to prevention that can achieve reductions in the onset of use and that can be applied in everyday settings. In 2001, he was the recipient of the Society for Prevention Research "Science to Practice" award, recognizing his contribution to designing evidence-based approaches to prevention that can be used in real world settings. In 2013, he was named a Fellow of the Society for Prevention Research. Groups that have relied upon Dr. Hansen for advice about prevention include the US Congress' Office of Technology Assessment, the National Institute on Drug Abuse, the National Institute on Alcohol Abuse and Alcoholism, the US Department of Education, the Center for Substance Abuse Prevention, numerous state agencies, numerous foundations, the United Nations, the Swiss, Spanish, Mexican, and Portuguese Departments of Health, and the US Information Agency. Most recently, he served as a member on the National Academy of Sciences/Institute of Medicine Committee, Reducing Underage Drinking. He is currently working with Barnardo's Northern Ireland as the complete a project funded by the Big Lottery to prevention substance use and violence among teenagers.

Christopher Harris is the spiritual leader of Bright Star Church (www.BrightStarChurchChicago.com) in his native Chicago. A noted Gospel and Jazz singer, Pastor Harris has ministered in song in over 20 countries and recorded on over 15 projects. He is also the founder of Bright Star Community Outreach (www.BrightStarCommunityOutreach.com) a 501c3 dedicated to youth anti-violence programs, educational enrichment and school improvement in the Bronzeville Community. He's a National Council Member of AIPAC and travels the country building relationships between African-American and Jewish Clergy. Harris' 2012 trip to Israel prompted the development of the Bronzeville Dream Center based on the Israeli model of NATAL in Tel Aviv.

David J. Kolko, Ph.D., ABPP, is Professor of Psychiatry, Psychology, Pediatrics, and Clinical and Translational Science, at the University of Pittsburgh School of Medicine. He is Director of the Services for Kids In Primary-care (SKIP; www.skipproject.org) program, which is a treatment and research designed to promote integrated pediatric health care. SKIP is housed within the Special Services Unit at Western Psychiatric Institute and Clinic which supports the dissemination of evidence-based practices for children or adolescents served in diverse community settings or systems including juvenile justice, child welfare, pediatric primary care, and mental health. Dr. Kolko is board certified in Child and Adolescent Psychology by the American Board of Professional Psychology. He is a Fellow of the Society of Clinical Child and Adolescent Psychology (Div. 53) and the Society for Child and Family Policy and Practice (Div. 37) of the American Psychological Association. He also serves as Adjunct Staff in the Section of Behavioral Health at Children's Hospital of Pittsburgh. His treatment research interests are related to the integration of pediatric behavioral health services in pediatric primary care and family health centers. Specific areas of current interest include the integration of behavioral health services in pediatric primary care and family health centers, adaptations of the collaborative care model, personalized treatment targets, and the promotion of academic-healthcare partnerships to advance the science of implementation. He is co-developer of Alternatives for Families: A Cognitive Behavioral Therapy (AF-CBT; www.afbt.org), an intervention for family conflict and coercion that is being disseminated across the U.S. and internationally.

Amy Margolis, MPH, is the Director of the Division of Program Development and Operations in the Office of Adolescent Health, and the lead for the Office's National Evidence-based Teen Pregnancy Prevention Program. At OAH, Amy is responsible for developing programmatic and policy guidance, monitoring program implementation, overseeing training and technical assistance for grantees, and communicating lessons learned and program successes. Prior to joining OAH, Amy oversaw research and evaluation projects related to family planning for the Office of Population Affairs. She began her Federal service at the CDC's Division of Adolescent and School Health where she worked with national, state, and local organizations to implement and evaluate school health programs to prevent HIV infection and promote physical activity and healthy eating. She received her MPH from Emory University, her BS from Cornell University, and is a member of the Delta Omega Honorary Society in Public Health.

Velma McBride Murry, PhD, is the Lois Autrey Betts Chair in Education and Human Development, Joe B. Wyatt Distinguished University Professor, and Professor, Human and Organizational Development in Peabody College at Vanderbilt University. Dr. McBride Murry has conducted research on African-American parents and youth for over 15 years and identified proximal, malleable protective factors that deter emotional problems and risk engagement in youth. Findings from these empirical studies informed the development of a curriculum, the Strong African American Families Program, designed to enhance parenting and family processes as well as youths' intrapersonal protective processes to, in turn, encourage youth to delay age at sexual onset and the initiation and escalation of alcohol and drug use. Alcohol and drug use are important contributors to the diseases, including HIV, that afflict this community. She recently completed a National Institute of Mental Health-funded Program, entitled Pathways to African Americans' Success (PAAS) program, involving 412 parents/caregivers and their middle-school-age children, residing in Tennessee. PAAS is a 3-arm RCT designed to test the efficacy and viability of a technology-driven, interactive family-based preventive intervention as a delivery modality for rural families. Findings revealed that PAAS is more effective than the traditional in-person delivery format in inducing intervention targeted behaviors for both parents and youth. Integrating technology in the delivery of evidence-based program is in line with Society for Prevention Research Strategic Plans, as will be discussed in my vision statement below. Dr. McBride Murry is the author of over 100 scientific articles and served on the National Academy of Medicine Consensus Study Committee on Improving the Health, Safety, and Well-Being of Young Adults. She is a member of the National Academies of Medicine, Board of Children Youth and Families and member of Healthy Parenting and Primary Care Task Force, member of USAID Evidence Review Team for Enhancing Child Survival and Development in Lower and Middle-Income Countries; she also chaired the American Psychological Association, Committee on Psychology and AIDS. She has received numerous awards, including 2014 Society for Prevention Research Award, for Contributions in Community, Culture and Prevention Science, and 2014 American Psychological Association Presidential Citation, Distinguished Research and Contributions for Children, Youth, and HIV/AIDS.

Patrick O'Carroll, MD, MPH, FACP, is the Regional Health Administrator for Region X (AL, ID, OR and WA) of the U.S. Public Health Service (USPHS). RADM O'Carroll received his medical degree and his Masters in Public Health from Johns Hopkins University in 1983. After training in family practice and preventative medicine, Dr. O'Carroll later led the epidemiology research unit for the prevention of suicide and violence at CDC's National Center for Injury Prevention Control. In 1992, RADM O'Carroll began working in the nascent field of public health informatics. He co-led the development of CDC WONDER, was lead scientist on the CDC Prevention Guidelines Database project, and developed the nation's first training course and textbook in public health informatics. As Associate Director for Health Informatics at CDC's Public Health Practice Program Office, he developed and directed CDC's Health Alert Network

program. In 2001, Dr. O'Carroll was assigned to the University of Washington's Northwest Center for Public Health Preparedness on public health informatics issues related to workforce development. In this assignment, he led the development of an explicit set of informatics competencies to guide training for public health professionals. In January 2003, he began his current assignment as Regional Health Administrator. In his 30+ years with CDC and USPHS, RADM O'Carroll has received numerous awards and recognition for his work including two Outstanding Service Medals. He holds Affiliate Associate Professor appointments, in the Department of Epidemiology Health Services at the University of Washington School of Public Health and Community Medicine, and is also Affiliate Associate Professor in the Division of Biomedical and Health Informatics, University of Washington School of Medicine.

Manuel Ángel Oscós-Sánchez, MD, is a Professor of Medicine in the Department of Family and Community Medicine at the University of Texas Health Science Center at San Antonio. Since 2005 he has sustained a successful community-academic research partnership with the use of a community-controlled model of Community Based Participatory Action Research to develop, implement, and evaluate youth violence prevention programs in a Latino community with the use of a Positive Youth Development framework. Community members (primarily adolescents and their parents) are full participants in the research process. The community has participated in conception, design, grant submissions, data collection, intervention development and implementation, data analysis and interpretation, and dissemination of results.

Heidi Peterson currently works as the Director for Tooele City's Communities That Care. As such, she coordinates efforts to identify local risk and protective factors, then implement evidence-based programming to positively affect outcomes. She is passionate about helping families and youth to thrive and specializes in suicide prevention, training community members and key leaders in suicide prevention and post-vention best practices. She studied Office Administration at Dixie State College in St. George, Utah. She enjoys playing the piano, traveling, and spending time anywhere with her 4 children and 2 grandchildren.

Richard Spoth, PhD, is the F. Wendell Miller Senior Prevention Scientist and the Director of the Partnerships in Prevention Science Institute at Iowa State University. He provides oversight for an interrelated set of projects addressing a range of research questions on prevention program engagement, program effectiveness, culturally-competent programming, and dissemination of evidence-based programs through community-university partnerships. Among his NIH-funded projects, Dr. Spoth received a MERIT Award from the National Institute on Drug Abuse for a large-scale study evaluating combined family- and school-based interventions. Dr. Spoth has served on numerous federally-sponsored expert and technical review panels addressing issues in prevention research and research-practice integration. He has been invited to testify and brief Congress, to present to the Advisory Group for the White House's National Prevention Council, and to represent the prevention field on panels sponsored by the United Nations Office on Drugs and Crime. With this work, Dr. Spoth received the Prevention Science Award from the Society for Prevention Research for outstanding contributions to advancing the field of prevention science, as well as the Service to the Society for Prevention Research Award, for leadership on the Task Force on Type 2 translation research, and the Presidential Award, for lifetime scientific achievement.

Stacy Sterling, DrPH, MSW, is a Scientist with the Drug and Alcohol Research Team (DART) at the Kaiser Permanente Northern California Division of Research. Her current research focus is on developing systems for implementing evidence-based, integrated behavioral health services into primary care. She is the Principal Investigator of a Conrad N. Hilton Foundation-funded study to develop predictive models for adolescent substance use problem development, and of a Hilton Foundation-funded trial of single vs. multi-session

SBIRT for adolescents and parents in pediatric primary care, the Kaiser P.I. of an NIH/NIAAA adolescent SBIRT trial in pediatric primary care and of an NIH/NIAAA survey of Pediatrician attitudes toward and practices of adolescent behavioral health risk screening and intervention; and of Robert Wood Johnson Foundation and Center for Substance Abuse Treatment-funded studies of adolescents in drug and alcohol treatment in Kaiser. She has also overseen the implementation of region-wide alcohol Screening, Brief Intervention and Referral to Treatment (SBIRT) in KPNC adult primary care.

Albert Terrillon, PhD, is the Deputy Director for Evaluation and Research for the Community Anti-Drug Coalitions of America's (CADCA) federally-funded National Coalition Institute. He is a health professional with over twenty years of experience at the local, state, and national level. He has worked both in and with rural and urban communities in Louisiana, Virginia, and other states and territories. His work has included building partnerships between health systems and community groups and supporting communities use data and evidence-based practices to improve health outcomes. He is originally from New Orleans where he worked in academic translational research, community improvement, and health workforce training and prevention education. A native of New Orleans, Dr. Terrillon led several local initiatives to support the city's recovery from Hurricane Katrina. He holds a Doctor of Public Health from Tulane University's School of Public Health and Tropical Medicine with graduate degrees in education and organizational development.

Sue Thau is a Public Policy Consultant representing Community Anti-Drug Coalitions of America (CADCA). She is nationally recognized for her advocacy and legislative accomplishments on behalf of the substance abuse prevention field. She has an extensive background in public policy and has held high positions at the federal, state, and local levels. She was a Budget Examiner and Legislative Analyst at the Office of Management and Budget, in the Executive Office of the President for over ten years. Sue was a driving force behind the passage, reauthorization and full funding of the Drug-Free Communities Act. In addition, Sue has worked to save and enhance funding for all federal substance abuse prevention and treatment programs over the last two decades. She is highly respected as an expert on demand reduction issues by members of Congress and staff on both sides of the aisle on Capitol Hill. Sue has an undergraduate degree from Cornell University in Human Development and Family Studies and a Master's Degree from Rutgers University in City and Regional Planning.

Patrick H. Tolan, PhD, is Professor of Education and of Psychiatry and Neurobehavioral Sciences at the University of Virginia where he is Director of Youth-Nex: The UVA Center to Promote Effective Youth Development. Youth-Nex is a cross-university, multidisciplinary center to advance prevention of problems affecting youth and to promote healthy development. Prior to starting this center in August 2009, Dr. Tolan directed the interdisciplinary children's mental health research and training Institute for Juvenile Research at the University of Illinois for the prior 10 years. He is Emeritus Professor at the University of Illinois. For the past thirty years he has conducted longitudinal research with multiple collaborators on an ecological-developmental understanding of youth psychological and social functioning with much of that work focused on high-risk communities and carried out through randomized prevention and positive development promotion trials. He also contributes to promoting use of empirically tested approaches to promote child and adolescent mental health. Dr. Tolan is a fellow of five divisions of American Psychological Association, of the Society for Research in Aggression and of the Society for Experimental Criminology. In 2007 he was awarded the Star of Science award from the Children's Brain Research Foundation and in 2008 received a Presidential Citation from the American Psychological Association for his work. He was named the 2016 recipient of the Nicholas Hobbs Award from the Society for Child and Family Policy and Practice.

Leslie Walker-Harding, PhD, is Professor and Vice Chair of Faculty Affairs in the Department of Pediatrics and Chief of the Division of Adolescent Medicine at the University of Washington and Seattle Children's Hospital. She is the co-director of Seattle Children's Adolescent Substance Abuse Program (ASAP). She is the director of the Maternal and Child Health funded multidisciplinary training program for Leadership in Adolescent Health (LEAH). Her research has been focused on adolescent risk behaviors, adolescent and young adult substance abuse and ADHD to adolescent pregnancy prevention. She is a Past President of the Society for Adolescent Health and Medicine. Dr. Walker – Harding is appointed to the American Academy of Pediatrics national Committee on Substance Use and Prevention (COSUP) and elected to the American Pediatric Society (APS) council.

Ellen-Marie Whelan, PhD, is the Chief Population Health Officer for the CMS Center for Medicaid and CHIP Services (CMCS) providing clinical input and guidance for the health coverage for nearly 70 million people who are served by Medicaid and CHIP and a Senior Advisor at the CMS Center for Medicare and Medicaid Innovation (CMMI), coordinating the pediatric portfolio across the Center. In both positions Dr. Whelan assists in the design, implementation and testing of delivery system transformation and payment reform initiatives. Before CMS, Dr. Whelan was the Associate Director of Health Policy at the Center for American Progress. Her research, publications, and speaking engagements focused on the development and passage of the Patient Protection and Affordable Care Act, system delivery and payment reform, safety net providers, primary care, and health workforce policy. Prior to joining CAP, she was a health policy advisor in the U.S. Senate for five years – working for both Senate Democratic Leader Tom Daschle, as a Robert Wood Johnson Health Policy Fellow and as Staff Director for the Subcommittee on Aging to the U.S. Senate Committee on Health, Education, Labor and Pensions with Senator Barbara Mikulski. Before coming to Capitol Hill, Dr. Whelan was a health services researcher and faculty member at the University of Pennsylvania and Johns Hopkins University and practiced as nurse practitioner for over a decade. She has worked in a variety of primary care settings and started an adolescent primary care clinic in West Philadelphia. Dr. Whelan holds a bachelor's degree from Georgetown University, a master's degree and Ph.D. from the University of Pennsylvania and The Leonard Davis Institute of Health Economics and completed a postdoctoral fellowship in primary care policy with Barbara Starfield, MD at the Johns Hopkins School of Public Health.