

# **Approaches to Assessing Intake of Food and Dietary Supplements in Pregnant Women and Children 2 to 11 Years of Age: A Workshop Series**

## **Committee**

### **Cheryl A. Anderson**

#### **Chair**

Cheryl Anderson (NAM), PhD is Professor and Dean of the University of California San Diego Herbert Wertheim School of Public Health and Human Longevity Science, with a joint appointment in the Department of Medicine Division of Nephrology and Hypertension. She serves as Director of the UC San Diego Center of Excellence in Health Promotion and Equity. Dr. Anderson's research is focused on nutrition and chronic disease prevention with a goal of equitably improving human health; including development of nutrition policy strategies for prevention of cardiovascular disease, chronic kidney disease, and diet-related cancers; and promotion of health behavior and elimination of health disparities by personal and environmental factors. Dr. Anderson has served on the Pan American Health Organization's Technical Advisory Group on Cardiovascular Disease Prevention through Dietary Salt Reduction, the National Academy of Medicine's Food and Nutrition Board, and the 2015 US Dietary Guidelines Advisory Committee. She is the Chair of the American Heart Association (AHA) Council of Epidemiology and Prevention and immediate past Chair of the AHA nutrition committee. She currently serves on the editorial board of *Circulation* and *Annual Reviews of Nutrition*. Dr. Anderson was elected to the U.S. National Academy of Medicine in 2016. She has a B.S. from Brown University, an M.P.H. from the University of North Carolina at Chapel Hill, and an M.S. in epidemiology and Ph.D. in nutritional sciences from the University of Washington School of Public Health and Community Medicine.

# **Dana Dabelea**

## **Member**

Dana Dabelea, MD, PhD is Professor of Epidemiology and Pediatrics, and Director of the Lifecourse Epidemiology of Adiposity and Diabetes (LEAD) Center at the University of Colorado Anschutz Medical Campus (UC AMC). She is a national leader in studies of the prenatal and postnatal developmental, environmental and behavioral factors contributing to childhood obesity, metabolic syndrome and diabetes, and their consequences throughout the lifespan. Her experience includes perinatal, pediatric and adult studies with community-based and clinic-based sampling, and longitudinal follow-up. As Director on the LEAD Center she oversees several NIH and CDC -funded grants totaling a budget of over \$ 18 million. Dr. Dabelea has a record of engaging and mentoring students, fellows and junior faculty across many research projects. Dr. Dabelea is a recipient of the UC AMC Graduate School's Mentoring Award, the American Diabetes Association Kelly West Award for Epidemiology, and UC System Elizabeth D. Gee Memorial Lectureship Award, which recognizes and honors an outstanding faculty member of the University of Colorado for efforts to advance women in academia, interdisciplinary scholarly contributions, and distinguished teaching. She received her MD degree (1990) and her PhD degree in Clinical Sciences (1997) from the University of Medicine and Pharmacy Timisoara, Romania.

# Stephen R. Daniels

## Member

Stephen R. Daniels, M.D., Ph.D., is professor and chair of Department of Pediatrics at University of Colorado School of Medicine. He is also pediatrician-in-chief and L. Joseph Butterfield chair in Pediatrics at The Children's Hospital. Dr. Daniels held numerous academic and clinical appointments at the University of Cincinnati College of Medicine and the Cincinnati Children's Hospital before joining the University of Colorado School of Medicine and The Children's Hospital. His area of expertise is in preventive cardiology, with a longtime interest in the application of sophisticated epidemiologic and biostatistical methods to pediatric clinical research problems. The role of lifestyle factors, such as diet and physical activity, is central to many of Dr. Daniels' studies. Dr. Daniels has received numerous awards and honors throughout his career. He has been an active participant and leader in many national investigative committees and study sections, including the American Academy of Pediatrics' Committee on Nutrition, the American Heart Association's Council for Cardiovascular Disease in the Young, and the International Pediatric Hypertension Association's Executive Board, which he recently chaired. He has also served as a frequent participant in grant review study sections and science panels of the National Institutes of Health (NIH). Dr. Daniels has served as Associate Editor for the Journal of Pediatrics since 1995. Dr. Daniels has served as Associate Editor for the Journal of Pediatrics since 1995. He is co-author of Medical Epidemiology, an introductory textbook for medical students, and co-author and editor of the book Pediatric Prevention of Atherosclerotic Cardiovascular Disease. In 2015, he was awarded the Gold Heart Award by the American Heart Association, which is the AHA's highest volunteer honor. In 2020, Dr. Daniels was elected into membership in the American Association of Physicians. He earned his M.D. from the University of Chicago in 1977, his M.P.H. from Harvard University in 1979, and his Ph.D. in epidemiology from the University of North Carolina in 1989. He completed his residency in pediatrics and his fellowship in pediatric cardiology at the Cincinnati Children's Hospital Medical Center, in 1981 and 1984, respectively.

## **Esa M. Davis**

### **Member**

Esa M. Davis, M.D., M.P.H., F.A.A.F.P., is an Associate Professor of Medicine, Clinical and Translational Science at the University of Pittsburgh School of Medicine. Dr. Davis is a practicing family physician, who maintains a busy primary care practice at UPMC Montefiore Hospital and coordinates a women's health contraception clinic at Children's Primary Care Center in Turtle Creek, PA. Dr. Davis's research areas of interest include understanding perinatal determinants of maternal obesity and associated adverse health outcomes. Her research has contributed new knowledge on the relationship of perinatal risk factors for maternal obesity and associated racial disparities, and related adverse health outcomes, such as gestational diabetes and peripartum cardiomyopathy. She has served on prior National Academy of Medicine committees including Implementation and Dissemination of 2009 Pregnancy Weight Gain Guidelines; Understanding the Dynamic Relationship between Biology, Environment and Early Childhood Development on Risk of Obesity; and Strategies to Limit Sugar-Sweetened Beverage Consumption in Young Children. Dr. Davis earned her medical degree from the UMDNJ-New Jersey Medical School and completed a residency in Family Medicine at Overlook Hospital in New Jersey. She completed her postdoctoral research fellowship as a Robert Wood Johnson Clinical Scholar and a National Research Service Award Fellow at Johns Hopkins University School of Medicine. She earned her Master of Public Health Degree from the Johns Hopkins University Bloomberg School of Public Health. She was also a Robert Wood Johnson Harold Amos and an AHRQ K12 Comparative Effectiveness Research Scholar.

## **Erica P. Gunderson**

### **Member**

Erica P. Gunderson, Ph.D., M.S., M.P.H., R.D., is an epidemiologist and Research Scientist III at the Division of Research (DOR), Kaiser Permanente Northern California (KPNC). Her research program elucidates the roles of pregnancy and lactation in development of cardiometabolic disease in women during mid-life, as well as fetal life and early postnatal behaviors affecting metabolic health of offspring exposed to maternal obesity and diabetes. Her studies are among the first to evaluate the continuum from preconception through pregnancy and postpartum lactation in relation to future health in women. She is PI of the Study of Women, Infant Feeding and Type 2 Diabetes after Gestational Diabetes Pregnancy (SWIFT), a diverse prospective cohort of over 1,000 women with gestational diabetes to investigate risk factors for progression to type 2 diabetes. Her early career experience involved provision clinical medical nutrition therapy (RD and CDE) to pregnant women in Los Angeles County public health settings and in California's Sweet Success, Diabetes and Pregnancy Program, and the WIC Program. Dr. Gunderson received her Ph.D. in epidemiology from the University of California at Berkeley and the Warren Winkelstein Award for Excellence in Graduate Studies in Epidemiology, her M.P.H. and M.S. degrees in nutritional sciences and public health from the University of California at Berkeley, and B.S. degree in biological sciences from Stanford University. Dr. Gunderson was a member of the Organizing Committee on Lactation and Future Risk of Cardiometabolic Diseases in Women for the Institute of Medicine, National Academy of Sciences Workshop on Nutrition During Pregnancy and Lactation. Washington, D.C., January 29-30, 2020. She is internationally recognized for her life-course studies of women of diverse race-ethnicities across the childbearing years through mid-life. She has authored more than 125 peer-reviewed original research papers and reviews on the pregnancy and lactation-related lasting effects on obesity, metabolomics, and cardiometabolic health in women.

## **Lisa J. Harnack**

### **Member**

Lisa J. Harnack is a Professor in the School of Public Health at the University of Minnesota. She also serves as the Director of the Nutrition Coordinating Center and Co-Director of the Healthy Weight Research Center at the University of Minnesota. Her research focuses on developing improved methods and databases for assessing food and nutrient intake. In addition, she carries out research to identify policies and programs that may alleviate nutrition inequities. She is trained in both nutrition (BS in dietetics from the University of Wisconsin Stout) and public health nutrition (MPH and DrPH from the University of California at Berkeley). In 2009 Dr. Harnack served as a member of the Institute of Medicine Committee to Review the National School Lunch Program and School Breakfast Meal Patterns and Nutrient Standards.

# Amy H. Herring

## Member

Amy Herring is the Sara and Charles Ayres Distinguished Professor of Statistical Science at Duke University, with secondary appointments in Global Health and Biostatistics & Bioinformatics. She received her ScD in biostatistics at Harvard University in 2000. Her research focuses on methodological work in statistics and collaborations in public health and medicine, and she has published over 275 peer-reviewed manuscripts in these areas. Her methodological research program is supported by NIH, and her research interests lie in methods for longitudinal and multivariate data, missing or mis-measured data, and Bayesian inference. Her collaborative interests include maternal and child health, nutrition, and reproductive and environmental epidemiology. Dr. Herring has held major leadership positions in numerous professional organizations, including as President of ENAR (the largest professional organization of biostatisticians in North America); Chair of the Biometrics Section and Chair-Elect of the Section on Bayesian Statistical Science of the American Statistical Association; as Executive Secretary of the International Society for Bayesian Analysis; and on the Executive Board of the International Biometric Society. Dr. Herring is currently a member of the NASEM Committee on Applied and Theoretical Statistics. She has received numerous awards for her work, including the Janet L. Norwood Award for Outstanding Achievement by a Woman in Statistical Sciences (2019), the Lagakos Distinguished Alumni Award from the Harvard University Department of Biostatistics (2018), the Mortimer Spiegelman Award for outstanding public health statistician under age 40 (2012) from the American Public Health Association, and the Gertrude M. Cox Award for outstanding contributions to applied statistics (2012) from the Washington Statistical Society and RTI. She is an Elected Fellow of the American Statistical Association and the International Statistics Institute.

## **Anna M. Siega-Riz**

### **Member**

Anna Maria Siega-Riz, Ph.D., M.S., Dean and Professor, Departments of Nutrition, and Biostatistics and Epidemiology, School of Public Health and Health Sciences, University of Massachusetts, Amherst. Dr. Siega-Riz's research focuses on the first 1,000 days of life by understanding the influence of maternal weight status and dietary patterns/behaviors in the etiology of adverse pregnancy outcomes, including but not limited to, gestational diabetes, pregnancy induced hypertension, pre-eclampsia, preterm birth, and inadequate or excessive gestational weight gain. She is also exploring food reward and sensitivity among pregnant women and early determinants of childhood obesity and the association of maternal preconceptional health with childhood eating and weight status among Hispanics. Dr. Siega-Riz holds a B.S.P.H. from the University of North Carolina School of Public Health, an M.S. in Food, Nutrition, and Food Service Management from the University of North Carolina at Greensboro, and a Ph.D. in Nutrition with a minor in Epidemiology from the University of North Carolina School of Public Health. She held the credentials of a registered dietician from 1983-2014. Dr. Siega-Riz currently serves on the National Institute of Health's Council of Councils, National Academies of Sciences, Engineering, and Medicine's Health and Medicine Division Advisory Committee, the Food and Nutrition Board, and as a board of trustees member for the International Food Information Council. Previously she served on the 2015 Dietary Guidelines Federal Advisory Committee; the National Heart, Lung, and Blood Institute Advisory Council; the U.S. Department of Agriculture/U.S. Department of Health and Human Services Pregnancy Technical Expert Committee, B-24-month Project; and five Institute of Medicine committees as well as chaired the Nutrition During Pregnancy and Lactation: Exploring New Evidence - A Workshop held in 2020.