

APHA Food and Nutrition Section

2009 Annual Meeting Program & Activities- Philadelphia, PA

NOTE: Sessions listed in italics have been organized by another section, SPIG, or caucus but are endorsed by Food and Nutrition. Room numbers are available for FNS sessions only.

Saturday, November 7, 2009

11:00 AM-4:30 PM

APHA Food & Environment -Philly Food Systems bus tour

Local sustainable lunch included! Tour led in part by our guide from the Mayor's Office:
Greensgrow Farm - Urban Nutrition Initiative - Clark Park Farmers Market - Milk & Honey Café
- Healthy Corner Store site - Weavers' Way - Fair Food Farm Stand @ Reading Terminal

Cost: \$35, lunch included - More information at: <http://www.brownpapertickets.com/event/85009>

Questions: email rklein@jhsph.edu or get event information on the group's website:

<http://www.foodenvironment.com/>

5:30 PM-7:30 PM

123.0 [Food and Nutrition Section Business Meeting](#) Room: PCC 109B

Healthy People 2020 Goals Public Hearing

For time- Register at link provided

One of the nation's 3 regional public hearings about the Healthy People 2020 goals will be taking place in Philadelphia on Saturday November 7, at the Thomas Jefferson University School of Population Health. You must register if you want to testify. To register and for more info, go to:

www.healthypeople.gov/hp2020/regional/default.asp

Sunday, November 8, 2009

2:00 PM-5:00 PM

245.0 [Food and Nutrition Section Business Meeting](#) Room: PCC 109B

2:30 PM-3:30 PM

2045.0 [Substance Abuse, Obesity, Risk Behaviors, and Policy](#) (Poster Session)

4:30 PM-5:30 PM

2058.0 [Maternal, Infant, Child, and Adolescent Epidemiology Poster Session](#)

2059.0 [Obesity and Nutrition Poster Session](#)

6:00 PM-7:00 PM

287.1 [Breastfeeding Forum Business Meeting](#)

Room: Marriott, 306

Organized by: [Breastfeeding Forum](#)

6:30 PM-8:30 PM

293.0 [Food and Nutrition Section Awards Reception](#) Room: PCC 107B

Monday, November 9, 2009

7:00 AM-8:00 AM

312.0 [Food and Nutrition Section Program Planning Meeting](#) Room: PCC 104B

8:30 AM-10:00 AM

3014.0 [Public Health in an Era of Resource Depletion: Ensuring Access to Water, Food, and Energy](#) - Oral

The depletion of resources fundamental to human life is shaping the health of entire populations, particularly socially and economically disadvantaged groups. Clean, accessible water is becoming increasingly scarce; hunger and food insecurity are on the rise world wide; and a changing climate driven by fossil fuel dependency poses myriad threats to human survival. While none of these phenomena are new, their convergence and the resulting intensification present challenges more complex than any we have seen before. Addressing them requires immediate and prolonged action on many fronts. This session features experts on three separate but interrelated resource issues: the global right to water; health impacts of peak petroleum; and food security in the global context. It will be moderated by Dr. Robert Lawrence, Director of the Johns Hopkins Center for a Livable Future.

Session Objectives: 1. List some of the major causes of depletion of water, food and energy resources and the major barriers to access to these resources, particularly by disadvantaged populations. 2. Analyze how the interactions between these major resource crises affect public health. 3. Discuss key policy and programmatic efforts to improve access to and secure the sustainability of these resources using a public health approach.

Moderator: [Robert S. Lawrence](#), MD

Organizer: [Rebecca A. Klein](#), MS

8:30 AM [Addressing public health threats from depleted and degraded water resources](#)

Wenonah Hauter

8:50 AM [Eat, drink, and deplete? Long-term threats to health, environment and food systems, and food security policies needed to reverse them](#)

Patrick Webb, PhD

9:10 AM [Peak Petroleum and Public Health](#)

Howard Frumkin, MD, DrPH

Organized by: [APHA-Special Sessions](#)

Endorsed by: Environment, Food and Nutrition

3030.0 [Examining Food and Water Systems](#) - Oral

Room: PCC 103A

Healthy and sustainable food and water systems have emerged as important foundations that should be closely considered as modern society expands. Views from the global to the community level will be provided along with promising policies that can improve food and water systems and impact public health. Speakers will provide perspectives on trends in imported produce, community food assessments, treatment of emerging water contaminants and a vision for healthful food.

Session Objectives: 1)Describe components of sustainable food systems and policies, programs or partners that can influence healthy and safe food supplies 2)Discuss methods for examining food and water systems and their impact on public health risks 3)Compare policies influencing food systems and consider partners to include in development or implementation of approaches to improve public health and safety

Moderator: [Linda G. Snetselaar](#), PhD, RD

8:30 AM [Poisoned fruit: The rising consumption and waning regulation of imported produce](#)

Elanor Starmer

8:50 AM [Day\(s\) After: A Case Study of Food Systems Work after Conducting a Comprehensive Food Systems Assessment](#)

Paula Jones, PhD (c) and Fernando Ona, PhD, MPH

9:10 AM [A Vision for Healthful Food: Expanding the Lens From Nutrients to Food Systems](#)

Sana Chehimi, MPH, Leslie Mikkelsen, MPH, RD and Juliet Sims, RD, MPH

9:30 AM [Water: Better the second time around](#)

Eric G. Handler, MD, MPH, FAAP, Richard Sanchez, MPH, REHS and Larry Honeybourne, MS, REHS
Organized by: [Food and Nutrition](#)

3031.0 [Impact of Policy Approaches to Competitive Foods and Beverages in Schools](#) -**Oral**

Room: PCC 105B

Changes to the school environment are continually being made in response to the childhood overweight epidemic. Though most are in agreement that these changes have been long overdue, little is within the published literature about the impact of these changes on eating behavior. The speakers within this session will describe the various legislation that has been put in place around sugar sweetened beverages, and foods of minimal nutritional value. They will describe the impact of these interventions as well as identify variables that are thought to contribute to the success of these policies.

Session Objectives: 1) Evaluate the impact of sugar sweetened beverage policies and foods of minimal nutritional value policies on consumption patterns 2) Identify factors that are correlated with the ability for schools to comply with the policies 3) Describe a strategy (needs assessment) that could be used to promote implementation of the policies for changing the school food environment

Moderator: [Deirdra Chester](#), PhD, RD, LD/N

8:30 AM [Impact of Maine's state-wide nutrition policy on the sale of "foods of minimal nutritional value" in high schools](#)

Janet Whatley Blum, ScD, Christina Beaudoin, PhD, Liam O'Brien, PhD, Michele Polacsek, PhD, MHS, David E. Harris, PhD and Karen O'Rourke, MPH

8:50 AM [Predictors of adherence to food and beverage standards in California high schools](#)

Pat Crawford, RD, DrPH, Gail Woodward-Lopez, MPH, RD, Janice Kao, MPH, Sally J. Lawrence, MPH, Lisa Craypo, MPH, RD, Peggy Agron, MS, RD and Sarah Samuels, DrPH

9:10 AM [Impact of competitive food standards on school food environments: The HEAC school experience 2005 to 2008](#)

Lisa Craypo, MPH, RD, Sarah Samuels, DrPH, Sarah E. Clark, Krista Stiffler, MPH and Jason Barry, MA

9:30 AM [Using a Needs Assessment Process to Develop Comprehensive State-wide Competitive Foods Standards](#)

Elizabeth Walker, MS and Dia Adams

Organized by: [Food and Nutrition](#)

Endorsed by: Maternal and Child Health, Socialist Caucus

3040.0 [Food Security Policy and Addressing Malnutrition](#) -**Oral**

This panel will provide a broad overview of US and international policy related to hunger and food security and progress made to address these issues in the past year.

Session Objectives: 1 - Analyze recent US legislation to address the hunger worldwide 2 - Review progress and setbacks since the IAASTD meeting in April 2008 3 - Provide a broad overview of food security worldwide after the 2008 food crisis

Organizer: [Donna Barry](#), NP MPH

Moderator: [Donna Barry](#), NP MPH

8:30 AM [New US Legislation to Alleviate Hunger](#)

Donna Barry, NP MPH

8:50 AM [Food Security Overview "post" Food 2008 Food Crisis](#)

Marcia Ishii-Eiteman, PhD

9:10 AM [IAASTD Update](#)

Molly D. Anderson

Organized by: [International Health](#)

Endorsed by: Food and Nutrition, Socialist Caucus

3046.0 [Evaluating Breastfeeding Programs](#) -Oral

Infant feeding practices establish the foundation for lifelong health through physiological and behavioral pathways. Even though breastfeeding is “the preferred choice of feeding for all infants,” only 11.3% of infants are breastfed exclusively for six months—the AAP recommendation. Breastfeeding is not more widely adopted because of the lack of support at a fundamental level. The health care system and the formula industry, and not just individual mothers' choices, have contributed to suboptimal infant nutrition. This session discusses system level changes to improve exclusive breastfeeding, including maternal standards and establishing hospital and provider training and resources. Individual factors including maternal depression, confidence and competing demands are also examined in the context of the ecological model.

Session Objectives: Describe methods to improve exclusive breastfeeding through system changes. Examine individual factors that effect exclusive breastfeeding including maternal depression and confidence.

Organizers: [Mary Rose Tully](#), MPH, IBCLC and [Jan Weingrad Smith](#), Cnm, MPH

Moderator: [Ann M. Dozier](#), RN, PhD

8:30 AM [System-level pathways to overcoming barriers to optimal infant feeding practices in maternity care](#)

Roger A. Edwards, ScD

8:48 AM [Evaluating systems interventions to increase breastfeeding among minority women utilizing mixed methods: A case study in an urban public hospital](#)

Nancy VanDevanter, DrPH, RN, Susan Gennaro, DSN, FAAN and Wendy Budin, PhD, RN-BC

9:06 AM [In Hospital and Public Health Collaboration to improve exclusive breastfeeding rates: The BEST program](#)

Eric G. Walsh, MD, MPH and Gowri Madhavan, MPH

9:24 AM [Interaction between sociodemographic and psychosocial factors on the initiation of breastfeeding in a population of African American mothers in the District of Columbia](#)

Ayman El-Mohandes, MD, MBBCh, MPH, Michele Kiely, DrPH, Marie Gantz, PhD and M. Nabil El-Khorazaty, PhD

9:42 AM [Factors associated with early skin-to-skin mother/infant contact during the first 3 hours following birth](#)

Leslie Bramson, DrPH, RN, IBCLC, Jerry W. Lee, PhD, Susanne Montgomery, PhD, MPH, MS, Elizabeth Moore, RN PhD, Christine Neish, PhD and Khaled Bahjri, MPH MD

Organized by: [Maternal and Child Health](#)

Endorsed by: Food and Nutrition, Latino Caucus, Socialist Caucus, Social Work, Women's Caucus

8:30 AM-10:30 AM

3031.1 [Food Security: Barriers and Supports](#) -Oral

Room: PCC 108A

Food banks, welfare programs and emergency food providers experience a surge in participation during difficult economic times. With increased demand on assistance systems, it is important to not only consider areas that are critical to providing needed services, but the social and personal aspects of food insecurity. Session presenters will provide insight into methods used to learn streams of work needed to deliver healthier foods and services in food banks. Women experiencing hunger first hand will present a photo-voice project directed at increasing awareness among policy-makers to advocate for needed policy level approaches to food insecurity. Methods to expose the weaknesses of the welfare systems and proposed initiatives to streamline the process with a vision for it to address social justice will be presented.

Session Objectives: 1) Describe areas for improvement in providing welfare and food assistance programs in the US 2) Explain challenges faced by low-income single women facing food insecurity and approaches used to inform policy-makers of action for change 3) Describe how approaches to food insecurity and hunger can be viewed as a human rights issue and should address prevention instead of emergency assistance

Moderator: [Timothy Winter](#)

8:30 AM [Developing a plan to provide healthier foods through food banks and other emergency food providers](#)

Karen Webb, Michael Flood, Marla Feldman, Kenneth Hecht, JD, Elizabeth Campbell and Pat Crawford

8:50 AM [Witnesses to Hunger: Mothers taking action to improve health policy](#)

Mariana Chilton, PhD, MPH, Jennifer Kolker, MPH and Jenny Rabinowich, BA

9:10 AM [I am a Witness to Hunger](#)

Erica Smalley, Imani Sullivan, Whitney Henry and Mariana Chilton, PhD, MPH

9:30 AM [Help and hindrance of welfare policies from the perspectives of low-income mothers](#)

Christina Council, Augusta M. Villanueva, PhD and Mariana Chilton, PhD, MPH

Organized by: [Food and Nutrition](#)

Endorsed by: Socialist Caucus, Social Work

10:30 AM-12:00 PM

3119.0 [MRSA and Antibiotic Use in Animal Agriculture: An Emerging Health Threat Down on the Farm](#) - **JOINTLY SPONSORED BY ENVIRONMENT AND FOOD/NUTRITION** -Oral

The depletion of resources fundamental to human life is shaping the health of entire populations, particularly socially and economically disadvantaged groups. Clean, accessible water is becoming increasingly scarce; hunger and food insecurity are on the rise world wide; and a changing climate driven by fossil fuel dependency poses myriad threats to human survival. While none of these phenomena are new, their convergence and the resulting intensification present challenges more complex than any we have seen before. Addressing them requires immediate and prolonged action on many fronts. This session features experts on three separate but interrelated resource issues: the global right to water; health impacts of peak petroleum; and food security in the global context. It will be moderated by Dr. Robert Lawrence, Director of the Johns Hopkins Center for a Livable Future.

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Organized by: [APHA-Special Sessions](#)

Endorsed by: Environment, Food and Nutrition

3123.0 [Epidemiology of Adolescent Health](#) -Oral

This interesting session will focus on various issues related to the epidemiology of adolescent health. Presentations will include adolescent obesity, human papillomavirus vaccination, high school completion among teen mothers and water pipe smoking among teenagers. Another presentation will discuss the possible effects of exposures during adolescence on the birth weight of future offspring.

Session Objectives: 1. Identify and evaluate characteristics of neighborhoods that affect the risk of adolescent obesity above and beyond individual birth, maternal, and family characteristics. 2. Describe the rate of the three-dose regimen completion of the HPV vaccine. 3. Identify specific risk and protective factors that predict high school progress and completion for teen mothers.

Moderator: [Polly Marchbanks](#)

10:30 AM [Introductory Remarks](#)

10:35 AM [Effects of neighborhood SES and racial/ethnic composition on adolescent obesity: A multilevel, multi-cohort analysis](#)

Norman J. Waitzman, PhD, Rebecca L. Utz, PhD and JaeWhan Kim, PhD

10:50 AM [Role of parental early-life and proximal risk exposures on low birth weight in offspring](#)

Amelia R. Gavin, PhD

11:05 AM [Correlates for HPV Vaccine Three-Dose Regimen Completion in Adolescent Girls and Young Women in a Managed Care Organization](#)

Chun Chao, PhD, Christine Velicer, PhD, Jeff M. Slezak, MS and Steven J. Jacobsen, MD, PhD

11:20 AM [Teen mothers at risk for high school failure during the first postpartum year](#)

Margaret Rodan, ScD, Kathy S. Katz, PhD, Kristine M. Andrews, PhD, Julia Baidoo, MEd, Tanya Gooding, MS, Sylvia Tan, MS, Lauren Courtney, MPH and Siva Subramanian, MD

11:35 AM [Teenage smoking of water pipes \(nargile, sheesha\); Recently an unheard of problem but now a growing health issue of concern in Poland](#)

Andrzej Wojtyla, MD, PhD, **Przemyslaw Bilinski, MD, PhD** and Piotr Holownia

11:50 AM [Discussion](#)

Organized by: [Epidemiology](#)

Endorsed by: Food and Nutrition, School Health Education and Services, Social Work, Women's Caucus

3124.0 [Kids on the Move: Promoting Physical Activity in Children and Youth](#) -Oral

Room: PCC 113C

Targeted physical activity interventions are likely to lead to better uptake. During this session speakers will evaluate the use of The Time Use data survey to inform the development of relevant physical activity interventions. A number of different community efforts have been undertaken to promote physical activity of children and adolescents including the Healthy Eating Active Community Project (California), the Catch the Bug project (Pennsylvania) and Sommerville Community Project (Massachusetts). During this session presenters will describe these projects including how they were selected and evaluate the impact of each on physical activity on school aged children. Physical activity promotion efforts for daycare aged children are also underway. An assessment of the impact of licensure in NY city daycares on increasing adherence to physical activity guidelines will be discussed.

Session Objectives: 1) Describe and evaluate three community efforts to promote physical activity among children and adolescents 2) Assess the adherence of NY city daycares to physical activity requirements of state licensing 3) Discuss the feasibility and applicability of the Time Use survey data for the development of targeted physical activity promotion efforts

Moderator: [Deirdra Chester](#), PhD, RD, LD/N

10:30 AM [Active Living in Somerville MA: The importance of access to and utilization of recreational space for middle school aged students](#)

Virginia Chomitz, PhD, Julia McDonald, MS, MPH, Patrice Melvin, MPH, Denise Aske, MPH, Howard Cabral, PhD and Karen Hacker, MD MPH

10:45 AM [Social and physical environments of sports and exercise reported among high school students in the American Time Use Survey](#)

Genevieve Fridlund Dunton, PhD, MPH, David Berrigan, PhD, MPH, Rachel Ballard-Barbash, MD, MPH, Frank Perna, PhD, Barry Graubard, PhD and Audie A. Atienza, PhD

11:00 AM [Catch the activity bug: Community collaboration that gets kids active](#)

Kevin A. Alvarnaz, MBA

11:15 AM [Using policy implementation to improve school physical education in low-income communities](#)

Krista Stiffler, MPH, Brian Cole, DrPH, Lisa Craypo, MPH, RD and Sarah Samuels, DrPH

11:30 AM [Do New York City daycare centers meet newly-mandated policies for physical activity and screen time](#)

Rachel I. Klein, MPH, Temitope Erinosh, PhD and L. Beth Dixon, PhD MPH

Organized by: [Food and Nutrition](#)

Endorsed by: Alternative and Complementary Health Practices, Maternal and Child Health, Socialist Caucus

3125.0 [Chain restaurant nutrition labeling: Implementation and Evaluation in New York City, Portland/Multnomah County & Seattle/King County](#) -Oral

Room: PCC 107B

Obesity is a major public health issue. Excessive caloric intake fuels energy imbalance, leading to obesity. Access to nutrition information may help restaurant customers make healthier (i.e. lower calorie) choices.

However, information on caloric content (as well as fat, carbohydrates and sodium) has not been readily available to customers at the time of purchase. To address this lack of information, New York City, Portland/Multnomah County and Seattle/King County have implemented regulations requiring chain restaurants to provide such information at the point of purchase. Such regulations have been passed (but not yet implemented) in eight other local jurisdictions and one state, and have been proposed in many others. The impact of such information on customer choice, caloric intake and menu items is not well-documented. Panel members will summarize the regulations in New York City, Portland/Multnomah County & Seattle/King County, present preliminary evaluation of the impact of such information on the nutritional content of customer purchases, and discuss lessons learned.

Session Objectives: 1) Describe the highlights of nutrition-labeling regulations in NYC, Portland/Multnomah and Seattle/King County and their differences 2) Identify the similarities and differences across sites in the methods being used to evaluate the impact of the regulations 3) Evaluate the impact of nutrition labeling on customer caloric intake

Moderator: [Mary Story](#), PhD, RD

Discussant: [James Marks](#), Md, MPH

10:30 AM [Chain restaurant nutrition labeling: An overview of implementation and evaluation in New York City, Portland/Multnomah County & Seattle/King County](#)

James Krieger, MD, MPH, Myde Boles, PhD, Nadine L. Chan, PhD, MPH, Tamara Dumanovsky, PhD, Brian Elbel, PhD, MPH, Christina Huang, MPH and Brian E. Saelens, PhD

10:40 AM [Evaluating New York City's calorie labeling regulation: Assessing calorie content and consumer awareness](#)

Christina Huang, MPH and Tamara Dumanovsky, PhD

10:55 AM [Influence of Calorie Labeling on Food Choice: Evidence from NYC](#)

Brian Elbel, PhD, MPH

11:10 AM [Impact of nutrition labels on customers of fast food and coffee chains in Seattle/King County](#)

Nadine L. Chan, PhD, MPH, Barbara Bruemmer, PhD, RD, David Solet, PhD, Brian E. Saelens, PhD and James Krieger, MD, MPH

11:25 AM [Evaluation of a nutrition information policy in chain restaurants in Multnomah County, Oregon](#)

Myde Boles, PhD, Julie Maher, PhD, Jane M. Moore, PhD, RD and Alicia Knapp, BA

Organized by: [Food and Nutrition](#)

4130.1 [Introducing America's Inaugural National Physical Activity Plan](#)

This session will familiarize the audience with the on-going efforts to develop, launch and implement a comprehensive National Physical Activity Plan for the U.S. The process adopted for development of the plan will be described, as will the current status of the Plan at the time of the presentation. The roles of government and non-government entities in development of the Plan will be described. Specific strategies for launching the Plan and the sustained effort to implement it will be discussed.

Session Objectives: Discuss the process that is being followed to develop a National Physical Activity Plan and the manner in which the Plan will be launched. Describe the process that will support a sustained effort to implement the Plan and the steps that will be taken to evaluate it. Identify the implications of the Plan for state and local public health agencies.

Organizer: [Steven P. Hooker](#), PhD

Moderator: [Russell Pate](#), PhD

Panelists: [Colleen Doyle](#), MS, RD, [Jimmy Newkirk](#) and [Jim Whitehead](#)

10:30 AM [Introductory Remarks, Russell Pate](#)

10:45 AM [Development of a National Physical Activity Plan](#)

Russell Pate, PhD

11:00 AM [Non-Profit Sector's Role in Developing and Implementing the National Physical Activity Plan](#)

Colleen Doyle, MS, RD

11:15 AM [Implementation of the National Physical Activity Plan](#)

Jim Whitehead

11:30 AM [Implications of the National Physical Activity Plan for State and Local Health Agencies](#)

Jimmy Newkirk

11:45 AM [Discussion](#)

Organized by: [School Health Education and Services](#)

Endorsed by: Alternative and Complementary Health Practices, Food and Nutrition, Maternal and Child Health

12:30 PM-1:30 PM

3169.0 [Food Retail, Security & Safety](#) (Poster Session) PCC Hall A/B

Board 1 [Pilot study of an community-based initiative to reduce food insecurity in a low-SES urban setting](#)

Allyson Baughman, MPH, Emily Rothman, ScD and Christa Drew, BA

Board 2 [Longitudinal effects of body mass index on chronic diseases and functional limitations among Chinese elderly](#)

SangNam Ahn

Board 3 [Differences in knowledge, attitudes and beliefs of seafood eaters who consume recommended intakes vs. those who don't](#)

Elizabeth Schwenk, MS, **Nancy Cotugna, DrPH, RD** and Doris Hicks, MS

Board 4 [GIS mapping of retail food access for populations of different poverty status](#)

Valerie L. Darcey, BA and Jennifer J. Quinlan, PhD

Board 5 [Food label use and awareness of nutritional information and recommendations among persons with chronic disease](#)

John E. Lewis, PhD, Kristopher L. Arheart, EdD, William G. LeBlanc, PhD, Lora E. Fleming, MD, PhD, David J. Lee, PhD, Evelyn Davila, MPH, Alberto J. Caban-Martinez, MPH, Noella Dietz, PhD, Kathryn E. McCollister, PhD, John D. Clark, BS and Frank C. Bandiera, MPH

Board 6 [Being homeless and eating healthy: The role of soup kitchens](#)

Jennifer F. Tsang, MPH and Ben S. Gerber, MD, MPH

Board 7 [Observations of food marketing directed to youth in Central Illinois](#)

Diana Grigsby-Toussaint, PhD, MPH, Imelda Moise, MS and Sarah D. Murphy, BS

Board 8 [Evaluation of a food bank venture into social entrepreneurship](#)

Nancy Cotugna, DrPH, RD and JoAnna Popielarski, MS, RD

Board 9 [Retail food safety risks for populations of different demographics](#)

Renata Jacob, BS, Alison A. Evans, ScD and Jennifer J. Quinlan, PhD

Board 10 [Comparison of estimated water requirements of adults across age groups](#)

Stacey Lyn Tannenbaum, MS, RD, Victoria H. Castellanos, PhD, RD and Kristopher L. Arheart, EdD

3170.0 [Food, Mood & Behavior](#) (Poster Session) PCC Hall A/B

Board 1 [Psychological symptoms of premenstrual syndrome \(PMS\) - Can dietary supplements reduce the severity of symptoms?](#)

Sousan Parsay, PhD and **Maryam Esfarayeni, EdD**

Board 2 [Whose opinion do we care about when it comes to healthy eating? A qualitative comparison of men and women](#)

Laurel D. Stevenson, MPH, Chia-ling Hung, MPE, Alyce D. Fly, PhD, Julie A. Shertzer, PhD, RD, Janet P. Wallace, PhD and Susan E. Middlestadt, PhD

Board 3 [Creating a culturally relevant community resource guide for physical activity and nutrition: A community based participatory approach](#)

Melissa Bopp, PhD, Elizabeth A. Fallon, PhD and Debra J. Bolton, MSCFLE

Board 4 [Validity of the Seven Day Recall of Exercise Questionnaire \(7-DREQ\)](#)

Prasanna Gurumurthy, MS, MEd, Brian Hartz, PhD, Emily Stevens, PhD and R. L. Petosa, PhD

Board 5 [Preliminary evidence that vegetarian diet improves mood](#)

Bonnie L. Beezhold, PhD, MHS, Carol S. Johnston, PhD, RD and Deanna R. Daigle, BS, RD

Board 6 [Dairy Council of California's Personal Nutrition Planner: Results of the Online Tool among Women](#)

Michele Mouttapa, PhD, Jie Wu Weiss, PhD, Archana J. McEligot, PhD, Trina Robertson, MS, RD, Linda Trinh, BS and Ann Ora, MPH

Board 7 [Symptoms of depression associated with diet quality in participants of the Healthy Aging in Neighborhoods of Diversity across the Life Span \(HANDLS\) study](#)

Alexandra Cremer, MS, Marie Fanelli Kuczmarksi, PhD, RD, LD, **Nancy Cotugna, DrPH, RD**, Lawrence Hotchkiss, PhD, Alan Zonderman, PhD and Michele K. Evans, MD

Board 8 [Dietary Control of Cortisol Production by Sodium Intake Regulation](#)

Samuel L. Hoffman, BA and Cynthia J. Gill, BS, PhD

Board 9 [Food Safety Knowledge and Practice of Young Adults on an Urban College Campus](#)

Brian P. Dirks, BS and Jennifer J. Quinlan, PhD

Board 10 [Effect on blood pressure of diets enriched with different sources of n-3 fatty acids in adults](#)

Choon Chew Teo, MPH, RD, Stoyan Grakov, MD, MPH, Hsueh-Ting Chiu, MPH, Keiji Oda, MPH and Joan Sabaté, DrPH, MD

3171.0 [Maternal and Child Health](#) (Poster Session) PCC Hall A/B

Board 1 [Tailoring the national pediatric obesity prevention program, "We Can!" to low-income, uninsured, inner city Latino populations: A case study](#)

Jessica Faye Wallace, MPH, MSHS, PA-C

Board 2 [Supplemented bottle feeding among low-income toddlers: Preliminary results from the Feeding Young Children Study](#)

Christel Hyden, MS, CHES, Karen Bonuck, PhD, Richard Kahn, MS, RD and P. K. Newby, ScD, MPH, MS

Board 3 [Diet quality indicators associated with early childhood caries prevalence in children ages 2–5 in the National Health and Nutrition Examination Survey \(NHANES\)](#)

Nadine S. Braunstein, PhD, RD, LDN, Barbara E. Millen, DPH, RD, FADA, Sibylle Kranz, PhD, RD, Elizabeth Krall Kaye, PhD, MPH, Carole A. Palmer, EdD, RD and Martha E. Nunn, DDS, PhD

Board 4 [How much weight loss is too much? Establishing evidence-based guidelines for neonatal weight loss](#)

Xena Grossman, MS, RD, Megan Evans, MPH, Daniel Djondo, BA, Adiana Castro, BS, Jana Chaudhuri, PhD, Lori B. Feldman-Winter, MD, MPH and Anne Merewood, MPH, IBCLC

Board 5 [Early breastfeeding termination in a WIC population: A mixed methods approach](#)

Marycatherine Augustyn, PhD, Joy P. Nanda, DSc, MS, MHS, MBA, Caitlin Cross-Barnet, MA, Amy Resnik, MS, RD, CSP, LDN, Susan M. Gross, PhD, MPH, RD and David M. Paige, MD MPH

Board 6 [Evaluation of dietary outcomes among pregnant Spanish-speaking Latina participants in Healthy Mothers on the Move \(Healthy MOMS\)](#)

Edith Kieffer, MPH, PhD, Kathleen B. Welch, MPH, MS, Erin Rees, MPH, PhD, Emily Vogtmann, MPH, Brandy Sinco, MS, Christina Blumentritt, MPH, RD, Antonia M. Villarruel, PhD, RN and Virginia E. Uhley, PhD, RD

Board 7 [Maternal psychosocial status, nutrition intake, and placental status in the 1st trimester of pregnancy: A pilot study](#)

Eileen Fowles, PhD, RNC-OB

Board 8 [Translational research to prevent childhood obesity by promoting healthy eating and activity and effective parenting in low income families](#)

Tisa Fontaine Hill, MPH, Katherine L. Dickin, PhD, Wendy Wolfe, PhD, Jamie Dollahite, PhD, RD and Megan Lent, BA

Board 9 [Parenting issues surrounding food and nutrition among Hmong immigrants in the Central Valley, CA](#)

Susan Donohue, MA, RD, **Patricia Wakimoto, DrPH, RD**, Anna C. Martin, MS, Connie L. Schneider, PhD, RD and Barbara Sutherland, PhD

Board 10 [Curriculum approaches to development of youth peer nutrition educator programs](#)

Lynn Fredericks, Natasha Singh, MS, Judith Wylie-Rosett, EdD, RD and Laura Gagne, MS

3172.0 [School-Based Research and Initiatives](#) (Poster Session) PCC Hall A/B

Board 1 [Predictors of snack food consumption among children using social cognitive theory: Implications for health promoting interventions](#)

Paul Wesley Branscum, MS, RD, LD and Manoj Sharma, PhD

Board 2 [Development of an interactive online Masters of Public Health in Nutrition degree program](#)

Nancy L. Cohen, PhD, RD, LDN and Patricia Beffa-Negrini, PhD, RD, LD

Monday, November 9, 2009 Cont...

Board 3 [Fruit and vegetable intake and taste preference concordance between low-income 4th graders and their parents](#)

Bonnie Braun, PhD and Susan M. Gross, PhD, MPH, RD

Board 4 [Growing Healthy Collaborative: Using Farm-to-School Programs to Help Create Sustainable Community Food Systems](#)

Stephanie Shapiro Berkson, MPH, Virginia Chomitz, PhD, Laura Burnham, Sandra Williams, MPH, Dawn B. Olcott, MS, Claire Kozower, MS, Jane Hirschi, Jennifer Lawrence, Hannah Freedberg, Mary Joan McLarney and Jack Mingle

Board 5 [Connecticut Healthy Eating Curricula Approaches to Hands-On Food Education in K-3 Classrooms](#)

Lynn Fredericks, Antonia Demas, PhD, Cindy Crusto, PhD, Marie G. Russell, MS, Mario H. Garcia, MSc, MPH, Erin Murphy, BS, Julie Julie Cranick, BS and Mary Farnsworth

Board 6 [BMI, body image, emotional well-being and weight control behaviors in urban African American adolescents](#)

Delenya Allen, Maria Trent, MD, MPH and Harolyn Belcher, MD

Board 7 [Innovative State Policies in the Child Care and After School Care Setting to Prevent Childhood Obesity](#)

Elizabeth Walker, MS, Sara Benjamin, PhD and Angie LI Cradock, ScD

Board 8 [Sweetened beverage availability and consumption among rural high school students in Tennessee](#)

Bettina M. Beech, DrPH, MPH, Marino A. Bruce, PhD, Joanna Buscemi, MS and **Marian O. Ladipo, MPH**

Board 9 [Impact of the MyPyramid Color-bar Signage System on fruit and vegetable choices and consumption among Kindergarteners](#)

Katie Kavanagh, PhD, RD, Betty Greer, PhD, RD, Carolyn Perry-Burst, MS, RD, LDN and Marsha Spence, PhD, MS-MPH, RD

Board 10 [Turning Up the Heat on Nutrition: Cooking Up Community Change with Low-Income High School Students](#)

Anastasia McGee, RD, LDN and Jessica Allendar, MS, RD, LDN

12:30 PM-2:00 PM

3220.0 [National Children's Study: Landmark Epidemiologic Study of Environment and Child Health](#) -Oral

The purpose of this session is to provide an overview of the National Children's Study (NCS). The presenters will provide a summary of the study design for the NCS, the environmental and biological sampling, current NCS activities, and potential research opportunities for epidemiologists and other public health professionals. The NCS will examine the effects of environmental influences on the health and development of 100,000 children across the US, following them from birth until age 21. Primary exposures include biological, chemical, physical, and psychosocial factors and potential genetic-environmental interactions. Primary outcomes include preterm delivery, major birth defects, developmental disorders, asthma, injuries, obesity, diabetes, and reproductive disorders. By studying children through their different phases of growth and development, researchers will be better able to understand the role these factors have on health and disease. Ultimately, data from the NCS will guide development of a comprehensive plan for disease prevention in children. The NCS is the first epidemiologic study of environmental and genetic influences on child health in a representative sample of the US population. No previous longitudinal study of children has obtained data on environmental exposures or incorporated technologies for the collection of biological and environmental samples or of genetic material. The priority outcome areas of the NCS are part of the "new pediatric morbidities" and have major public health implications.

Session Objectives: 1. Articulate the study design of the National Children's Study (NCS) 2. List at least five environmental factors included in the NCS and their methods of collection 3. Formulate potential areas for NCS adjunct studies

Organizer: [Claudia A. Kozinetz](#), PhD, MPH

Panelists: [Terry L. Leet](#), PhD, MPH, [Lynn Goldman](#), MD, MPH and [David J. Tollerud](#), MD, MPH

12:30 PM [Introductory Remarks](#)

12:35 PM [Study Design for the NCS](#)

Terry L. Leet, PhD, MPH

12:55 PM [Environmental Assessments and Biological Specimen/Biobank Activities](#)

David J. Tollerud, MD, MPH

1:10 PM [Current NCS Activities](#)

Claudia A. Kozinetz, PhD, MPH

1:25 PM [Research Opportunities Associated with the NCS](#)

Lynn Goldman, MD, MPH

1:45 PM [Q & A](#)

Organized by: [Epidemiology](#)

Endorsed by: Environment, Food and Nutrition, Maternal and Child Health, School Health Education and Services

3224.0 [Hormones added to our water and food systems: What are the \(cumulative\) risks?\(Organized Jointly by FN and ENV Sections\)](#) -Oral

Room: PCC 107B

Synthetic hormones are commonly added to the U.S. food systems, raising concerns about hormone residues in food as well as in surface waters downstream of farms. These hormones include recombinant bovine growth hormone, or rBGH, used to slightly boost milk production and the several synthetic steroids routinely given to beef cattle to make them grow faster to market weight. Both practices are banned in the European Union.

Among other hormonally-active chemicals intentionally added to the food supply are certain pesticides, and plastics additives to food packaging such as phthalates and bisphenol A. A half century ago, there already were questions about the public health prudence of widespread public exposure to hormones added to the food supply. Little effort to date has been made to appreciate the cumulative exposure and human risk from these various practices. The first two speakers discuss health concerns with rBGH use – including known impacts on animal health as well as unresolved concerns about its human risks via increased antibiotic use and possible impacts on elevated IGF-1 levels in human tissue – as well as public health precautionary efforts to limit dairy use of rBGH. The 3rd speaker discusses human health concerns related to low level exposures of bisphenol A from polycarbonate plastics used in food packaging (e.g., baby bottles, beverage containers, tableware, etc.) and epoxy linings of food cans. The last discussant raises the context of the cumulative, low level exposure to hormones in the food supply, beginning with the use of diethylstilbestrol (DES) as an animal growth promoter until the 1970s.

Session Objectives: 1) Describe 3 animal and human health concerns with use of rBGH. 2) List three kinds of hormones or hormonally active chemicals in the food supply. 3) Discuss concerns with at least one additive to food packaging that disrupts hormone function.

Organizer: [David Wallinga, MD, MPA](#)

12:30 PM [Health Consequences of recombinant bovine growth hormone \(rBGH\) use in dairy cattle](#)

Martin Donohoe, MD, FACP

12:50 PM [Got rBGH? Policy tools to protect consumers from artificial growth hormones in the U.S. dairy supply](#)

Elanor S. Starmer, MS, MALD

1:10 PM [Hormones, hormones everywhere: Considering cumulative impacts of hormones in food production](#)

David Wallinga, MD, MPA

1:30 PM [Human health concerns from bisphenol A: Review of the latest science](#)

Kristina A. Thayer, PhD

Organized by: [Food and Nutrition](#)

Endorsed by: Alternative and Complementary Health Practices, Environment, Socialist Caucus

3233.0 [Nutrition and Malnutrition](#) -Oral

Overview of international nutrition programs

Session Objectives: List 2 major nutritional issues of global importance Discuss programs addressing malnutrition Describe interventions to prevent malnutrition

Moderator: [Maggie Huff-Rousselle, MA, MBA, PhD](#)

12:30 PM [Use of coping strategies to detect households at risk for malnutrition during humanitarian emergencies](#)

Adam C. Levine, MD, MPH, P. Gregg Greenough, MD, MPH, Pina Patel, MD, Radwan Qasrawi, MS and Ziad Abdeen

12:45 PM [Determinants of stunting and wasting among Malian rural and urban adolescent girls](#)

Timothy F. Leslie, PhD and Lisa R. Pawloski, PhD

1:00 PM [Discovering indigenous food practices of Bangladeshi families through photovoice](#)

Hendrika Maltby, PhD, RN, Mohammed Omar Rahman, MD, MPH, DSc and Rita Yusuf, PhD

1:15 PM [Hunger and Risk for Emotional and Behavioral Problems: A Comparison between Students in Botswana, Kenya, Uganda and Zambia](#)

Monica H. Swahn, PhD, Robert M. Bossarte, PhD, Elizabeth Gaylor and Dena Musa Elimam, MPH

1:30 PM [Factors affecting malnutrition in twelve mayan communities surrounding Lake Atitlan, Guatemala](#)

Paul Kadetz, MSN, MPH, PhD(c)

Organized by: [International Health](#)

Endorsed by: Food and Nutrition, Public Health Nursing, Socialist Caucus

3258.0 [Obesity Prevention](#) -Oral

Moderator: [Christopher Ledingham](#), PhD MPH CHES

12:30 PM [A Needs Assessment of Childhood Obesity for Elementary, Middle, and High School Students who Live in Southeast Illinois and Southwest Indiana](#)

Brandon Eggleston, PhD

12:45 PM [Association of sleep duration with obesity among US high school students](#)

Richard Lowry, MD, MS and Danice K. Eaton, PhD

1:00 PM [Role of Community Health Organizers in public schools: Lessons learned](#)

McHale Newport-Berra, MPH, Arthur E. Blank, PhD and Megan Charlop, MPH

1:15 PM [Characteristics of survey non-responders among school administrators: Insights for improving response rates](#)

Melanie Goodell, MPH, Martha M. Phillips, PhD, MPH, MBA, C. Heath Gauss, MS, LeaVonne Pulley, PhD, Zoran Bursac, PhD, Jada Walker, MEd and James M. Raczynski, PhD

1:30 PM [Preventing obesity via multidisciplinary and environmental change: The Alliance for a Healthier Generation's Healthy Schools Program](#)

Jessica Rae Donze Black, RD, MPH and Audrey Block, Ph D

Organized by: [School Health Education and Services](#)

Endorsed by: Food and Nutrition, Maternal and Child Health, Public Health Nursing, Socialist Caucus

2:30 PM-3:30 PM

3271.0 [Physical Activity and Successful Aging](#) (Poster Session)

3350.0 [The Health Home: Origins and Current Developments](#) - Oral

The session will consider the concept of the Health Home rather than the more isolated Medical and Dental Home. Participants will include representatives from several APHA sections who will participate in a panel discussion to openly discuss the interactions necessary to bring the concept into a practice reality.

Session Objectives: 1. The concept of a "home" 2. The benefits of including in the home all disciplines that can bring skills to the care of patients 3. Barriers that may appear with a single silo home that will not be present if multiple homes are created

Moderator: [Amos S. Deinard](#), MD, MPH

2:30 PM [Health Home: Origins and Current Developments](#)

Amos S. Deinard, MD, MPH, Oscar Arevalo, DDS, ScD, MBA,MS, L. Beth Dixon, PhD MPH, Gail R. Bellamy, PhD, Beth Lamanna, WHNP, MPH, RN, Jeanne A. Saunders, PhD and Rani A. Desai, MPH, PhD

Presenters in the session will discuss the health home concept which ideally will lead to more productive inter-professional communication and better care for all patients by virtue of the critical mass of providers

within the silo, each with special expertise and all working together on behalf of patients. The speakers will attempt to address the core components of a health home model which will maximize its success, e.g., values, definitions of practice, necessary skills and training for practice, roles of patient and family, as well as barriers that need to be considered and overcome to maximize services, e.g., 1) HIPAA, 2) mechanics of multidisciplinary coordination, 3) resistance to collaboration, 4) uncertainty about public and political support, 5) costs in general and difficulty controlling them, 6) no universal EHR at present which must be able to facilitate not only communication between all categories of providers but also necessary billing/accounting needs, 7) health care insurance coverage, or lack thereof, 8) trust of system by patients and providers. Today 12 professionals from the following sections of APHA (Chiropractic, Epidemiology, **Food and Nutrition**, Gerontology, Maternal and Child Health, Medical Care, Mental Health, Oral Health, Podiatry, Public Health Nursing, Public Health Planning, Social Work) will come together to share their thoughts on the issues which will maximize the successes of the health home and the barriers they envision having to overcome. Each speaker will speak for six minutes, after which the remainder of the session will be spent responding to thoughtful and hopefully provocative questions from our professional colleagues in the audience.

Session Objectives: Describe the concept of a health home. List two benefits of including in the health home all disciplines that can bring diverse skills to the care of patients. Identify two barriers to the creation of a single silo home that are less evident with a multiple silo health home

Moderator: Amos S. Deinard, MD, MPH
University of Minnesota, Department of Pediatrics
MMC 85
420 Delaware St SE
Minneapolis, MN
USA 55455
Email: deina001@umn.edu
Organizer: Oral Health

2:30 PM-4:00 PM

3316.0 *Oceans and Human Health: Communicating Public Health Concerns to Communities at Risk* -Oral

When people think of public health risks, they might not automatically turn to the ocean as a possible threat. But while the ocean, coasts and Great Lakes offer many benefits; they also harbor rising health threats. Even though the ocean affects every person, no matter where they live, some communities are at greater risk. Seafood borne illnesses are underreported, often misdiagnosed and may be increasing. Harmful algal blooms (HABs) are increasing in number, type and frequency and some may pose a greater threat to beachgoers by causing respiratory ailments. In addition to HABs and harmful microbes can also contaminate recreational waters, shellfish beds and even drinking water. NOAA and its partners are working together to understand these linkages between ocean health and human health and it is critical to ensure that the public health community is engaged in these issues, and has the right information to make management decisions to reduce health threats to communities at risk. This session's regional case studies showcases tools such as bulletins, surveys, and hotlines and explores public health partnerships to improve communication to communities at risk. These case studies can serve as a model to implement similar programs in other communities, and facilitate the exchange and delivery of tools and information that can be accessed and used in a timely manner by public health managers and practitioners.

Session Objectives: 1. Discuss with the public health community new and emerging human health risks that stem from the ocean, coasts and Great Lake, and help ensure they have the right information and tools to make management decisions to reduce ocean health threats to communities at risk. 2. Explain available forecast information to management officials and the general public regarding harmful algal blooms and their impacts. Describe one of the strategies Florida has implemented to inform the public about Florida red tide aerosols. 3. Identify public health needs in tribal communities to develop research tools that will reduce water quality related human health threats in the Great Lakes. 4. Identify factors that impact decision making of consumers about the benefits and risks of fish and shellfish consumption based on input from healthcare providers in protecting at risk individuals and community health.

Organizer: [Carolyn Sotka](#)

Moderator: [Carolyn Sotka](#), MA

Panelists: [Michelle Tomlinson](#), [Sonia Joseph](#), MS, [Barbara Kirkpatrick](#), EdD, RRT, [Doris Hicks](#), MS and [Vera Trainer](#), PhD

2:30 PM • [Partnering with tribal governments: Communicating seafood and drinking water health risks, beach quality forecasting, and harmful algal bloom research in the Great Lakes](#)

Sonia Joseph, MS

2:48 PM [Benefits and Risks of Seafood Consumption: Outreach Education for Healthcare Providers and Practitioners](#)

Doris T. Hicks, MS

3:06 PM [Early Warning Bulletin for the Razor Clam Fishery in Washington State](#)

Vera Trainer, PhD

3:24 PM [Communicating NOAA's Harmful Algal Bloom Forecasts to State Managers and the Public](#)

Michelle Tomlinson and Richard P. Stumpf, PhD

3:42 PM [Minimizing Public Health Risks from Florida Red Tide: Beach Conditions Report and Marine Toxins Hotline](#)

Barbara Kirkpatrick, EdD, RRT, Kate Nierenberg, MS, Andrew Reich, MS, MSPH, Lorraine C. Backer, PhD, MPH and Lora E. Fleming, MD, PhD

Organized by: [Environment](#)

Endorsed by: American Indian, Alaska Native and Native Hawaiian Caucus, Community Health Workers SPIG, Food and Nutrition, Public Health Nursing, Socialist Caucus

3321.0 [Program and Evaluation of Community Based Participatory Projects to Address Disparities in Food Access](#) -**Oral**

Room: PCC 107B

Over the past decade, public health researchers have documented disparities in access to healthy foods based on the racial and wealth compositions of neighborhoods. These disparities are associated with residents' diets, as well as rates of obesity. Consequently, there is growing interest among public health professionals about how to properly intervene in this area. One approach has been for affected communities to address these inequalities with programs developed by community members. The purpose of this session is to describe four community-based participatory projects that are addressing a lack of healthy food availability and discuss ways to network with store owners, churches, youth clubs and local development corporations in order to improve access to foods for Latinos, Blacks, rural and urban communities. Evaluations will include the measurement of shopping patterns, dietary behavior, structural changes in stores and marketing, influence of food pantries, as well as the strengths and limitations of addressing disparities in access to healthy foods with a community-owned and operated food store. The relevance of this session for public health is to understand the degree to which these community-based programs can be considered viable options for interventions into other communities. This is a particularly important and timely session, because local and state governments are increasingly acknowledging the difference between communities regarding access to healthy foods.

Session Objectives: 1) Evaluate the feasibility of the community-based participatory model to address disparities in food access. 2) Compare processes for developing community partnerships that increase access to food.

Organizer: [Kimberly B. Morland](#), PhD

Moderator: [Heidi M. Blanck](#), PhD

2:30 PM [Developing Farmers' Markets at Boys and Girls Clubs: The Veggie Project](#)

Darcy A. Freedman, PhD, Mary Kate Mouser and Bobby Lee Smith

2:50 PM [Intervening in tiendas to promote fruit and vegetable intake: Store-level results of the Vida Sana study](#)

Guadalupe Ayala, PhD, MPH

3:10 PM [Utilizing a Community Garden Project as a Health Change Agent: Growing Fruits and Vegetables to Grow A Healthy Community](#)

Kay L. Cherry, MS

3:30 PM [Programs and Evaluation of Community Based Participatory Projects to Address Disparities in Food Access](#)

Kimberly B. Morland, PhD

Organized by: [Food and Nutrition](#)

4:30 PM-5:30 PM

3391.0 [Wellness and Physical Activity](#) (Poster Session)

4:30 PM-6:00 PM

3410.0 [Assessing the Impact of the Built Environment on Health Outcomes](#)

Oral

A healthy community protects and improves the quality of life for its citizens, promotes healthy behaviors and minimizes hazards for its residents, and preserves the natural environment. Land use and transportation decisions and the design of houses, commercial buildings, roads, parks, and other features in the built environment can facilitate or obstruct the creation and maintenance of healthy communities. Sprawling developments deter physical activity and increase automobile dependence that contributes to air pollution, car crashes, and pedestrian injuries. The mental health of individuals and a community's social capital may also be influenced by the design of the built environment. In this session, presenters will describe the impact of light rail transit on physical activity, discuss the built environment features that affect physical activity in older adults in urban areas, present an assessment tool for examining the neighborhood built environment, explore the use of parks in relation to accessibility by nearby residents, and explain factors that influence adoption of innovative land use policies that promote health.

Session Objectives: Explain the characteristics of the built environment that influence physical activity and other healthy behaviors. Describe types of tools that can be used to measure built environment features. Identify factors that affect policies that influence the built environment.

Organizer: [Andrew Dannenberg](#), MD, MPH

Moderator: [Andrew Dannenberg](#), MD, MPH

4:30 PM [Impact of Light Rail Transit on Physical Activity](#)

John M. MacDonald, PhD, Robert Stokes, PhD and Deborah Cohen, MD, MPH

4:45 PM [Community assessment: Understanding the built environment within a neighborhood health context](#)

Gretchen L. Kroeger, MEM, Marie Lynn Miranda, PhD and Jeffrey Davis, BS

5:00 PM [Objectively measuring route-to-park walkability: Data from the Neighborhood Parks and Active Living Study - Atlanta, GA](#)

James E. Dills, MPH MUP, Candace Rutt, PhD and Karen G. Mumford, PhD

5:15 PM [Transforming the Built Environment Through Land Use Policy Innovation: Two Case Studies](#)

Deborah A. Howe, PhD, FAICP, Jennifer Dill, PhD and Mari Radford, MCRP

5:30 PM [Discussion](#)

Organized by: [Environment](#)

Endorsed by: Food and Nutrition, Statistics, Healthy Communities for Healthy Aging Forum

4:30 PM-6:30 PM

3442.1 [March of Dimes Agnes Higgins Award Lecture and Reception](#) -Oral

Room: Liberty Ballroom, Salon C

The Nutritional Environment for Fetal Development: Subtle Impacts within the Range of Normal.

The first nine months of life (minus 9) are among the most important determinants of lifelong health. Variations in the nutritional milieu during this critical period – all within the range usually considered normal - reflect overall maternal nutritional status (undernourished, normal, overweight or obese), the maternal metabolic situation (e.g, diabetes in its various manifestations), and maternal dietary quality in terms of intakes of micronutrients. Impacts are seen on fetal growth, body composition, and mental/social development observable and measurable in very early postnatal life. The rapid increase in prevalence of overweight and obesity in the world has important implications for infant, child and adult health in the next generations, at least in part through the uterine environment created for the first critical months of

Monday, November 9, 2009 Cont...

development. The double burden of malnutrition and obesity has been repeatedly pointed out in terms of adult morbidity and health care costs, but the impact on the next generations requires attention to the environment of the first nine months of life.

Session Objectives: a) Appreciate the role of maternal obesity in determining fetal growth and long-term risk for overweight b) Describe the role of mild-to-moderate deficits in maternal dietary adequacy and nutritional status in influencing fetal and early infant development

Moderator: [Beth Dixon](#), PhD, MPH

Discussant: [Gail G. Harrison](#), PhD

Organized by: [Food and Nutrition](#)

6:00 PM

APHA Breastfeeding Forum Social Event:

Event at Portofino's restaurant, walking distance from the convention center. Please RSVP to melissabartick@gmail.com.

Tuesday, November 10, 2009

8:30 AM-10:00 AM

4029.0 [Building the evidence for changing nutrition and physical activity environments](#) -Oral

Room: PCC 103A

Healthy Eating, Active Communities and The Central California Regional Obesity Prevention Program, funded by The California Endowment, and Healthy Eating Active Living, funded by Kaiser Permanente, were formed to reduce barriers to healthy food and physical activity opportunities in diverse, low-income communities with high obesity rates. This panel will discuss evaluation findings and lessons learned from the three programs. Speakers will address the overall contribution HEAC, HEAL and CCROPP are making to building statewide and national momentum around obesity prevention, reducing health disparities in low income communities, and building the evidence base for prevention strategies. The session will provide an overview and midpoint evaluation results. Speakers will discuss program and evaluation designs, midpoint findings, and lessons learned from each program. Specific evaluation findings will be presented on the impact on youth health behaviors and individual level outcomes. Featured speakers will also discuss the impact of the programs on policy and engagement of community residents, youth, and government and elected officials. Presentations will explore differences and similarities across programs, and address unique experiences in rural, inner-city urban, Hispanic, and Central Valley communities.

Session Objectives: Describe how environments shape nutrition and physical activity behaviors Discuss methods to evaluate environmental approaches to obesity prevention

Organizer: [Sarah Samuels](#), DrPH

Moderator: [George R. Flores](#), MD MPH

8:30 AM [Building the evidence base for environmental approaches to obesity prevention](#)

George R. Flores, MD MPH

8:40 AM [Creating healthier communities in California's Central Valley: A regional approach](#)

Genoveva Islas-Hooker, MPH

9:00 AM [Key evaluation findings from the Health Eating and Active Communities program and the Central California Regional Obesity Prevention Program](#)

Sarah Samuels, DrPH, Lisa Craypo, MPH, RD, Liz Schwarte, MPH, Sally J. Lawrence, MPH, Krista Stiffler, MPH, Sallie Yoshida, DrPH, Sarah E. Clark and Maria Boyle, MS, RD

9:20 AM [Policy and environmental approaches to obesity prevention: Lessons from the evaluation of Kaiser Permanente's Community Health Initiative](#)

Pamela Schwartz, MPH, Bill Beery, MPH, Allen Cheadle, PhD and Suzanne M. Rauzon, MPH, RD

Organized by: [Food and Nutrition](#)

Endorsed by: Alternative and Complementary Health Practices, Asian Pacific Islander Caucus for Public Health

4030.0 [Understanding the Determinants of Fruit and Vegetable Intake](#) -Oral

Room: PCC 107B

Why people choose or do not choose to eat each fruits and vegetables and what influences those choices are critical to consider as more evidence of the importance of fruit and vegetable consumption becomes apparent. This is specifically true for populations experiencing more challenging conditions or other social barriers. Session presenters reveal findings from current research that show unexpected relationships with food security and other more expected evidence with the perception of the food environment and barriers that mediate self-efficacy. New behavioral constructs are explored and session participants will gain insight into the FAB (Food Attitudes and Behaviors) survey conducted by the National Cancer Institute (NCI).

Session Objectives: 1)Name several determinants of fruit and vegetable intake and the types of relationships associated with particular behavioral constructs or for specific populations 2)Describe the Food and Behavior survey administered by the National Cancer Institute and topics included in the survey 3)Explain types of determinants of fruit and vegetable intake that could be considered for inclusion in programs or other initiatives

Moderator: [Lorelei X DiSogra](#)

8:30 AM [Household food security and fruit and vegetable intake among low-income 4th graders](#)

Stephanie Grutzmacher, PhD and Susan M. Gross, PhD, MPH, RD

8:50 AM [Perceived barriers mediate the association between self-efficacy and fruit and vegetable consumption among students in alternative high schools](#)

Meg Bruening, MPH, RD, Martha Y. Kubik, PhD, RN, DenYelle Kenyon, PhD, Cynthia Davey, MS and Mary Story, PhD, RD

9:10 AM [Association between the perceived food environment and reported self-efficacy for fruit and vegetable consumption among adults participating in the National Cancer Institute Food Attitudes and Behaviors \(FAB\) Survey](#)

Temitope Erinosh, PhD, April Oh, PhD, MPH, Richard Moser, PhD, Linda Nebeling, PhD and Amy L. Yaroch, PhD

9:30 AM [Correlates of fruit and vegetable consumption among US Adults: Results from the Food Attitudes and Behaviors \(FAB\) Survey](#)

Amy L. Yaroch, PhD, Olivia M. Thompson, PhD, MPH, Abdul R. Shaikh, PhD, MHSc, Tiandong Li, MS, Heidi M. Blanck, PhD, Richard Moser, PhD, Ken Resnicow, PhD, Suzanne McNutt, MS, RD, Temitope Erinosh, PhD and Linda Nebeling, PhD, MPH, RD

Organized by: [Food and Nutrition](#)

Endorsed by: Socialist Caucus

4031.0 [Innovations to Promote Healthy Weight](#) - Oral

Room: PCC 108A

Rates of obesity and overweight vary across the population and result from a number of different factors. Interventions must also be varied if they are to be responsive. This session will focus on a number of different intervention strategies that have been successfully used to promote healthy weight. Presenters will describe the interventions, the target population and the findings from evaluation research.

Session Objectives: 1)Describe innovative strategies used to promote healthy weight 2) Assess the success of each of the innovative strategies

Moderator: [Jay Hirschman](#), MPH, CNS

8:30 AM [Lights, camera, action for health: The development of a theater-based nutrition and physical activity intervention for at-risk youth](#)

Caree J. Jackson, PhD, RD, LD and Rebecca M. Mullis, PhD, RD, LD

8:50 AM ["215-GO!" - A Working Model for Combating Childhood Obesity in a Public Health Care Clinic](#)
Khudsiya Khan, MD

9:10 AM [Intuitive eating: A novel health promotion strategy for obese women](#)

Janell Mensinger, PhD, Kelly Bliss, MEd and Heather A. Close, BS

9:30 AM [Assessment of factors influencing participation and outcomes in a weight management program](#)

Rickie O. Brawer, PhD MPH, Bhuvana Jayaraman, MPH, Lamya Boujelbane, MD, MPH and James Plumb, MD, MPH

Organized by: [Food and Nutrition](#)

Endorsed by: Alternative and Complementary Health Practices, Asian Pacific Islander Caucus for Public Health, Gerontological Health, Socialist Caucus

4047.0 [Breastfeeding: Developing Community Support](#) - Oral

A large volume of public health research points to the positive effects of breastfeeding from nutritional and psychological perspectives. The decision whether to breastfeed a child is a complex one shaped by social and biological forces. This session includes discussion of several of these including are factors that may delay lactogenesis, maternal perspectives including wantedness of pregnancy and maternal health including smoking and obesity. Additionally the efforts of a academic initiative, the Carolina Breastfeeding Institute, can support efforts to promote and support breastfeeding practices at various local and state levels.

Session Objectives: 1 - describe maternal factors that negatively impact lactogenesis, breastfeeding initiation and cessation 2 - discuss interventions that could potentially overcome these factors 3 - discuss the potential role of academic public health institutions in promoting breastfeeding

Organizers: [Mary Rose Tully](#), MPH, IBCLC and [Jan Weingrad Smith](#), Cnm, MPH

Moderator: [Melissa C. Bartick](#), MD, MS

8:30 AM [Effect of maternal happiness and wantedness on breastfeeding duration over the first year: A Survival Analysis](#)

Sarah Martin-Anderson, MPP

8:45 AM [Delayed onset of lactogenesis is common in a cohort of California primiparae](#)

Laurie Nommsen-Rivers, PhD, RD, IBCLC, Caroline Chantry, MD, Janet Peerson, MS and Kathryn G. Dewey, PhD

9:00 AM [Breastfeeding, maternal smoking, and child health in a secondhand smoke exposed sample](#)

Bradley N. Collins, PhD and Katherine F. Isselmann, PhD

9:15 AM [Maternal obesity, health status during pregnancy and breastfeeding initiation and duration](#)

Panagiota Kitsantas, PhD and Lisa R. Pawloski, PhD

9:30 AM [Enabling Optimal Infant Feeding Through Research, Teaching and Advocacy: The Carolina Breastfeeding Institute](#)

Miriam Labbok, MD, MPH, FACPM, Emily C. Taylor, MPH, CD(DONA), Brook Colgan, MPH, Sheryl W. Abrahams, MPH and Mary Rose Tully, MPH, IBCLC

Organized by: [Maternal and Child Health](#)

Endorsed by: Community Health Workers SPIG, Food and Nutrition, Socialist Caucus, Social Work, Women's Caucus

4065.0 [Wellness and Physical Activity: Student Presentations](#) (Poster Session)

10:30 AM-12:00 PM

4100.0 [What do we know and not know about water intake and health?](#) -Oral

Room: PCC 107B

Debates about water have raged for decades. Although much has been learned about the importance of water for health, huge gaps in knowledge remain. It is still unclear how much water people should drink. In addition to its hydrating function, water appears to have an effect on a number of metabolic processes. Possible relationships between water intake and disease risk remain unappreciated. This session aims to increase awareness about levels of water intake, its correlates and health effects, as well as the issues that complicate and fuel debates about water intake and health. This session will host international experts, who conduct studies on water intake and health. The speakers have contributed to debates about how much water is necessary for athletes and for the general public. They have been key players in current public health recommendations for the dietary intake levels of water.

Session Objectives: 1) Identify measures of water intake and adequacy. 2) Explain that a majority of individuals globally may have low water intake. 3) Describe how water contributes to the metabolism, physiology, health risk factors and health outcomes 4) Identify issues that complicate research on water intake

and health 5) Describe debates, current evidence, and gaps in knowledge about water intake and health. 6) Critically evaluate research on water intake and health

Organizer: [Sibylle Kranz](#), PhD, RD

10:30 AM • [“It’s just water!”](#)

Sibylle Kranz, PhD, RD

10:50 AM [Greed, death and the “science of hydration”. The avoidable tragedy of exercise-induced hyponatremic encephalopathy \(EAHE\)](#)

Timothy Noakes

11:10 AM [Background and Overview: Water needs in the U.S](#)

Stella Volpe, PhD, RD

11:30 AM [Why water may be fundamentally related to every health problem](#)

Jodi Stookey

Organized by: [Food and Nutrition](#)

Endorsed by: Socialist Caucus

4101.0 [Mapping Food and Physical Activity Environments](#) - **Oral**

Room: PCC 103A

There is renewed interest in improving equity and accessibility to healthy foods in all communities, since where we live, learn, work and play has a tremendous influence on what we eat and do. As a consequence, greater emphasis is now focusing on the community food environment and ways to improve accessibility to healthy and affordable foods especially in low-income, disadvantaged communities in order to make healthier choices easier and more sustainable. An important aspect of this process is measuring the community’s food environment and understanding the attributes that support and promote healthy behaviors as well as constraining factors and barriers. This dynamic session highlights work that is being done in several states to assess the food environments of local communities and to understand how the food environment influences the eating behaviors of residents. In this session the speakers will discuss the accuracy of commonly used commercial data to categorize food retailers and models for using GIS systems to in mapping the food environment. We will also examine objective and subjective measures of food access including community members’ perceptions of their access to healthy foods and the influence of racial composition.

Session Objectives: 1. Examine social and racial factors to consider when measuring local food environments. 2. Assess sources of data and their limitations in describing the retail food landscape. 3. Describe factors that contribute to consumers’ perceptions of the accessibility of healthful foods and the interplay of these factors with the actual food environment of the community. 4. Identify and discuss the opportunities and challenges associated with various GIS mapping models.

Moderator: [Judy F. Wilson](#), MSPH, RD

10:30 AM [Measuring food environments: Accuracy of commercial food store lists](#)

Tatiana Andreyeva, PhD, Ann Bellenger, MPH, Michael W. Long, MPH and Marlene B. Schwartz, PhD

10:45 AM [Examining local food environments: Objective and subjective measures of access to healthful foods](#)

Darcy A. Freedman, PhD and Bethany A. Bell, PhD

11:00 AM [Mapping Healthy Food Lanscapes for WIC Participants](#)

Amy Hillier, PhD, Jackie McLaughlin, MS RD and Allison Karpyn, PhD

11:15 AM [Communities of excellence in nutrition, physical activity, and obesity prevention \(CX3\) project uses GIS mapping of low-income neighborhood food environments](#)

Alyssa Ghirardelli, MPH, RD, Valerie Quinn, MEd, Mathew Stone, MPH and Sharon Sugerma, MS, RD

11:30 AM [Relationships between Neighborhood Racial Composition and Healthy Snack Food Availability in Southwest Chicago](#)

Angela Odoms-Young, PhD, Shannon N. Zenk, PhD, Young-Ku Choi, PhD, Sumithra Murthy, MPH and Erin Murphy, BS, RD

Organized by: [Food and Nutrition](#)

4102.0 [Increasing Physical Activity in Adults from Tailoring to Technology](#) - Oral

Room: PCC 108A

Research continues to demonstrate physical activity's influence on multiple dimensions of health throughout the lifespan. Although there is evidence for a number of factors that determine physical activity levels in adults, the success of efforts to increase physical activity depends largely on the extent to which those efforts have been tailored to meet the specific needs of target populations. This session will identify strategies that can be used to tailor physical activity programs in order to optimize the activity levels of various adult populations. Environmental, ethnic, cultural, and psychosocial factors will be discussed as important considerations when designing interventions.

Session Objectives: 1. Identify strategies for conducting effective, physical activity based needs assessments. 2. Evaluate interventions to increase physical activity in light of cultural and environmental needs.

Moderator: [James F. Konopack](#)

10:30 AM [Development of a Tailored Physical Activity Intervention for Middle-Age and Older African American Men](#)

Ericka L. Burroughs, MA, MPH, Steven P. Hooker, PhD, Sara Wilcox, PhD, Carol Rheume, MPH, Anna Feeney, MS and Mary Ellen Suitt

10:50 AM [Small Steps are Easier Together: Increasing walking steps using web-based reporting and individual goal setting at work](#)

Carol M. Devine, PhD, RD, Mary Maley, MS and Barbour Warren, PhD

11:10 AM [Implementation of Active & Healthy Brotherhood: A Tailored Physical Activity Program for Middle-Age African American Men](#)

Steven P. Hooker, PhD, Sara Wilcox, PhD, Brook E. Harmon, MS, RD, Ericka L. Burroughs, MA, MPH and Carol Rheume, MPH

11:30 AM [Weight control practices of black female college students in the south](#)

Phoebe Butler-Ajibade, EdD and Patricia Lynch, PhD, RD, LDN

Organized by: [Food and Nutrition](#)

Endorsed by: Gerontological Health, Women's Caucus

4082.0 [Film & Technology Session - Other Public Health Videos 02](#) - Oral

In Food, Inc., filmmaker Robert Kenner lifts the veil on our nation's food industry, exposing the highly mechanized underbelly that has been hidden from the American consumer with the consent of our government's regulatory agencies, USDA and FDA. Our nation's food supply is now controlled by a handful of corporations that often put profit ahead of consumer health, the livelihood of the American farmer, the safety of workers and our own environment. We have bigger-breasted chickens, the perfect pork chop, herbicide-resistant soybean seeds, even tomatoes that won't go bad, but we also have new strains of E. coli-the harmful bacteria that causes illness for an estimated 73,000 Americans annually. We are riddled with widespread obesity, particularly among children, and an epidemic level of diabetes among adults. Featuring interviews with such experts as Eric Schlosser (Fast Food Nation), Michael Pollan (The Omnivore's Dilemma, In Defense of Food: An Eater's Manifesto) along with forward thinking social entrepreneurs like Stonyfield's Gary Hirshberg and Polyface Farms' Joel Salatin, Food, Inc. reveals surprising-and often shocking truths-about what we eat, how it's produced, who we have become as a nation and where we are going from here.

Session Objectives: 1. Describe the information presented regarding how the industrial food system may be contributing to public health problems of obesity and chronic disease. 2. Discuss the role of corporate power in the food system. 3. Describe how industrial food animal production threatens the efficacy of antimicrobials essential to protecting human health. 4. Name barriers to protecting and promoting food safety.

10:30 AM

[Welcoming Remarks](#)

10:31 AM

[Food, Inc. 93 minutes. In Food, Inc., filmmaker Robert Kenner lifts the veil on our nation's food industry, exposing the highly mechanized underbelly that has been hidden from the American consumer with the consent of our government's regulatory agencies, USDA and FDA. Our nation's food supply is now controlled by a handful of corporations that often put profit ahead of consumer health, the livelihood of the American farmer, the safety of workers and our own environment. Featuring interviews with such experts as Eric](#)

[Schlosser \(Fast Food Nation\), Michael Pollan \(The Omnivore's Dilemma, In Defense of Food: An Eater's Manifesto\) along with forward thinking social entrepreneurs like Stonyfield's Gary Hirshberg and Polyface Farms' Joel Salatin. Food, Inc. reveals surprising-and often shocking truths-about what we eat, how it's produced, who we have become as a nation and where we are going from here. Producers: Robert Kenner & Elise Pearlstein. URL: <http://www.foodincmovie.com/about-the-film.php>](#)

11:51 AM

[Discussion](#)

See individual abstracts for presenting author's disclosure statement and author's information.

Organized by: [APHA-Film & Technology Theater](#)

Tuesday, November 10, 2009 cont...

12:30 PM-2:00 PM

4191.0 [Benefits and risks from the sea: Balancing nutritional benefits with toxicological risks: Where are we now and where do we need to go?](#) - Oral

The session will discuss public health communication about seafood benefits and risks, going into detail about nutritional benefits, toxicological risks and economics. There have been many recent advances in this field and it remains a challenge to create locally and culturally relevant seafood guidelines in light of these considerations. This session seeks to understand the complex of factors that determine recommendations about seafood consumption and to guide public health practitioners in formulating recommendations.

Session Objectives: 1. Evaluate the nutritional benefits, toxicological risks and economics of seafood consumption based on recent scientific advances in the field. 2. Describe challenges to optimizing seafood consumption guidelines and discuss how to approach this challenge in a scientifically sound manner. 3. Formulate guidance for assessing and balancing the risks and benefits from seafood consumption.

Organizer: [Elaine M. Faustman](#), PhD DABT

Moderator: [Elaine M. Faustman](#), PhD DABT

12:30 PM [Food, incomes and health](#)

Adam Drewnowski, PhD

12:50 PM [Nutritional perspectives on benefits of fish consumption](#)

Alice H. Lichtenstein, DSc

1:10 PM [Quantitative approaches to understanding the balance of risks and beneficial effects from fish consumption: New modeling approaches](#)

P. Michael Bolger, PhD, DABT and Clark D. Carrington, PhD, DABT

1:30 PM [Balancing the health benefits and risks from seafood consumption](#)

David C. Bellinger, PhD, MSc

Organized by: [Environment](#)

Endorsed by: Food and Nutrition

4198.0 [Exploring the Complexity of Factors Influencing Food Decisions](#) -Oral

Room: PCC 103A

Social and environmental influences on purchasing and consumption behaviors are gaining new light to inform future strategies to improve dietary practices. Examining contexts associated with the choices of working parents, minorities, vulnerable groups and populations with lack of access to healthy foods is an important step to begin to develop clear approaches that improve decision making capabilities and messages that influence awareness of health risks and human rights. Presenters will generate insight in areas of influence such as seafood advisories, social food networks, food desserts or oases and working parent coping strategies.

Session Objectives: 1)Describe contexts and influences of food purchasing and consumption behaviors 2)Explain how awareness, social networks, food environments and coping strategies can influence the intake of healthy vs. unhealthy foods 3)Discuss ways that influences on consumption behaviors could be considered for policies, programs and interventions to improve healthy eating practices for particular populations

Moderator: [Gail L. Kaye](#), PhD,LPCC, RD, LD

12:30 PM [Awareness and knowledge of national fish consumption advisories on methylmercury in seafood](#)

Amy Lando, MPP and Yuanting Zhang, PhD

Tuesday, November 10, 2009 cont...

12:50 PM [A Qualitative Exploratory Study of Food Management Strategies among African Americans](#)

Jylana Sheats, MPH, Fernando Ona, PhD, MPH, Darleesa Gates, MPH(c), Paula Jones, PhD (c) and Dyeshia Sampson

1:10 PM [Factors influencing food buying practices among residents in a food desert and food oasis: A concept mapping exploration](#)

Renee E. Walker, MPH, Jamie Bialor, BA and Jessica Burke, PhD, MHS

1:30 PM [Food choice coping strategies of employed parents: Associations with structural work conditions](#)

Carol M. Devine, PhD, RD, Tracy J. Farrell, MS, Christine Blake, PhD, RD, Elaine Wethington, PhD, Margaret Jastran, RD and Carole Bisogni, PhD

Organized by: [Food and Nutrition](#)

4199.0 [Vitamin D and Health: Meeting Adequate Intake](#) - Oral

Room: PCC 107B

Scientific evidence continues to accumulate in support of the hypothesis that poor vitamin D status, as measured by low circulating levels of the intermediary metabolite 25-hydroxyvitamin D (25OHD), predisposes infants, children and adults to multiple chronic diseases including autoimmune disorders, malignancy, cardiovascular disease risk and osteoporotic bone loss. The growing prevalence of hypovitaminosis D is a global phenomenon that is well documented in Canada and the United States; nevertheless, our understanding of how diet contributes to this prevalence is limited. In this session, we explore factors that influence dietary intake of vitamin D which significantly affect vitamin D status measured by serum 25OHD levels.

Session Objectives: Participants will be able to explain how the following key diet related factors contribute to poor vitamin D status: 1) infant feeding and supplementation practices; 2) compliance with national pediatric dietary guidelines for breast fed infants; 3) dietary supplement use in the general population, and 4) the effect of national food fortification practices.

Moderator: [Mona S. Calvo](#), PhD

12:30 PM [Factors associated with low vitamin D in infants at four months](#)

Anne Merewood, MPH, IBCLC, Supriya Mehta, MHS, PhD, Xena Grossman, MS, RD, Tai Chen, PhD, Michael F. Holick, PhD, MD and Howard Bauchner, MD

12:50 PM [Pediatrician failure to follow the AAP's 2003 vitamin D guidelines in infants](#)

Xena Grossman, MS, RD, Supriya Mehta, MHS, PhD, Radha Sadacharan, Michael F. Holick, PhD, MD, Howard Bauchner, MD, MPH and Anne Merewood, MPH, IBCLC

1:10 PM [Prevalence of nutrient adequacy for vitamin D in the United States](#)

WenYen Juan, PhD and Kathleen Ellwood, PhD

1:30 PM [Despite Mandatory Fortification of Staple Foods, Vitamin D Intakes of Canadian Children and Adults are Inadequate](#)

Hassan Vatanparast, MD, PhD, Tim Green, PhD, Mona S. Calvo, PhD and **Susan J. Whiting, PhD**

Organized by: [Food and Nutrition](#)

Endorsed by: Alternative and Complementary Health Practices

4200.0 [Informed Choices: The Impact of Nutrition Labeling](#) - Oral

Room: PCC 108A

People are beginning to consume more of their food outside the home and these foods are often higher in fat and sugar. This fact is often lost on the public. Building on the success of the Nutrition Education and Labeling Act, nutrition advocates have begun to push for legislation requiring menu labeling of calories by restaurants. This session will describe the impact of this legislation in a number of different settings. Strategies will be provided for ways to expand the legislation in other jurisdictions.

Session Objectives: Session participants will identify menu labeling interventions in large worksite cafeterias, chain restaurants, and local neighborhood restaurants Session participants will analyze menu labeling consumer reception and behavior change on food choice Session participants will discuss the menu labeling

12:30 PM [Pilot study of menu labeling in Kaiser Permanente hospital workplace cafeterias](#)

Karen Webb, Chris Jensen, Loel Solomon, Jan Sanders, Carol Akiyama and Pat Crawford

12:50 PM [Smart Menu/La Salud Tiene Sabor: Culturally Relevant Menu Labeling in South Los Angeles](#)

Heng Lam Foong, MS, Pri De Silva, MSW and Monica Montes, RD

1:10 PM [Positive Impact of Menu Labeling on Food Choices and Intake](#)

Christina A. Roberto, MS

1:30 PM [Nutrition labeling in chain restaurants: Increasing knowledge and decreasing waistlines](#)

Kathleen Hoke Dachille, JD

Organized by: [Food and Nutrition](#)

Endorsed by: Alternative and Complementary Health Practices

2:30 PM-4:00 PM

4284.0 [Locally Grown: Strategies to Support Local Economies and Public Health](#) - Oral

Room: PCC B

Connecting schools, communities and businesses directly with farmers and garden based education can increase availability and consumption of fruits and vegetables. Lower prices, procurement policies, taste testing and public/private partnerships provide incentives and opportunities to increase demand and intake of fresh, local produce. Presenters will discuss results from an evaluation of farm-to-school programs highlighting student attitudes and behaviors, findings to determine if farmers' markets have lower prices than supermarkets and evidence of public support for farm-to-school policies. Partnerships and business programs to promote innovations in improving or enhancing practices to provide locally grown products will be presented.

Session Objectives: 1)Explain established approaches to connecting locally grown fruits and vegetables with schools, communities and businesses 2)Describe methods used to evaluate effectiveness of programs and interventions aimed at increasing consumption of fruits and vegetables through farm or garden based initiatives 3)Discuss promising policies for connecting farmers, businesses and consumers and the public support for policies evident in survey research

Moderator: [Mark A. Swanson](#), PhD

2:30 PM [Growing Healthy Collaborative: A Farm-to-school-to-home project is associated with fruit and vegetable consumption](#)

Virginia Chomitz, PhD, Stephanie Shapiro Berkson, MPH, Sandra Williams, MPH, Dawn B. Olcott, MS, Claire Kozower, MS, Jane Hirschi, Nicholas Deputy, Jennifer Lawrence and Karen Hacker, MD, MPH

2:45 PM [Is produce less expensive at farmers markets or supermarkets in a low-income neighborhood of New York City?](#)

Ruqayyah B. Abdullah, BSc, Philip M. Alberti, PhD, Sasha Deutsch-Link and Jane F. Bedell, MD

3:00 PM [Support of Local or State Farm-to-School Policies among Americans, 2008](#)

Diane M. Harris, PhD, Heidi M. Blanck, PhD, Jian Chen, MSc and Amy L. Yaroch, PhD

3:15 PM [Fresh to You: An innovative, public-private partnership to increase fruit and vegetable consumption](#)

Kim Gans, PhD, MPH, LDN, Gemma Gorham, MPH and Eliza Lawson, MPH

3:30 PM [Food Business Incubation: An Innovative Model for Public Health through Nutritious Food Development, Farm to Cafeteria Programs, Local Food Promotion, Poverty Alleviation, and Regional Economic Growth](#)

H. Louis Cooperhouse

Organized by: [Food and Nutrition](#)

4285.0 [Unique Approaches in Obesity Prevention and School Wellness Policies](#) - Oral

Room: PCC 109B

The purpose of this session is to explore unique ways to impact the obesity epidemic through various approaches in states, communities and schools. The panel will examine state legislative efforts to increase fruit and vegetable intake; the National Policy and Legal Analysis Network aimed at increasing communities' capacity to make healthier options more accessible to children; a training initiative for parents and community leaders on local school wellness policies to support implementation of these policies; and state- and district-level nutrition policies addressing junk food sales to students in school vending machines and school stores. Benefits and challenges of each approach will be presented.

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Session Objectives: At the end of this session, participants will be able to: 1. Discuss state and national policy initiatives that address the obesity epidemic including fruit and vegetable state legislation and increasing communities' capacity to make healthier options available. 2. Describe two unique policy-related approaches to promote healthy nutrition and/or physical activity environments in schools.

Moderator: [Barbara Polhamus](#), PhD, MPH

2:30 PM [State legislative efforts to improve access to fruits and vegetables: A systematic examination of policies](#)

Sonia A. Kim, PhD, Heidi M. Blanck, PhD and Dawn M. Wiese, MD

2:50 PM [Tipping the scales: Using the law to further childhood obesity prevention policy](#)

Manel Kappagoda, JD, MPH, Christine Fry, MPP and Marice Ashe, JD, MPH

3:10 PM [Building the capacity of community leaders to engage parents in local school wellness policy](#)

Nestor Martinez, MPH, RD, Eddy Jara, MPH, DrPH (c), Joanne Gooley, MA, RD, Victoria Berends, BS and Peggy Agron, MS, RD

3:30 PM [State but not district nutrition policies are associated with less 'junk food' in school vending machines and school stores in US public schools](#)

Martha Y. Kubik, PhD, RN, Melanie Wall, PhD, Marilyn S. Nanney, PhD, MPH, RD, Toben F. Nelson, ScD, Melissa Nelson, PhD, RD and Mary Story, PhD, RD

Organized by: [Food and Nutrition](#)

Endorsed by: Maternal and Child Health, Social Work

4285.0 [Empowering Change Agents to Enhance the Efficacy of Policy Shifts & Education for Obesity Prevention](#) - Oral

Room: PCC 204B

Transforming community landscapes to create new opportunities for healthy eating and active living are a trend in more holistic approaches to chronic disease prevention. Increasingly, such efforts also seek to identify potential community change agents and empower them to engage their peers to utilize newly-created opportunities for making healthy food choices and being active. This session looks at a variety of dynamic efforts to motivate key change agents to take action to enhance policy and environmental efforts in their own communities. In California, two presentations provide details and curriculum related to trainings for parents and key community activists to advocate for the adoption and implementation of school wellness policies along with the findings of extensive focus groups involving the same change agents. These focus groups explore their ideas about cultural and other barriers as well as opportunities for community buy-in of wellness policies. In Connecticut, a presentation will share protocols and efficacy measures for family sessions designed to gain parental buy-in for newly established hands-on food education in their child's classroom. Lastly, in Philadelphia, a social marketing campaign co-created and rolled out by local youth to promote Snack 'n Fresh kiosks in bodegas filled with healthy snacks selected by the youth, demonstrates the power of enlisting key change agents and inspiring their participation to provide added muscle to policy and education interventions.

Session Objectives: Participants will be able to identify effective strategies for engaging community members and gaining their buy-in to serve as change agents to enhance the effectiveness of policy and/or education interventions.

Organizer: [Lynn Fredericks](#), BA

Moderator: [Sarah Samuels](#), DrPH

2:30 PM [Engaging Community Residents in Creating Healthy Food & Physical Activity Environments: Perspectives from CCROPP Community Residents & HEAC Parents](#)

Sallie Yoshida, DrPH, RD, Liz Schwarte, MPH, Lisa Craypo, MPH, RD, Jeremiah Robert Garza, MA, MPH, CHES and Sarah Samuels, DrPH

2:50 PM [Mobilizing parents to enhance the efficacy of K-3 nutrition education in Connecticut elementary schools](#)

Lynn Fredericks, BA, Mercedes Sanchez, RD and Cindy Crusto

3:10 PM [Youth as change agents: Increasing healthy foods in corner stores](#)

Brianna Almaguer Sandoval

3:30 PM [Engaging Parents in Local School Wellness Policy Implementation](#)

Peggy Agron, MA, RD and **Katherine Hawksworth, MPH, CHES**

Organized by: [Food and Nutrition](#)
Endorsed by: Social Work

4:30 PM-5:30 PM

4344.0 [Physical Activity and Obesity Prevention](#) (Poster Session)

4:30 PM-6:00 PM

4366.0 [Getting from Here to There: Planning and Building Healthier, More Sustainable Food \(and Water\) Systems \(Organized Jointly by FN and ENV Sections\)](#) - **Oral**

Room: PCC 107B

From climate change to the increasing scarcity of fresh water to reduced antibiotic effectiveness to food security and chronic disease epidemics, the public health impacts of decades of investment in unsustainable agriculture are becoming manifest. Public health evidence is building for the need to move the food system in the direction of health and sustainability, but the specific blueprint for moving from here to there is often lacking. This panel includes speakers presenting such ideas in the form of a) a new research agenda informing evidence-based policy change to bring about a healthier food system, discussed at the April 2009 Food Systems and Public Health Conference; b) case studies compiled by the American Planning Association's Planning & Community Health Research Center on how planning and public health professionals, policymakers and other stakeholders are collaborating to affect positive changes in access to healthy, sustainable food at the local government level and through the built environment; and c) a speaker from Somerton Tanks Farm, within Philadelphia city limits, will discuss an innovative urban agriculture pilot, supported by the Philadelphia Water Department, for an ecological approach to intensive fruit and vegetable farming using highly sophisticated rotational planting to build soil fertility, reduce pests and raise yields, while protecting watershed quality and enhancing local food systems.

Session Objectives: 1) Discuss specific ideas on how to plan for healthy, sustainable food and water systems. 2) Identify leverage points between food systems and water systems to realize sustainability along with the co-benefits of economic performance, reduced fossil fuel dependence, and better health. 3) Describe the role of multiple public agencies (planning, public health, public works, etc.) in developing and implementing food and land use policy to improve food security and support environmental sustainability.

Moderator: [Mailee Walker](#)

4:30 PM [A policy-relevant research blueprint for building a healthier food system: The 2009 Food Systems and Public Health Conference](#)

David Wallinga, MD, MPA

4:55 PM [Planning for Local Access to Healthy Foods](#)

Kimberley Hodgson, MURP, MS, RD

5:20 PM [Putting a New SPIN on Farming](#)

Roxanne Christensen

Organized by: [Food and Nutrition](#)

Endorsed by: Environment, Socialist Caucus

4367.0 [Produce for the people: how farmer's markets and produce stands are changing nutrition environments in California's Central Valley](#) - **Oral**

Room: PCC 111B

Residents of low-income neighborhoods historically lack adequate access to fresh fruits and vegetables. Farmer's markets and produce stands are becoming an increasingly desirable means of bringing local produce to area residents at an affordable price. In the Central Valley, a region of year-round agricultural bounty but also extreme poverty, the Central California Regional Obesity Prevention Program (CCROPP), funded by The California Endowment and a partnership between public health departments and community-based organizations, has worked to install or enhance farmer's markets and produce stands as part of a plan to improve food access, promote healthy eating, and reduce obesity rates in the region. The program was formed to reduce barriers to healthy food and physical activity opportunities in target communities, where obesity rates

Tuesday, November 10, 2009 cont...

have rapidly increased in both children and adults. The session provides discussion from the grantees of CCROPP to disseminate their successes, challenges and lessons learned to a broad public health audience.

Session Objectives: 1) Discuss the roll that farmer's markets and produce stands in low-income, rural areas have in improving access to fresh produce 2) List three non-traditional partners with whom CCROPP grantees worked to develop farmer's markets and produce stands 3) Describe several methods used by CCROPP grantees to engage their respective communities in their work with farmer's markets and produce stands

Organizer: [Krista Stiffler](#), MPH

Moderator: [Genoveva Islas-Hooker](#), MPH

4:30 PM [Produce for the people: How farmer's markets and produce stands are changing nutrition environments in California's Central Valley](#)

Genoveva Islas-Hooker, MPH

4:40 PM [Assessing farmer's markets and produce stands in California's Central Valley](#)

Krista Stiffler, MPH, Liz Schwarte, MPH, Sally J. Lawrence, MPH and Sarah Samuels, DrPH

4:50 PM [Implementing EBT \(Electronic Benefits Transfer\) at local flea market](#)

Claudia G. Corchado

5:05 PM [Partnership with Fresno Unified School District Neighborhood Resource Centers to set-up farmers' markets on school sites in low-income neighborhoods](#)

Reyna N. Villalobos Villalobos, MPH and Edie Jessup

5:20 PM [On-site farmer's market to increase access and to improve the consumption of fresh produce](#)

Avtar K. Nijjer-Sidhu, PhD, RD

Organized by: [Food and Nutrition](#)

Endorsed by: Alternative and Complementary Health Practices, Socialist Caucus

4368.0 [Shifting Beverage Consumption from Sweetened Drinks to Water: Research Findings and Lessons from the Field](#) - Oral

Room: PCC 103C

As we approach 2010, poor diet and obesity remain a public health challenge in the United States. The consumption of sweetened beverages is a major contributing factor to overweight and obesity in America. To help circumvent the impact of high calorie beverages among Americans, efforts are underway to promote the consumption of water through policies, campaigns, and other studies and initiatives. This session will share successful strategies from the field for promoting the consumption of water among adults, adolescents, and children. If you are concerned about the impact sweetened beverages has on overweight and obesity in America and would like to learn about strategies to help improve water consumption in your schools and community, this is a session you cannot afford to miss.

Session Objectives: 1. Describe methods for evaluating a community-based campaign addressing sweetened beverage consumption. 2. Identify differences in beverage consumption by age, gender, and locale type (urban, suburban, rural). 3. Describe the impact of policy on beverage availability and consumption.

Moderator: [Janice Adams-King](#), RN, BSN, MS (USP)

4:30 PM [Consumption of sugar sweetened and other beverages among teens: Findings from telephone focus groups](#)

Leah Rimkus, MPH, RD, Elissa A. Resnick, MPH, Christopher M. Quinn, BA, Dianne C. Barker, MHS and Frank J. Chaloupka, PhD

4:50 PM [Evaluation of Soda Free Summer 2008: Findings from a six county effort to decrease sweetened beverage consumption](#)

Lisa Craypo, MPH, RD, Mariah Lafleur, MPH candidate, Stacey Wertlieb, Sarah Samuels, DrPH and Susan Karlins, MPH

5:10 PM [Measuring and Promoting Water as the Primary Beverage within Afterschool Programs](#)

Rebekka M. Lee, BA, Steve Gortmaker, PhD, Rebecca Mozaffarian, MS, MPH and Jean Wiecha, PhD

5:30 PM [Water and other beverages in preschools: Accessibility and availability during the school day](#)

Ann E. Bellenger, MPH, Kristen Scott, BA, Marlene B. Schwartz, PhD and Kathryn E. Henderson, PhD

Organized by: [Food and Nutrition](#)

Endorsed by: Socialist Caucus

6:30 PM-8:00 PM

Networking Reception of the APHA Food and Environment Working Group

Location: William Way Community Center, 1315 Spruce St

The 4th Annual Networking Reception of the APHA Food and Environment Working Group event will feature local, sustainable hors d'oeuvres and stimulating conversation with like-minded colleagues and food system professionals from Philadelphia.

[Learn more about the event via this flyer](#), and feel free to share it with others attending the APHA Annual Meeting in Philadelphia.

Space is limited, please RSVP to Rebecca Klein by October 20th, 2009 to rklein@jhsph.edu

Walking directions to the reception: <http://tinyurl.com/y8h4jfx>

http://www.foodenvironment.com/wp-content/uploads/2009/09/PHA_FoodEnv_Networking_Event.pdf

The APHA Food & Environment working group is a multi-disciplinary group working across APHA sections, to protect public health by promoting and cultivating a safe, healthy, just and sustainable food system.

Wednesday, November 11, 2009

8:30 AM-9:30 AM

5005.0 [Environmental Health Poster Session IV: Food and the Environment](#) (Poster Session)

5021.0 [Breastfeeding Potpourri](#) (Poster Session)

8:30 AM-10:00 AM

5044.0 [Global Perspectives on Innovative Strategies to Improve Human Nutrition](#) - Oral

Room: PCC 103C

Involving community leaders and providing services that are specific to the needs of households is critical to developing strategies to improve nutrition for poor, rural parts of the world. The scope and approach of involvement is unique to projects and regions. Additionally, new grassroots and sensible ideas continue to be attempted, with some gaining success. Presenters will highlight joint action planning methods with community leaders, a model of assessment examining micro and macro level factors for a political ecology perspective and innovative approaches featuring arid plantings in India and micro-credit loans in Bangladesh.

Session Objectives: 1)Identify methods utilized to impact hunger and malnutrition in rural, developing countries 2)Discuss micro and macro level factors and the importance if engaging community leaders to participate in planning of initiatives to improve nutrition outcomes for poor, vulnerable households

Moderator: [Noel Chávez](#), PhD, RD

8:30 AM [Senegal: A successful community-based strategy to improve child nutrition](#)

Amadou Gaye, MD, Moussa Sarr, MD, Ryan Lander, MPH and Luis Tam, MD DrPH

8:50 AM [Government, NGO, and community factors affecting malnutrition in twelve indigenous Guatemalan communities](#)

Paul Kadetz, MSN, MPH, Phd(c)

9:10 AM [Arid Horticulture units in the Thar Desert, India : Enhancing nutritional status](#)

Prakash Tyagi, MD

9:30 AM [Effect of microcredit loans on household resource allocation in Bangladesh](#)

Nirali M. Shah

Organized by: [Food and Nutrition](#)

Endorsed by: Socialist Caucus

5045.0 [Trends in Maximizing the Efficacy of Federal Nutrition Programs](#) - Oral

Room: PCC 107B

Thirty million people per month receive benefits from the Supplemental Nutrition Program. This number continues to rise as the economy shifts. A number of recent program enhancements have been added to

Wednesday, November 11, 2009 cont...

increase the ease of participation and the relevance of the nutrition education. In addition data is now collected in systematic way (Education and Administrative Reports) to provide insight into the end users of the services which might aid with further tailoring of the program. This session will review these changes and also highlight continued challenges with program delivery.

Session Objectives: 1) Describe the data available from the Education and Administrative Report of the Supplemental Nutrition Assistance Program (SNAP) 2) Discuss the changes to SNAP including the ease of registration, core nutrition education messages, etc.

Moderator: [Lynn Fredericks](#), BA

8:30 AM [Accessibility to Fruits and Vegetables and other Healthy Food Options in a Rural Area in Maine](#)

Teresa A. Hubley, MPA, PhD

8:50 AM [Increased accessibility through technology: An exploratory study of SNAP modernization in Milwaukee County, WI](#)

Ayanna K. Williams, BA

9:10 AM [Food and Nutrition Service's core nutrition education messages align with needs assessment of parents of preschoolers in Pennsylvania supplemental nutrition assistance program education](#)

Barbara A. Lohse, PhD, RD, Teresa Yoder, RD, LDN, Alison Ventura, PhD, Sharon R. Smith, RD, Judy C. Gromis, MS RD and Angela Tzilkowski, BS

9:30 AM [Listening to EARS-What the FY 2008 Education and Administrative Report \(EARS\) said about SNAP nutrition education activities](#)

Judy F. Wilson, MSPH, RD, Anita Singh, PhD, RD, Alice Lockett, MS, RD, LD, Melissa Walker, MS, MBA, RD and Carol Olander, PhD

Organized by: [Food and Nutrition](#)

10:30 AM-12:00 PM

5091.0 [Preventing Food and Waterborne Illness: Reapplying Broad Street with a Systems](#)

[Approach](#) - Oral

The role of water in the causation of some U.S. illnesses and disease outbreaks needs to be better understood. The etiology of foodborne outbreaks is often linked to water. The use and consumption of contaminated water has caused a growing range and frequency of waterborne outbreaks. These outbreaks have a significant impact on public health in the U.S. and around the world. A significant portion of waterborne illnesses is most likely unreported or attributed to sources other than water. Findings of some studies suggest that 4%-12% of the estimated 211 million annual gastrointestinal illnesses in the U.S. may be attributed to water and 36% attributed to food. Detection and investigation of food and waterborne outbreaks have changed with the introduction of microbiological surveillance systems, such as PulseNet, allows the detection of outbreaks spread over the country and the world by matching genetic fingerprints of pathogens. This not only has enhanced our understanding of the interrelatedness and numbers of outbreaks that are occurring, but also emphasized the importance of understanding the interconnectedness of ecologies. To implement an effective prevention strategy, the environmental antecedents and contributing factors should be understood within an integrated systems perspective. A holistic investigation of food and waterborne outbreaks require that the dynamics of the interacting components be understood in the four dimensions (space and time). This is vital in devising a better informed prevention strategy because it emphasizes the understanding of the environmental contributing factors of these outbreaks within a system defined by the hydrological cycle. Local representations of the cycle can be used as the framework to better understand the health of the watershed, the dominant land use practices, types of water sources and potential sources of contamination, irrigation water, drinking water treatment and distribution systems, wastewater collection and treatment systems, and other uses of water. The Environmental Health Services Branch (EHSB) in the National Centers for Environmental Health (NCEH) at the CDC is working to answer surveillance, epidemiologic, behavioral and environmental health research questions and identify emerging public health issues. Through the use of the environmental health triads, systems theory, and the collaboration of state and national partners, CDC water teams have identified that almost half of all drinking water deficiencies were not under the jurisdiction of the water utility companies, and that nearly all waterborne disease outbreaks associated with contamination of source water, treatment facility, or distribution system occurred in systems using ground water. Much of them in houses that

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are served with both a private well and an onsite wastewater system. Thus surveillance data has led to the evaluation of current technologies and practices, identification of research priorities, as well as to emphasize the importance of a holistic view of the environmental conditions unique to each water system. Based on these findings and past experiences, EHSB and the EHS-Net Program have become increasingly important due to its role as a collaborative forum of environmental health specialists whose goals are to identify environmental antecedents to illness and disease outbreaks, translate findings into improved prevention efforts using a systems approach, offer training opportunities, and to strengthen collaboration among epidemiology, laboratory, and environmental public health service programs. The purpose of this session will be to introduce the disease ecology approach and the work that EHSB is currently conducting on water and food, and their related systems.

Session Objectives: 1. Describe the role of environmental health in the ecology of disease and how EHSB has utilized systems theory as a construct to understand the interaction between water systems and public health. 2. Identify the EHSB's Environmental Health Services Network (EHS-Net) Program and describe how EHS-Net utilizes a collaborative forum comprised of environmental health specialists, epidemiologists and laboratorians to understand contributing factors and environmental antecedents in food and waterborne disease outbreaks. 3. Evaluate the role of environmental assessments in the investigation of food and waterborne disease outbreaks and identifying environmental factors related to these disease outbreaks.

Moderator: [Kristin C. Delea](#), MPH, REHS

Organizer: [Kristin C. Delea](#), MPH, REHS

10:30 AM [Environmental Health Specialists Network \(EHS-Net\): A basis for understanding environmental antecedents and contributing factors to outbreaks](#)

Carol Selman, MPH

10:45 AM [EHS-Net: Understanding Outbreak Surveillance](#)

Vince Radke, MPH

11:00 AM [Wastewater Management: Issues in Environmental Public Health](#)

Max Zarate-Bermudez, MS, MPH, PhD

11:15 AM [Rethinking Systems Approach for Waterborne Disease Prevention](#)

Mansoor A. Baloch, PhD

11:30 AM [Water Safety Plans: A Hazards Analysis Approach to Understanding Water Systems](#)

Kristin C. Delea, MPH, REHS

Organized by: [APHA-Special Sessions](#)

Endorsed by: Environment, Food and Nutrition

5104.0 [Meat Matters: Effects of Industrial Meat Production on Human & Environmental Health](#) -
Oral, Room: PCC 103C

The food industry and regulation of practices to ensure food safety for the public continues to be in the spotlight. This session will explore specifically meat production and animal-based diets to discuss impacts to human health and the environment. Presenters will examine linkages between production, distribution, waste and the environment for a more wholistic view of animal-based diets. Policies that could improve safety, minimize risks to human health, and impact greenhouse gas emissions will be discussed.

Session Objectives: 1. Describe the costs to health, society, and public goods from the industrial meat production system. 2. Identify the regulatory and policy approaches in order to protect human and environmental health with concern of industrial meat production.

Moderator: [Christa Essig](#)

10:30 AM [Environmental impact of changing global dietary patterns](#)

Poonam Dhavan, MBBS, DHA, MPH

10:50 AM [Filthy Feed: The Risky and Unregulated Practice of Feeding Poultry Litter to Cattle](#)

Larissa McKenna, MPH, MS

11:10 AM [Genetically engineered animals in agriculture: Trait selection and public health](#)

Michael Greger, MD

Organized by: [Food and Nutrition](#)

Endorsed by: Environment, Socialist Caucus

5105.0 [Analysis of Strategies Involving Food and Social Marketing](#) - Oral

Room: PCC 103A

The marketing of food occurs at many levels prior to people making the choice to purchase or consume items. Debates continue over food marketing to children and corporate responsibility regarding ads and campaigns aimed at youth. News coverage on the risks or benefits of foods can impact choices as well. Additionally, retailer attitudes regarding demand, profitability and placement of products are critical to the access and availability in neighborhood food markets. Social marketing through organizations and networks also affects consumption behaviors. Presenters will discuss these diverse, yet related elements in the context of children, families, communities, and public assistance programs.

Session Objectives: Discuss the marketing of foods covering the retail level, news and public relations and corporate media. Describe methods to measure company standards for food marketing to children, a social marketing campaign for working mothers, store owner/vendor attitudes, and to compare news coverage

Moderator: [Jennifer J. Quinlan](#), PhD

10:30 AM [Food marketing report card: An analysis of industry's policies on food marketing to children](#)

Ameena Batada, DrPH and **Margo G. Wootan, DSc**

10:50 AM [Using social marketing to increase the frequency of the family dinner](#)

Mary Martinasek, MPH, CHES

11:10 AM [Vendor attitudes towards stocking healthy foods: A comparison of WIC and non-WIC food retailers in Connecticut](#)

Ann E. Bellenger, MPH, Tatiana Andreyeva, PhD, Marlene B. Schwartz, PhD and Michael W. Long, MPH

11:30 AM [News on fish: Public health implications of a media discourse ranging from 'super food' to polluted waters](#)

Katherine Clegg Smith, PhD and Amelia Louise Greiner, MS

Organized by: [Food and Nutrition](#)

Endorsed by: Socialist Caucus

5106.0 [Targeted Strategies in Nutrition Education and Training in School and Community Settings](#)
- Oral, Room: PCC 109B

Innovative and targeted approaches are critical to improving nutrition among children and adults. Corner store initiatives, kitchen and garden based integration in schools, and the use of technology will be presented as successful strategies in the field. The nationally recognized School Lunch Initiative implemented as a public/private partnership between the Berkeley Unified School District, Chez Panisse Foundation and the Center for Ecoliteracy will be discussed along with The Food Trust and Temple University's integrated school-community-based social marketing program featuring Healthy School Snack Zones and a unique video approach obesity among the Deaf.

Session Objectives: * Describe methods including new technologies (i.e. video, digital photography) in strategies to enhance community based assessments, as well as in interventions and evaluations of school age populations in the prevention of obesity. * Describe how to determine the cultural appropriateness of targeted teaching tools used with special populations. * Discuss how collaborative community efforts were employed and their impact on change over time in the nutrition of elementary and middle school aged students in the school environment. * Explain an environmental based strategy for reducing barriers to healthy snacking in an urban setting.

Moderator: [Sandra R. Parkington](#), MPH, RN

10:30 AM [Healthy Corner Store Initiative: Strategies for Creating Healthy Communities](#)

Brianna Almaguer Sandoval, MSSP, Kelley E. Borradaile, PhD, Tara Alexis McCoy, Stephanie S. Vander Veur, MPH, Sandy Sherman, EdD and Gary D. Foster, PhD

10:50 AM [Obesity educational video for the Deaf: A collaborative medical school and community project](#)

Heidi Thompson

11:10 AM [Snapshot: A Photography Study of School Lunch Choice and Consumption](#)

Anna Charlene Martin, PhD, **May-Choo Wang, DrPH, RD**, Suzanne M. Rauzon, MPH, RD, Launa Craig, BS and Natalie Studer, MPH, RD

11:30 AM [Impact of Student Exposure to Comprehensive Changes to School Policy, School Meals and Cooking and Garden Programs: Results of the Three-Year School Lunch Initiative Evaluation Project](#)

May-Choo Wang, DrPH, RD, Suzanne M. Rauzon, MPH, RD, Natalie Studer, MPH, RD, Launa Craig, BS, Anna Charlene Martin, PhD and Pat Crawford

Organized by: [Food and Nutrition](#)

Endorsed by: Maternal and Child Health, Socialist Caucus

12:30 PM-2:00 PM

5156.0 [Epidemiology of Obesity](#) - Oral

This session will explore the epidemiology of obesity in different populations, with an emphasis on gender and other demographic differences. Presentations will include findings from the CARDIA and ADD Health studies as well as kindergartners in Stamford, Connecticut. One presentation examines the association between obesity and illicit drug use, and another the impact of obesity on pulmonary function.

Session Objectives: 1. Describe the relationship between household density, television watching and obesity in adults. 2. Describe the association between obesity and drug use. 3. Evaluate the role of obesity in influencing pulmonary function.

Moderator: [Xiaoxing He](#), MD, MPH

12:30 PM [Introductory Remarks](#)

12:35 PM [Overweight in young children attending Stamford Public Schools](#)

Tsung-Wen Kuo, MD, MPH, PhD and **Johnnie A. Lee, MD, MPH, FACP**

12:53 PM [Association between Obesity and Illicit Drug Use in Young Adults](#)

Shi Huang, PhD, **Frank Charlie Bandiera, MPH** and Guillermo Prado, PhD

1:11 PM [Household density, television watching, and obesity in adults](#)

Earle C. Chambers, PhD, MPH and Rene Kohlieber, BS

1:29 PM [Does biomechanical body structures of weight in obese subjects impede physiological breathing patterns? A cross-sectional study](#)

Priscah Mujuru, DrPH RN, Hari Krishna Salana, MBBS and Stephanie Frisbee, MSc

1:47 PM [Discussion](#)

Organized by: [Epidemiology](#)

Endorsed by: Food and Nutrition, Public Health Nursing, Socialist Caucus, Women's Caucus

5157.0 [Research on Obesity: Economics, Ethnicity and Environment](#) - Oral

Room: PCC 109B

As the epidemic of obesity continues, it is critical to identify potential areas for intervention or best ways to target particular populations. Emerging research findings provide clues to unraveling which approaches are most effective, which populations are particularly at risk for chronic conditions associated with obesity and what messages are important to include in campaigns and initiatives. Additionally, which factors are conditional to circumstances or environments that impact healthy behaviors need to be considered. Session presenters discuss the use of the NEMS (Nutrition Environment Measurement Survey) for collecting food environment and household level data, misconstrued parent perceptions of child weight status and risks of obesity, which groups are particularly vulnerable to increased weight upon entry into the food stamp program and how socio-environmental factors may mediate known relationships between socio-economics and obesity for African-Americans.

Session Objectives: 1) Describe tools or methods used to study food environments, perceptions or effects of food assistance programs in relation to obesity 2) Explain ways to potentially target populations, environments or psycho-social factors to address obesity

Moderator: [Donna Byrne](#), JD

12:30 PM [Measurement of the relationship between children's body mass index and food environments: A feasibility pilot study](#)

Joanna Holsten, MPH, MS, RN and Charlene Compher, PhD, RD

12:50 PM [Weight status, current eating habits, and intention to change in West Virginia parents and adolescents](#)

Kimberly Bosworth Blake, PharmD, MBA, Carole V. Harris, PhD, Andrew S. Bradlyn, PhD, Nancy O'Hara Tompkins, PhD, George A. Kelley, DA, Lucas C. Moore, EdD, Laurie Abildso, MS, Jessica Coffman, MA, Melanie Purkey, MS, Don Chapman, MS, Keri Kennedy, MPH and Kristy Blower, MA

1:10 PM [Effect of Food Stamp Participation On Obesity](#)

Euna Han, PhD and Lisa Powell, PhD

1:30 PM [Do socio-environmental variables mediate the relationship between socioeconomic status and obesity among African Americans?](#)

Tracy M. Hilliard, MPH, Allen Cheadle, PhD, Diane P. Martin, MA, PhD, Donna Johnson, RD, PhD, Clarence Spigner, DrPH, David T. Takeuchi, PhD and Catherine M. Waters, PhD, RN

Organized by: [Food and Nutrition](#)

Endorsed by: Epidemiology, Socialist Caucus

5158.0 [New Perspectives in Breastfeeding Promotion](#) - Oral

Room: PCC 107B

Breastfeeding is the best feeding source for infants. Though the number of women who chose to breastfeed is on the rise, more effort is needed to increase this number. Advocates of breast feeding will be well served to understand the challenges and barriers so that relevant interventions can be designed. Presenters within this session will discuss some of the barriers, challenges as well as propose strategies to overcome these.

Session Objectives: 1) Describe the barriers and challenges faced by women who may be considering breast feeding 2) Discuss strategies that might be beneficial in overcoming the breastfeeding challenges

Moderator: [Geri Henchy](#)

12:30 PM [Association between maternal pre-pregnancy BMI and breastfeeding initiation rates among WIC program participants](#)

Joy P. Nanda, DSc,MS,MHS,MBA, Marycatherine Augustyn, PhD, Susan M. Gross, PhD, MPH, RD, Amy Resnik, MS, RD, CSP, LDN, Caitlin Cross-Barnet, MA and David M. Paige, MD MPH

12:50 PM [Impact of a Telephone Based Peer Counselor Program on Breastfeeding Duration and Exclusivity](#)

Julie Ann Reeder, PhD, MPH, CHES

1:10 PM [Breast pump use among Maryland WIC mothers: Implications for education, distribution, and breastfeeding success](#)

Caitlin Cross-Barnet, MA, Marycatherine Augustyn, PhD, Amy Resnik, MS, RD, CSP, LDN, Susan M. Gross, PhD, MPH, RD, Joy P. Nanda, DSc,MS,MHS,MBA and David M. Paige, MD MPH

1:30 PM [Increasing Paternal Support for Breastfeeding](#)

Brent Langellier, MA

Organized by: [Food and Nutrition](#)

Endorsed by: Maternal and Child Health, Socialist Caucus, Women's Caucus