

Food Insecurity, Neighborhood Food Environment, and Nutrition Health Disparities: State of the Science



NIH National Institutes of Health

Virtual Workshop
September 21 – 23, 2021
12:30 – 5:30 p.m. EDT



Agenda

Day 1: September 21, 12:30–5:30 p.m. EDT

State of the Science on Food Insecurity, Health Impacts, and Interventions

12:00 p.m.

Doors Open

Workshop Introduction and Overview

Alison Brown, PhD, MS, RDN, National Heart, Lung, Blood Institute, NIH

Tanya Agurs-Collins, PhD, RD, National Cancer Institute, NIH

12:30–12:50 p.m.

Opening Remarks and Welcome

Karen Glanz, PhD, MPH, University of Pennsylvania

Angela Odoms-Young, PhD, Cornell University

Eliseo J. Pérez-Stable, MD, Director, National Institute on Minority Health and Health Disparities, NIH

Deputy Under Secretary Stacy Dean, Food, Nutrition, and Consumer Services, U.S. Department of Agriculture

Session 1: Food Insecurity Overview: Definitions, Measurement, and Federal Programs

12:50–1:15 p.m.

Overview of Food Insecurity and Food Nutrition Service Programs

Melissa Abelev, PhD, Food and Nutrition Service, U.S. Department of Agriculture

1:15–1:30 p.m.

Overview of Food Insecurity Measurement

Alisha Coleman-Jensen, PhD, Economic Research Service, U.S. Department of Agriculture

1:30–1:45 p.m.

Pathophysiology Linking Food Insecurity with Obesity and Cardiometabolic Diseases

Sheri Weiser, MD, University of California, San Francisco

1:45–2:05 p.m.

Q&A

Moderator: Angela Odoms-Young, PhD, Cornell University

2:05–2:20 p.m.

Break and Visit the Networking Lounge

Session 2: State of the Science in Food Insecurity: Research Gaps and Opportunities

2:20–3:25 p.m.

Panel 1: Disparities in Food Insecurity and Health Outcomes over the Life Course

Speakers will provide an overview of current evidence related to racial/ethnic and socioeconomic disparities over the life course and examine the association of food insecurity with health outcomes within and between groups. Panel members will discuss the key drivers of these disparities, knowledge gaps, and future research opportunities.

Addressing Food Insecurity among Overlooked Population Groups

Craig Gundersen, PhD, Baylor University

Food Insecurity among Native American Communities

Valarie Blue Bird Jernigan, DrPH, MPH, Center for Indigenous Health Research and Policy, Oklahoma State University

Food Insecurity across the Lifespan

Lorrene Ritchie, PhD, RD, University of California

Q&A

Moderator: Charlotte A. Pratt, PhD, MS, RD, FAHA, National Heart, Lung, and Blood Institute

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3:25–3:30 p.m. **Break**

Session 3: Innovative Interventions to Address Food Insecurity

3:30–3:55 p.m. **Flash Talks 1: Community-Based and Policy Solutions**

Flash talk sessions include brief, 8-minute presentations that highlight innovative interventions to address food insecurity at the local and national level and across multiple settings. This session will highlight innovations in the community setting, as well as federal nutrition policy solutions to tackle food insecurity.

Increased Minimum Wage and Food Insecurity

Caitlin Caspi, ScD, University of Connecticut Rudd Center for Food Policy and Obesity

Understanding Restrictions and Incentives in the Supplemental Nutrition Assistance Program (SNAP)

Lisa Harnack, DrPH, RD, MPH, University of Minnesota

Overview and Early Results from Gus Schumacher Nutrition Incentive Program (GusNIP): Nutrition Incentive and Produce Prescription Projects

Amy Yaroch, PhD, Gretchen Swanson Center for Nutrition, Project Director for GusNIP Nutrition Incentive Program Technical Assistance, Evaluation, and Information Center (NTAE)

3:55–4:20 p.m. **Flash Talks 2: Health Care Interventions**

Flash talk sessions include brief, 8-minute presentations that highlight innovative interventions to address food insecurity at the local and national level and across multiple settings. This session will showcase interventions in the health care setting, focusing on such diseases as cardiometabolic disease and cancer.

New Models of Care to Reduce Food Insecurity

Hilary Seligman, MD, MAS, University of California, San Francisco

Intervention through Medically Tailored Food Choices and Other Approaches in Cancer Patients

Francesca M. Gany, MD, MS, Memorial Sloan Kettering Cancer Center

Interventions to Address Type 2 Diabetes among African Americans Experiencing Food Insecurity

Leonard Egede, MD, MS, Medical College of Wisconsin

4:20–4:40 p.m. **Q&A**

Moderator: Marlene B. Schwartz, PhD, University of Connecticut

4:40–4:55 p.m. **Break and Visit the Networking Lounge**

4:55–5:15 p.m. **Gaps and Opportunities to Address Food Insecurity and Promotion of Racial Equity in the Context of Structural and Social Determinants of Health**

Mariana Chilton, PhD, MPH, Drexel University

5:15–5:25 p.m. **Q&A**

Moderator: Angela Odoms-Young, PhD, Cornell University

5:25–5:30 p.m. **Closing and Summary**

Angela Odoms-Young, PhD, Cornell University

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Day 2: September 22, 12:30–5:30 p.m. EDT

State of the Science on the Neighborhood Food Environment, Health Impacts, and Interventions

12:30–12:50 p.m. **Welcome and Day 1 Recap**
Angela Odoms-Young, PhD, Cornell University
Shannon N. Zenk, PhD, MPH, RN, FAAN, Director, National Institute of Nursing Research, NIH

Session 4: Overview and Measurement of the Neighborhood Food Environment

12:50–1:10 p.m. **State of the Science: Neighborhood Food Environment and How It Influences Health**
Karen Glanz, PhD, MPH, University of Pennsylvania

1:10–1:20 p.m. **Q&A**
Moderator: Angela Odoms-Young, PhD, Cornell University

Session 5: State of the Science in Neighborhood Food Environment: Research Gaps and Opportunities

1:20–2:10 p.m. **Panel 2: Neighborhood Food Environment, Dietary Behaviors, and Health Outcomes**
This panel will review current research on neighborhood food environments, including the retail and restaurant/food service environments and on the association between food environments and poor dietary behaviors, chronic disease, and health disparities. Speakers will discuss gaps in knowledge, research opportunities, and next steps to improve retail food environments and health outcomes.

Retail Food Environments, Diet, and Chronic Disease

Alice Ammerman, DrPH, University of North Carolina at Chapel Hill

Restaurant/Food Service Environments, Diet, and Chronic Disease

Christina Economos, PhD, Tufts University

Q&A

Moderator: Guadalupe X. “Suchi” Ayala, PhD, MPH, San Diego State University

2:10–2:25 p.m. **Break and Visit the Networking Lounge**

2:25–3:30 p.m. **Panel 3: Measurement of Food Access and Neighborhood Food Environment**
This panel will highlight available measures of the community and consumer neighborhood food environments, including geographic information system (GIS) technologies and technology-aided measurements. Speakers will address what is known about the validity and reliability of these measures and provide research examples in this area.

The Food Environment, Food Store Access, and How To Measure The Food Environment Using Geographical Information Systems

Alana Rhone, MPP, Economic Research Service, U.S. Department of Agriculture

Measuring the Consumer Food Environment

Alison Gustafson PhD, MPH, RD, University of Kentucky, Department of Dietetics and Human Nutrition and College of Nursing

Technology-Aided Measurement of the Food Environment

Marta Jankowska, PhD, Beckman Research Institute, City of Hope

Q&A

Moderator: Leslie A. Lytle, PhD, University of North Carolina

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3:30–3:35 p.m. **Break**

Session 6: Interventions to Improve Neighborhood Food Environments

3:35–4:40 p.m. **Panel 4: Interventions to Address the Neighborhood Food Environment**

This panel will discuss interventions intended to make neighborhood food environments more health-enhancing. Speakers will review various intervention studies and their findings, and identify and discuss research gaps and ways to move the science forward.

Placing New Supermarkets in “Food Deserts” - What Have We Learned?

Tamara Dubowitz, ScD, RAND Corporation

Corner Store Initiative Evaluation and Multiple Interventions to Address the Food Environment

Joel Gittelsohn, PhD, Johns Hopkins University

Community Interventions in Food Pantries and within Food Retail Environments

Christina Roberto, PhD, University of Pennsylvania

Q&A

Moderator: Mary Story, PhD, RD, Family Medicine and Community Health, Duke University & Healthy Eating Research National Program

4:40–4:55 p.m. **Break and Visit the Networking Lounge**

4:55–5:25 p.m. **Gaps and Opportunities in the Neighborhood Food Environment: Strategies to Advance Health Equity**

Kristen Cooksey-Stowers, PhD, University of Connecticut

Q&A

Moderator: Karen Glanz, PhD, MPH, University of Pennsylvania

5:25–5:30 p.m. **Closing and Summary**

Karen Glanz, PhD, MPH, University of Pennsylvania

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Day 3: September 23, 12:30–5:30 p.m. EDT Implementation Science, Policy, and Community-Based Research: What Works and What Doesn't

12:30–12:45 p.m. **Welcome and Days 1 and 2 Recap**
Karen Glanz, PhD, MPH, University of Pennsylvania
Angela Odoms-Young, PhD, Cornell University

12:45–1:00 p.m. **Introduction: Focus on Implementation Science**
George A. Mensah, MD, FACC, National Heart, Lung, and Blood Institute, NIH

Session 7: What Has and Hasn't Worked to Address Food Insecurity and Health

1:00–1:15 p.m. **Overview of Feeding America Efforts**
Gita Rampersad, JD, MHA, Feeding America; Vice President, Health and Nutrition

1:15–2:00 p.m. **Panel 5: Strategies to Address Food Insecurity and Health: What Works, What Doesn't, and Why**
This panel will discuss strategies to address food insecurity among high-risk populations in the context of social determinants of health that influence implementation and ways to improve these interventions. Explanations for positive effects or lack of effects will be examined in terms of research methodology and intervention assumptions and features. Speakers will examine research methodologies and interventions to explore what worked or didn't work and why, including case studies of effective interventions as well as future research opportunities.

Implementing Nutrition Ranking in the Charitable Food System.

Marlene B. Schwartz, PhD, University of Connecticut

Addressing Food Insecurity in the COVID-19 Context in Washington State

Adam Drewnowski, PhD, University of Washington

Food Pantry Transformations in Minnesota

Caitlin Caspi, ScD, University of Connecticut

Q&A

Moderator: Elaine Waxman, PhD, Urban Institute

2:00–2:20 p.m. **Visit the Poster Hall for Poster Session 1 (Food Insecurity Track 1)**

Session 8: What Has and Hasn't Worked to Address Neighborhood Food Environments

2:20–2:35 p.m. **CDC-funded Community-based Initiatives to Support Healthy Food Environments**
Captain Heidi Blanck, PhD, Centers for Disease Control and Prevention

2:35–3:20 p.m. **Panel 6: Strategies to Improve Neighborhood Food Environments: What Has and Hasn't Worked and Why**
This panel will examine policies, strategies, and contextual social factors that can influence neighborhood food environments and the implementation of strategies to address these factors. Speakers will describe examples of both effective and ineffective interventions that address changes in the food environment to influence dietary behaviors, emphasizing the importance of multilevel strategies to address neighborhood food environments, health disparities, and barriers to success.

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Fast Food Ban in Los Angeles

Roland Sturm, PhD, Pardee RAND Graduate School

Evaluation of the Healthy Food Financing Initiative

Chelsea Singleton, PhD, Tulane University School of Public Health and Tropical Medicine

Healthy In-Store Marketing

Allison Karpyn, PhD, University of Delaware

Q&A

Moderator: Eric Rimm, ScD, Harvard University

3:20–3:35 p.m. **Break and Visit the Networking Lounge**

3:35–3:55 p.m. **Visit the Poster Hall for Poster Session 2 (Neighborhood Food Environment Track 2)**

Session 9: Cross-Sectoral Partnerships to Address Food Insecurity and Neighborhood Food Environments

3:55–4:40 p.m. **Panel 7: Bridging the Gap: Perspectives from Community Organizations, Health Care Settings, Researchers, and Partners**

The panel will examine best practices in bridging gaps among various settings when developing effective interventions to reduce nutrition-related health disparities. Speakers will highlight exemplars that focus on the importance of community engagement, community-based participatory research, and health care partnerships that tackle food insecurity and poor neighborhood food environments. They also will identify research gaps that should be addressed in future studies.

Community Engagement, Perspectives, and Technology

Antwi Akom, PhD, San Francisco State University, University of California San Francisco

Emergency Food Systems and Health Care Partnerships

Jennifer Obadia, PhD, Project Bread

Implementation of Programs in At-Risk Communities: The REACH Program and the Diabetes Prevention Program

Tiffany L. Gary-Webb, PhD, MHS, University of Pittsburgh

Q&A

Moderator: Diane Harris, PhD, MPH, Centers for Disease Control and Prevention

4:40–4:55 p.m. **Break and Visit the Networking Lounge**

4:55–5:30 p.m. **Wrap-up and Closing**

Karen Glanz, PhD, MPH, University of Pennsylvania

Angela Odoms-Young, PhD, Cornell University