



NOPREN

Nutrition & Obesity

POLICY RESEARCH & EVALUATION NETWORK

State-of-the-Network Annual Meeting 2022

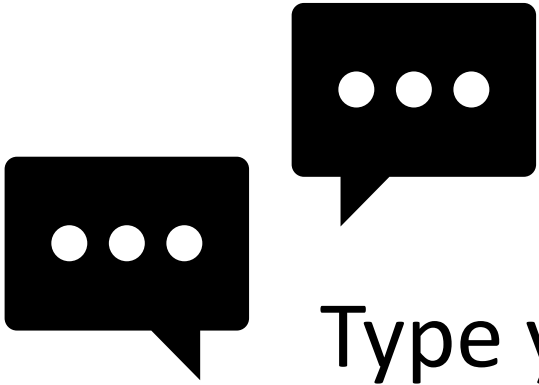
Today's Agenda

- Welcome Remarks
- Science Impact Framework
- Work Group Progress
- 2021-2022 State-of-the-Network
- State & Local Policy Updates & Opportunities
- Innovation through Collaboration Breakout Sessions

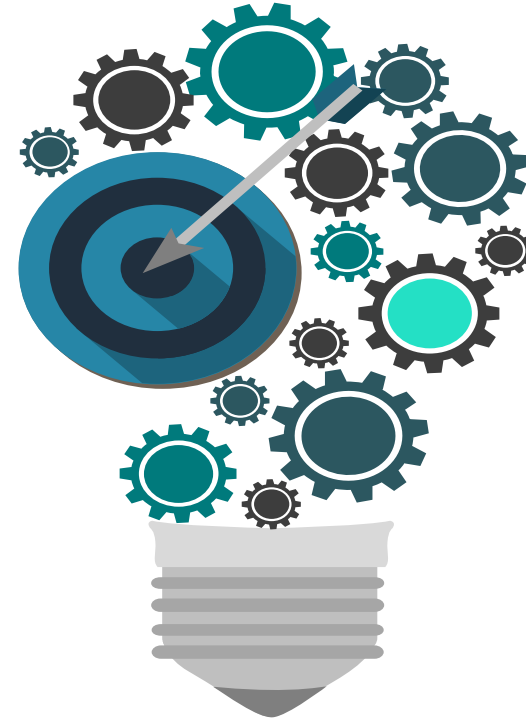
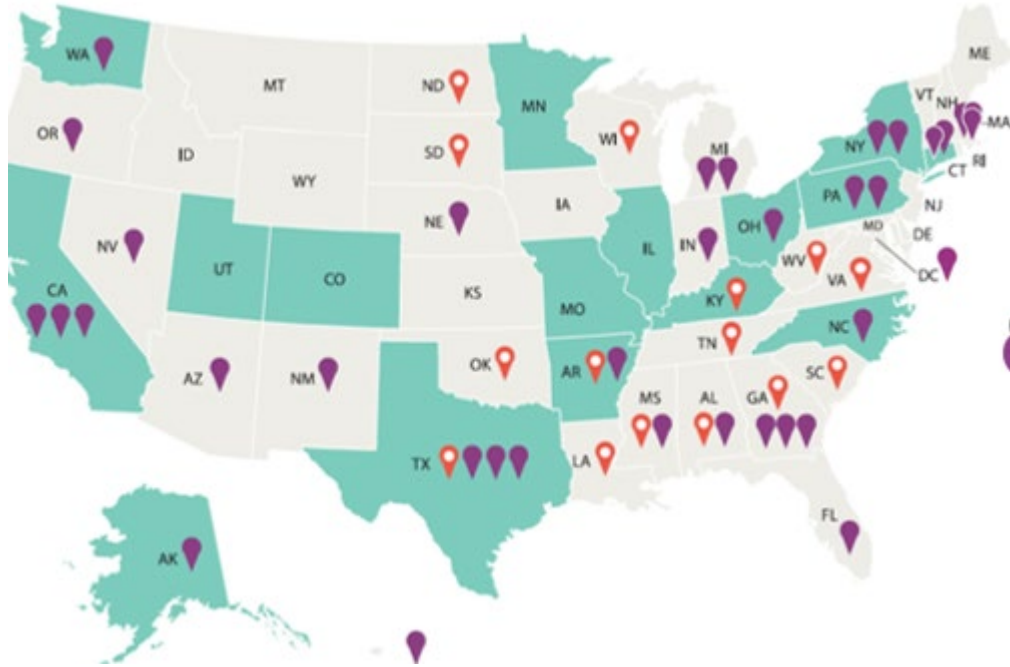


The findings in this presentation are those of the author and do not represent the official views of the Centers for Disease Control & Prevention or Department of Health and Human Services

Welcome!



Type your name, institution, and network affiliation into the chat box!



Health Equity and SDOH

Data Modernization

Emergency Preparedness, Response & Resilience

NOPREN 2022 Workshop

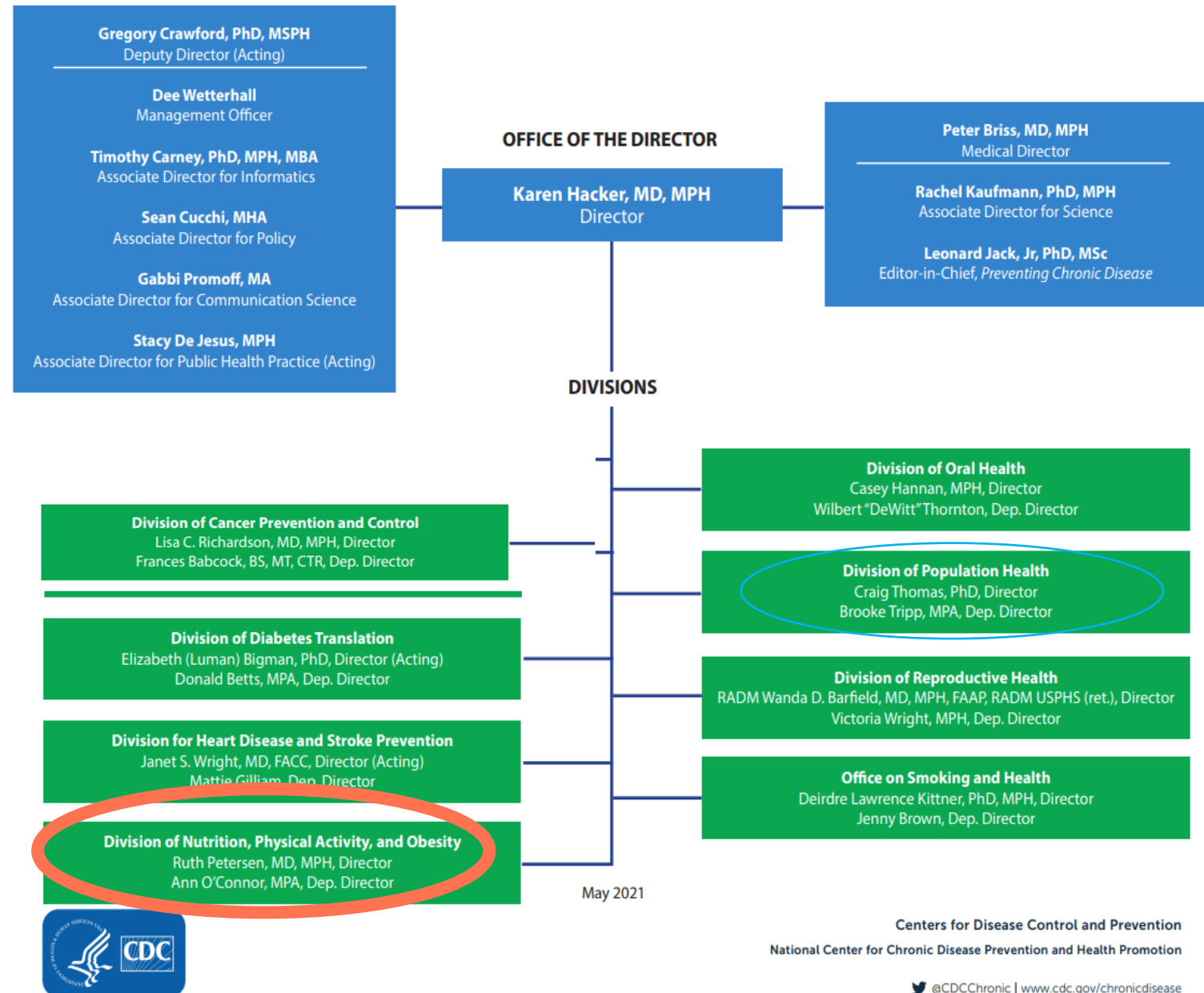
DNPAO/NCCDPHP/CDC
CAPT Heidi Blanck, PhD, Amy Lowry Warnock, MPA
May 5, 2022

The findings presented are those of the speaker and do not represent the official views of CDC, USPHS, DHHS

CDC's National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP)

DNPAO
Heidi & Amy, Co-Leads

Division of population health-
Prevention research center
program
school health branch



Advertisement

HEALTH POLICY BRIEF | CULTURE OF HEALTH

Pandemic-Driven Health Policies To Address Social Needs And Health Equity

[William K. Bleser](#), [Humphrey Shen](#), [Hannah L. Crook](#), [Andrea Thoumi](#), [Rushina Cholera](#), [Jay Pearson](#), [Rebecca Whitaker](#), [Robert S. Saunders](#)

Stark disparities during the COVID-19 pandemic led to new health policy funding and interventions addressing social needs and social determinants of health to improve health equity. Lessons from these interventions and similar prepandemic initiatives can guide policy makers in designing more permanent approaches.

MARCH 10, 2022

health-affairs-brief-appendix-pandemic-health-equity-
bleser.pdf

10.1377/hpb20220210.360906

Lessons from Adaptations to COVID-19 as Strategies for Building Food System Resilience

Food System Challenges



“Examples of collaboration and resource sharing through social connections we documented included: equipment sharing between operations, sourcing information on food safety, technology adoption, and labor shortages; pooling produce to sell through existing online platforms; and consulting already trusted sources to learn about resources available for meeting COVID-19 challenges.

Organizations reported participation in informal and formal networks, calling, texting, and emailing to learn what others were doing week-to-week. Many organizations reported being part of group calls from the health department or other county level branches working to communicate best practices, restrictions, and gather information on food access needs and limitations. Though some aspects of these calls were informative, long-standing networks such as area food councils that hosted weekly call-ins for organizations to facilitate information sharing and troubleshooting were considered *more* helpful by all accounts.²

White House Conference



- Announced May 4th - The White House Conference on Hunger, Nutrition, and Health will catalyze the public and private sectors around a strategy to end hunger, improve nutrition and physical activity, and close disparities.
 - Listening Sessions will be hosted by the White House for public input
 - Guides/Toolkits to gather input on policy strategies
 - Visit & Sign up for emails: whitehouse.gov/hungerhealthconference
 - Mid September 2022 Conference – National Strategy Report

Childhood health and the COVID-19 Pandemic - examples

- Among youth with COVID-19, **underlying medical conditions (including high weight) increased the likelihood for hospitalization and severe COVID-19 illness**
- Among youth, the **average rate of BMI increase doubled** during the pandemic
- Increase in emergency room visits for eating disorder conditions by youth

Obesity is a risk factor for both hospitalization & severe COVID-19 illness among children and adolescents

Rates of BMI change doubled among children and adolescents during the COVID-19 pandemic

Worse health outcomes

Kompaniyets L et al. Underlying Medical Conditions Associated With Severe COVID-19 Illness Among Children. JAMA Netw Open. 2021;4(6):e2111182.

Lange SJ, et al. Longitudinal Trends in Body Mass Index Before and During the COVID-19 Pandemic Among Persons Aged 2–19 Years — United States, 2018–2020. MMWR 2021;70:1278–1283.

Radhakrishnan L, et al. Pediatric Emergency Department Visits Associated with Mental Health Conditions- COVID-19 Pandemic US, Jan 2019–Jan 2022. MMWR 2022;71:319. Barrett CE. MMWR January 13, 2022.

Supporting Children & Families in Many Settings



Early Care & Education (ECE)



Schools



Healthcare



Community

Layered policy, system, and organizational supports



*Healthy
Behaviors, Growth, Ready to
Learn, Wellness, Happiness*

Health services - child policy research

U.S. Preventive Services Task Force Recommendation (2017):
Grade B* (>60 studies)

Physicians should **screen children ages 6+** using BMI and **offer/refer** children with obesity to **Family Healthy Weight Programs**

CDC has created new EHR data cleaning tools for BMI data in kids, adults

[GitHub - R package for cleaning anthropometric \(height and weight\) data from electronic health record systems.](#)

* Under the ACA Grade B recommendation means that insurers must cover screening and treatment in intensive interventions as a preventive service.

CORD Portfolio

Team-Based Care: RDs, PCPs, CHWs

Policy Gaps

Sentinel state policy reviews show scattered and patchwork reimbursement

CMS State Plan Amendment - MO

1115 Waiver Options

Childhood Obesity > Vol. 17, No. S1 > Editorials

Full Access

Setting the Stage for Reimbursable Pediatric Healthy Weight Programs

Heidi M. Blanck, Karen Hacker, and Ruth Petersen

Published Online: 24 Sep 2021 | <https://doi.org/10.1089/chi.2021.29012>

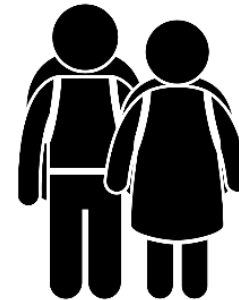
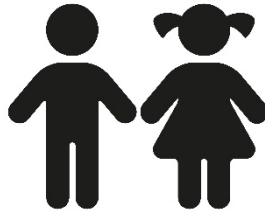
PDF/EPUB

Tools



Public Health Approaches to Supporting Nutrition

CDC & partners work at multiple levels to provide data & guidance to help create healthier communities



Breastfeeding

**Early Child
Nutrition**

**Early Care and Education
Youth Programs
Farm to Education**

Family Healthy Weight Programs

**Food Service Guidelines
Nutrition Standards in Charitable
Food Systems**

Community Food & PA

Food Policy Councils, Equity Task Forces, Community Advisory Boards

Hblanck@cdc.gov



Centers for Disease Control and Prevention

National Center for Chronic Disease Prevention and Health Promotion

Division of Nutrition, Physical Activity, and Obesity (DNPAO)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.





Healthy students are better learners.

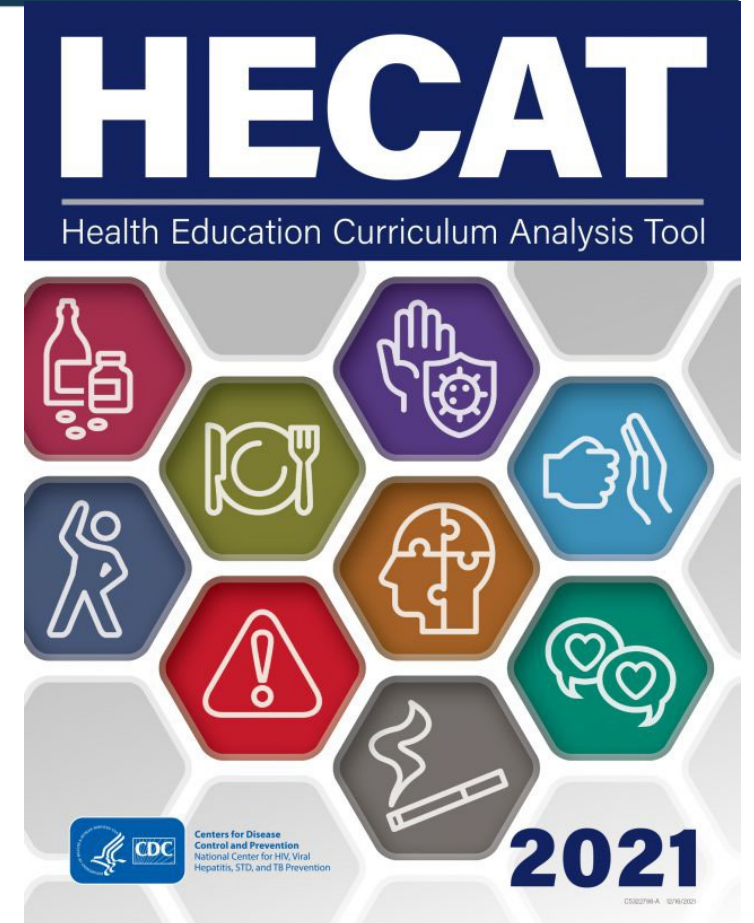
<https://www.cdc.gov/healthyschools/wsc/index.htm>

Health Education Curriculum Analysis Tool (HECAT)

Updated modules include:

- Food & Nutrition
- Physical Activity
- Mental and Emotional Health

<https://www.cdc.gov/healthyyouth/HECAT/index.htm>



Synthesis: School Health Guidelines

Centers for Disease Control and Prevention
MMWR
Recommendations and Reports / Vol. 60 / No. 5

Morbidity and Mortality Weekly Report
September 16, 2011

School Health Guidelines to Promote Healthy Eating and Physical Activity



U.S. Department of Health and Human Services
Centers for Disease Control and Prevention

<https://www.cdc.gov/healthyschools/npao/strategies.htm>

Tips for Teachers

Promoting Healthy Eating & Physical Activity in the Classroom

ALLOW ACCESS TO DRINKING WATER

- Allow students to visit the water fountain throughout the school day and to carry water bottles in class.
- Send a note to parents that students will be allowed to bring water bottles to your class, though not mandatory. If bottles are filled at home, ask parents to use only plain water.
- Inform school maintenance staff if water fountains are not clean or are not functioning properly.

Access to drinking water throughout the day gives students a healthy alternative to sugar-sweetened beverages.¹ Staying hydrated may also improve student cognitive function.²

USE STUDENT REWARDS THAT SUPPORT HEALTH

- Do not use food or beverages to reward student achievement or good behavior.
 - Avoid giving students candy or food coupons.
- Use nonfood items, activities and opportunities for physical activity to recognize students for their achievements or good behavior.
 - Offer stickers, books, extra time for recess, or walks with the principal or teacher.
- Do not withhold food, beverages, or physical activity time to discipline for academic performance or poor classroom behavior.

Children are at risk of associating food with emotions and feelings of accomplishment when food is used in the classroom as a reward. This reinforces the practice of eating outside of meal or snack times and encourages students to eat treats even when they are not hungry. This practice may create lifetime habits of rewarding or comforting oneself with unhealthy eating.

¹U.S. Department of Health and Human Services, U.S. Department of Agriculture. *Guidelines for School Lunches, Snacks, and Beverages*. Washington, DC: U.S. Government Printing Office; 2010.

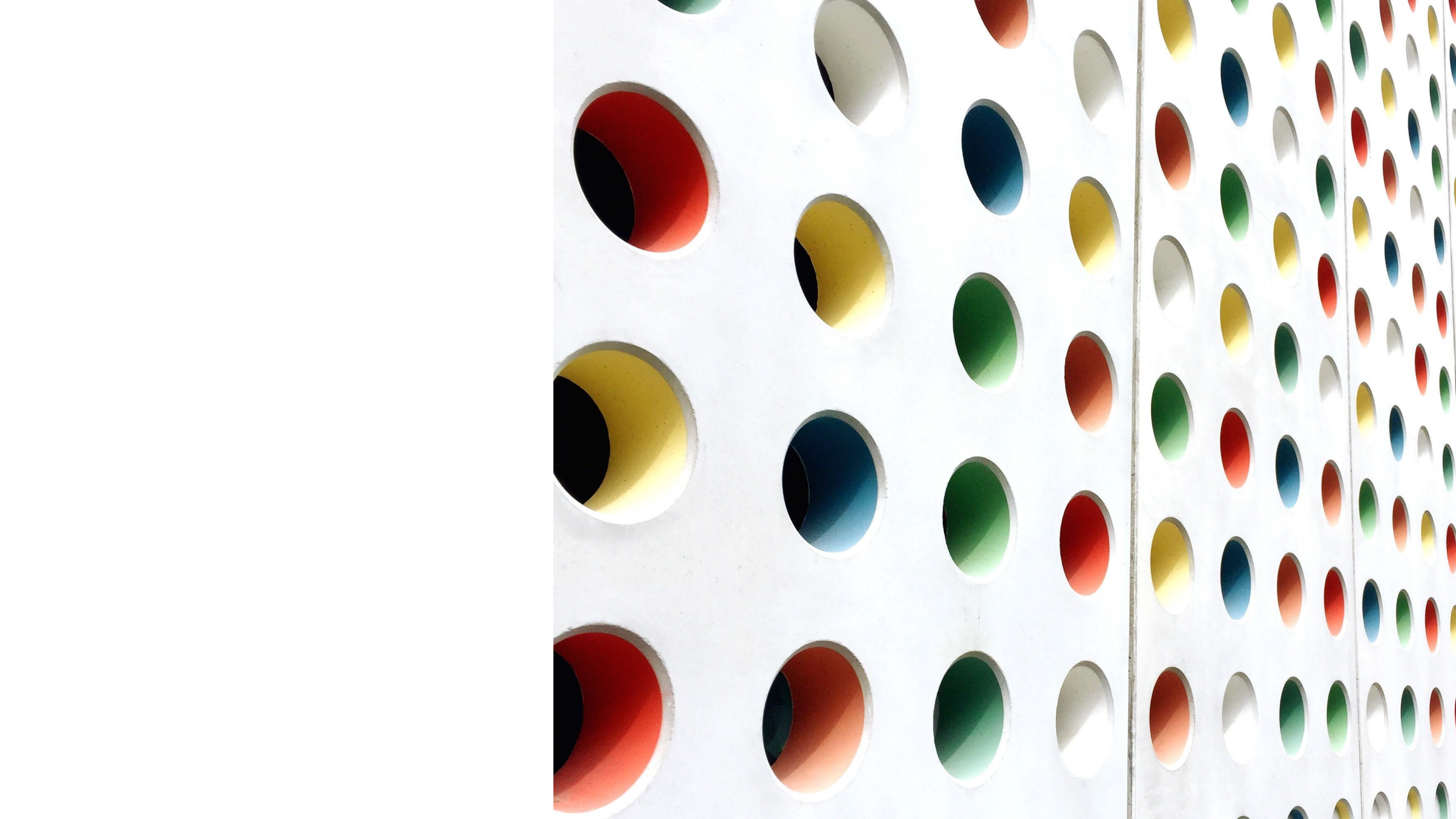
²Centers for Disease Control and Prevention. *Water Access in Schools*. <http://www.cdc.gov/healthyschools/npao/strategies.htm>. Accessed November 21, 2010.

National Center for Chronic Disease Prevention and Health Promotion
Division of Population Sciences

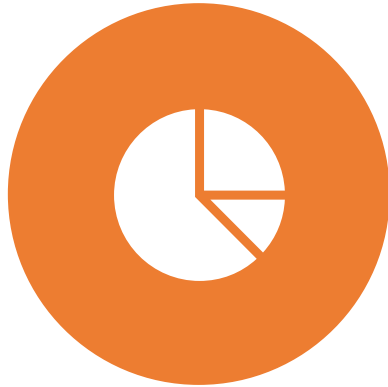
<https://www.cdc.gov/healthyschools/npao/pdf/tips-for-teachers.pdf>

Science Impact Framework





Objectives



SCIENCE IMPACT
FRAMEWORK OVERVIEW



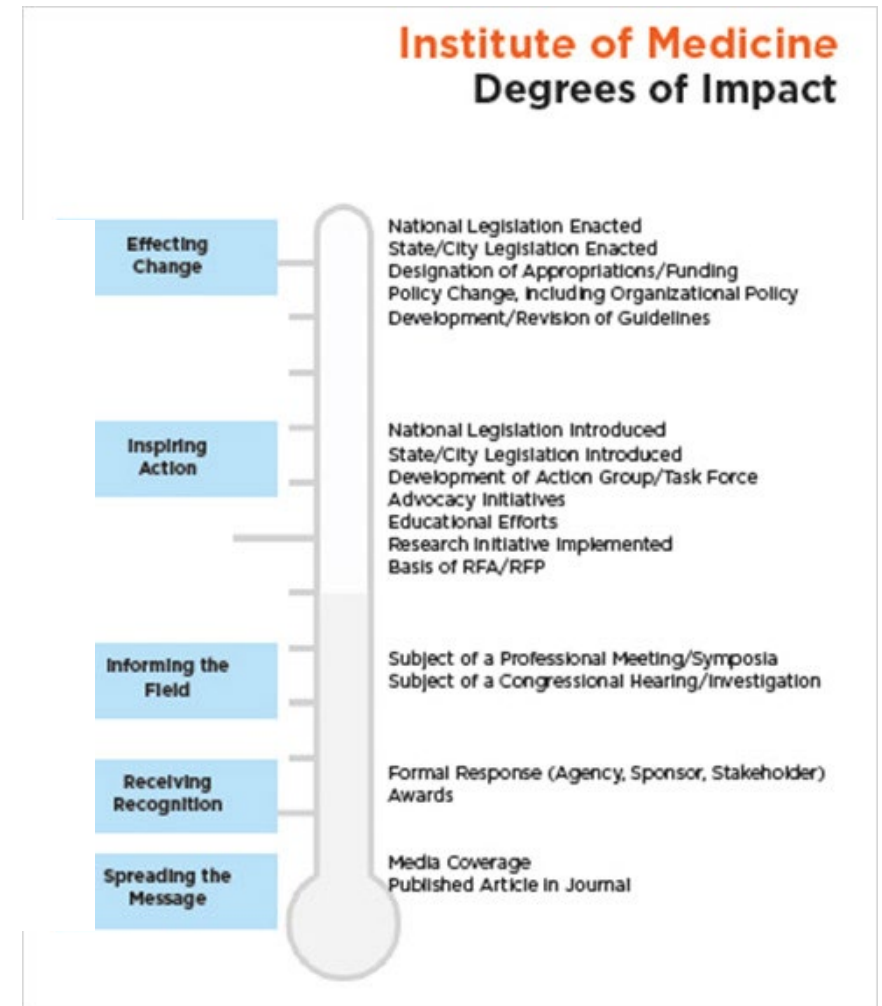
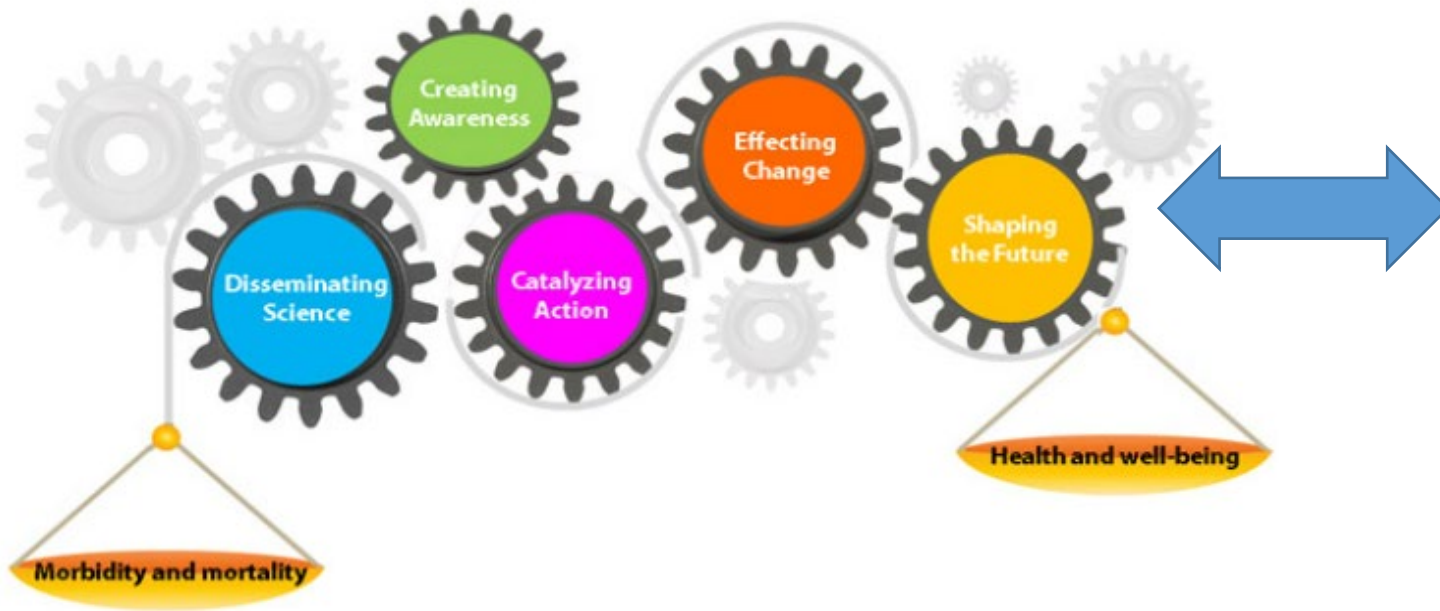
EXAMPLES



NOPREN APPLICATION

What is the Science Impact Framework?

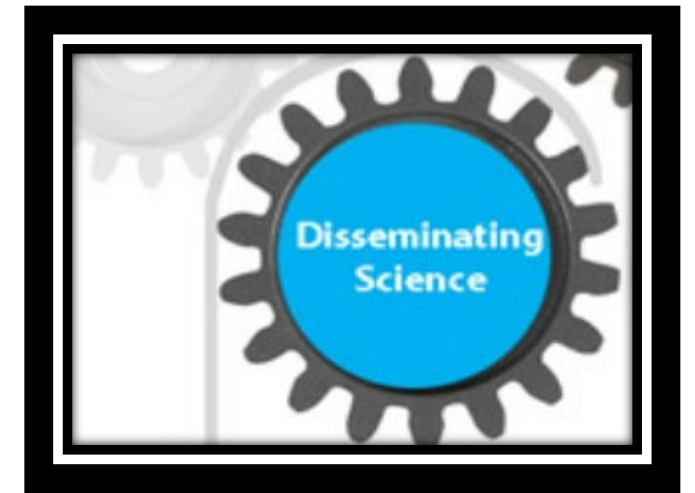
Modeled after IOM's "Degrees of Impact"



5 DOMAINS OF INFLUENCE

KEY INDICATORS

- Scientific publication (open access journal)
- Trade publications
- Professional meetings/conferences
- General communication (social media, web, print)
- Presentations
- Training, coursework

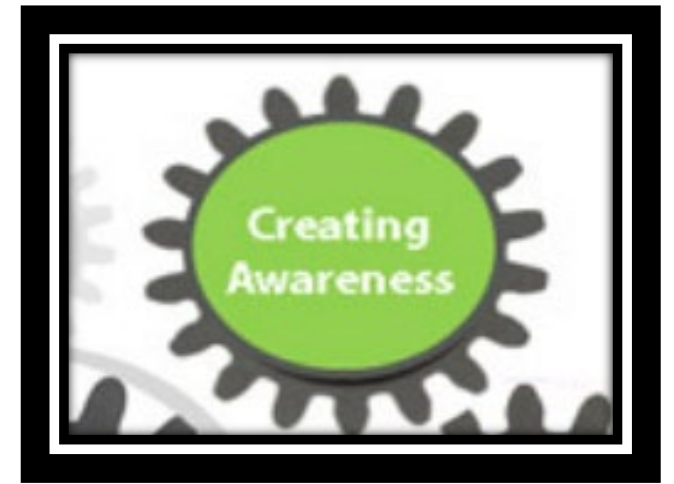


Disseminating science may include publication of findings in peer review journals or other venues, presentation at conferences, or through other media channels

5 DOMAINS OF INFLUENCE

KEY INDICATORS

- Continuing education (CME, CEU) Awards
- Stakeholder resources, curriculum, training
- Feedback (survey, focus groups, anecdote)
- Information sharing, communications among professional societies
- Electronic communications (information shared on listservs, social media, news coverage)



May include awards, receiving recognition, general awareness, or acceptance of a concept or findings by scientific community or policy makers, or generating new discussions

5 DOMAINS OF INFLUENCE



KEY INDICATORS

- Technology creation
- New funding (pilots/research)
- Advocacy groups/NGOs
- Congressional hearings
- Partnerships and collaborations
- Research and development
- Office practice/point of care change

Catalyzing action may include partnerships and collaborations, technology creation, congressional hearings or bills, or introduction in practice


A Safety Net Unraveling: Feeding Young Children During COVID-19

Katherine W Bauer¹, Jamie F Chriqui¹, Tatiana Andreyeva¹, Erica L Kenney¹, Virginia C Stage¹, Dipti Dev¹, Laura Lessard¹, Caree J Cotwright¹, Alison Tovar¹

Implementing and Evaluating Nutrition Policies and Standards in Food Pantries

Published: [21 September 2020](#)

Addressing Food Insecurity through a Health Equity Lens: a Case Study of Large Urban School Districts during the COVID-19 Pandemic

[Gabriella M. McLoughlin](#) , [Julia A. McCarthy](#), [Jared T. McGuirt](#), [Chelsea R. Singleton](#), [Caroline G. Dunn](#) & [Preeti Gadhoke](#)

[Journal of Urban Health](#) **97**, 759–775 (2020) | [Cite this article](#)

13k Accesses | **19** Citations | **42** Altmetric | [Metrics](#)



Retired admirals and generals strengthening national security by ensuring kids stay in school, stay fit, and stay out of trouble

5 DOMAINS OF INFLUENCE



KEY INDICATORS

- Legal/policy changes
- Accreditation
- Cultural/social change
- Behavioral change
- Economic change
- CMS
- reimbursement
- Other payer actions
- Change instilled
- (New) formal guidelines and recommendations
- Hospital standards

- *Effecting change may include building public health capacity, legal/policy change, cultural/social/behavioral change, or economic change*

5 DOMAINS OF INFLUENCE

KEY LONG TERM INDICATORS

- Spreading and scaling of policies (more states, more localities, state → federal)
- Implementation of public health programs/initiatives
- Health outcomes
- Prevalence and incidence
- Morbidity and mortality (e.g., frequency of outbreaks, trends)
- Quality of life improvements
- Reductions in economic burden



- *Shaping the future may include new hypothesis or strategies, implementation of new programs/initiatives, or quality improvement*

Asking impactful questions



Most Influential Paper, 2019

Tobacco Product Use Among Middle and High School Students — United States, 2011–2017

“Electronic cigarettes were the most commonly used tobacco product among high school (11.7%) and middle school students (3.3%) in 2017.”



Most Influential Paper, 2020

Racial and ethnic estimates of Alzheimer's disease and related dementias in the United States (2015–2060) in adults aged ≥ 65 years

“Alzheimer's disease and related dementias burden will double to 3.3% by 2060 when 13.9 million Americans are projected to have the disease.”



Asking Impactful Questions: Considerations

- ✓ **Fill an important gap identified by decision makers?**
- ✓ **Address NOPREN and field priorities?**
- ✓ **Clear messages of action(s)?**
- ✓ **Design with health equity, equity?**
- ✓ **Consider other benefits/consequences (e.g., business, climate)?**
- ✓ **Main dissemination audience identified?**
- ✓ **Relevant journals, modes for main audience?**
- ✓ **Other product needs for primary or secondary audiences?**

DISCUSSION QUESTIONS

CAN WE BE EVEN MORE INTENTIONAL ABOUT STRATEGIC RESEARCH, EVALUATION, IMPLEMENTATION SCIENCE THAT WILL CATALYZE ACTION, EFFECT CHANGE, & SHAPE THE FUTURE?

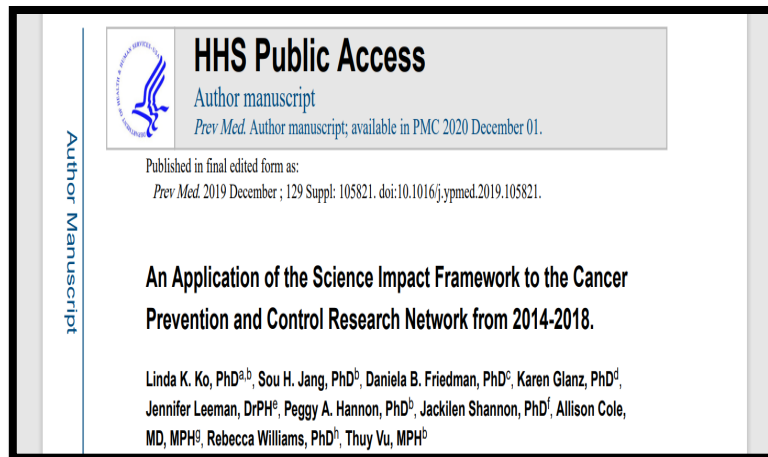
WHERE DO WE NEED INTENTIONAL TIME WITH AFFECTED CITIZENS, ADVOCATES, PRACTITIONERS, AND/OR TRUSTED MESSENGERS TO ASSURE RESEARCH ADDRESSES LIVED EXPERIENCE?

HOW DO WE DISSEMINATE THE FINDINGS SO THAT THEY CAN BE USED TO EDUCATE & INFLUENCE:

- **NUTRITION/FOOD SYSTEM POLICY – FEDERAL, STATE, TRIBAL, TERRITORIAL, LOCAL**
- **PRACTICE, PUBLIC HEALTH PROGRAMS**
- **SOCIAL POLICY AS NUTRITION POLICY**

SUPPORTS NEEDED BY NOPREN MEMBERS & WORKGROUPS?

CDC CAN ALSO BENEFIT FROM ASKING FOR INFORMATION ON YOUR WORK IN A SYSTEMATIC WAY SUCH AS THESE SIF DOMAINS



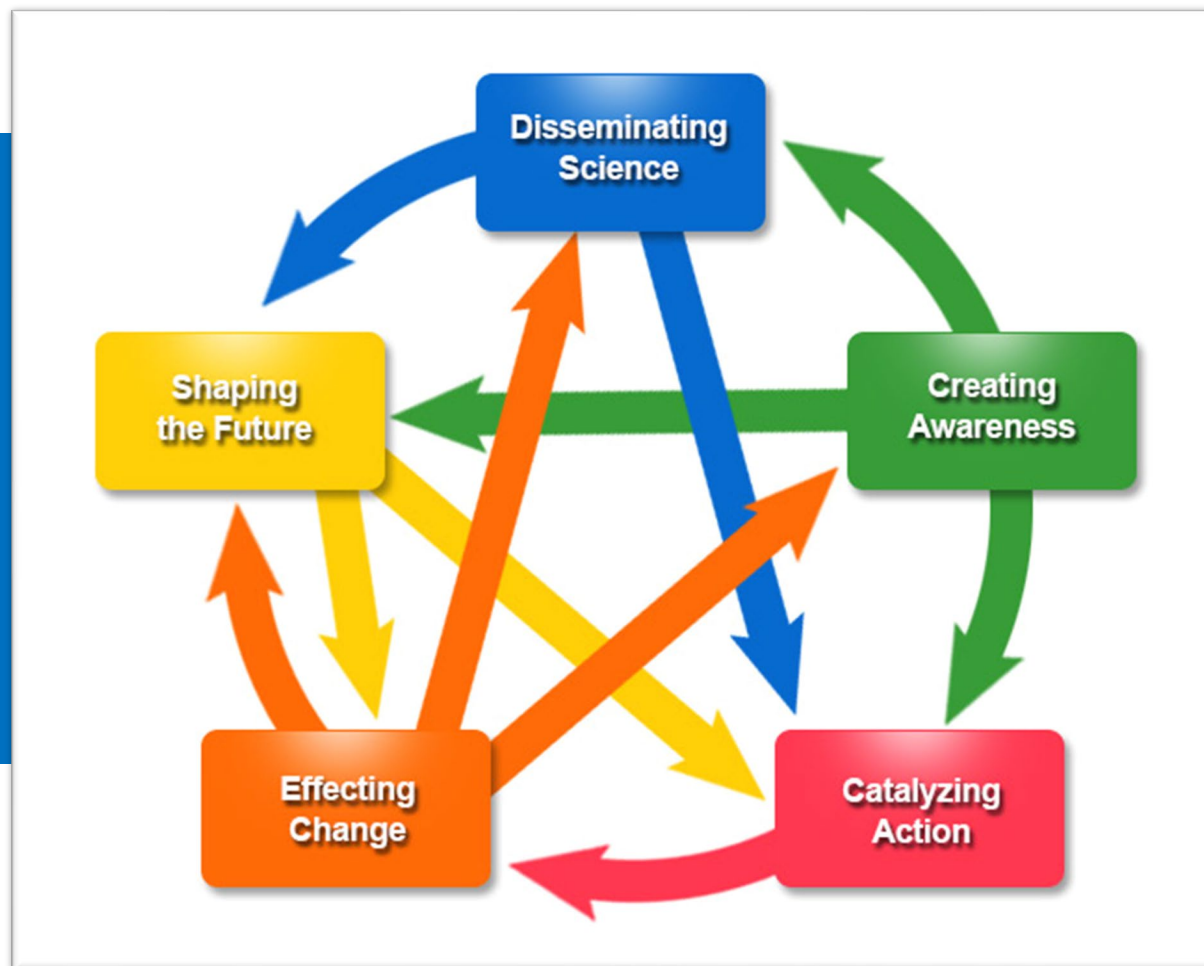
[An application of the Science Impact Framework to the Cancer Prevention and Control Research Network from 2014-2018 - ScienceDirect](#)

Science Impact Framework: Discussion



Questions? Reactions?

Work Group Updates





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Nutrition & Obesity

POLICY RESEARCH & EVALUATION NETWORK

COVID-19 Food & Nutrition

Disseminating Science

Scientific publications

- From 1st year of COVID-19 Food and Nutrition Work Group and sub work groups
- Forth coming scoping review papers

General communication (social media, web, print)

- Friday Digest – “HER NOPREN COVID-19 Weekly Digest” sent out by HER, Lindsey Miller

Presentations

- Monthly meetings

Creating Awareness

Information sharing, communications among professional societies

- Monthly meetings that include presentations, policy updates, and partner updates
- Recently relaunched qualitative sub work group led by Drs. Hannah Lane and Yuka Asada

Electronic communications (information shared on listservs, social media, news coverage)

- Friday Digest – “HER NOPREN COVID-19 Weekly Digest” sent out by Lindsey Miller



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Drinking Water

Disseminating Science

- **One-page infographic:** “Turn on the Tap! School Drinking Water Access During COVID-19 Pandemic and Beyond”
- **Research brief:** “The Impact of the COVID-19 Pandemic and Mandated Lockdowns on Drinking Behaviors”.
- **Monthly webinars:**
 - 09/22/21 – “Redefining Drinking Water Security in the US”, Wendy Jepson, PhD
 - 10/27/21 – “A Water Filter Plus Theory-Based Intervention Leads to Reduced Consumption of Sugary Drinks and Increased Intake of Filtered Tap Water among Latino infants and toddlers: Results From Water Up! @ Home Intervention”, Uriyoán Colón-Ramos, Sc.D., M.P.A.
 - 01/26/22 – “Reducing lead exposure in school water: Evidence from remediation efforts in New York City public schools”, Scott Latham, PhD
 - 02/23/22 – “Identifying schools at high-risk for elevated lead in drinking water using only publicly available data”, Gabriel Pablo Lobo, PhD
 - 03/23/22 – “Factors related to water filter use for drinking tap water at home and its association with consuming plain water and sugar-sweetened beverages among U.S. adults”, Sohyun Park, PhD, MS
 - 04/27/22 – “Quantifying water access and use for individuals and households: insights into nutrition, disease, and mental health in North America and beyond”, Sera Young, PhD



Shaping the Future

Water Measures Project:

- Purpose: This review of reviews aims to collect, synthesize and characterize the types of measurement tools used to assess water access and intake for children across multiple settings.
- Goal: To date, we have reviewed 30 systematic reviews to identify measures containing drinking-water related outcomes in 150 studies. We will share results through a peer-reviewed publication and an annotated list of measures. The study findings will help future researchers identify appropriate measurement tools for youth when conducting water-related research and highlight opportunities for the development of new and/or improved measurement tools.

COVID-19 Response Fund Project:

- Purpose: The purpose of this paper is to review the water security implications of federal policies and programs providing assistance to support drinking water security initiated in response to the COVID-19 pandemic in the United States.
- Goal: We aim to identify key gaps as well as policy and practical implications related to the federal approach to address drinking water equity issues.

Upcoming Events & Contact Information

Upcoming Events:

'I know it's just pouring it from the tap, but it's not easy': Motivational processes that underlie water drinking

Amy Rodger, PhD

Wednesday, May 25, 2022, at 12:30 PM EST

Understanding Biopsychosocial Health Outcomes of Syndemic Water and Food Insecurity: Applications for Global Health

Cassandra Workman, PhD

Wednesday, June 22, 2022, at 12:30 PM EST

Contact Information:

Angie Cradock, PhD

Co-Chair

acradock@hsph.harvard.edu

Sohyun Park, PhD

Co-Chair

spark3@cdc.gov

Abigail Colburn, PhD

Fellow

atcolbur@asu.edu



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Early Childhood

Early Childhood Working Group Updates

Alison Tovar

Kate Bauer

Daniel Zaltz

Chelsea Kracht

Disseminating Science

Monthly Webinars - all of our monthly webinars have attendance between 20 and 40 participants, we purposefully focus on diverse content, speakers from different domains and disciplines, and include sessions on methodology.

ECE workforce wellness sub-group: poster symposium: "Understanding and improving the well-being of the early childhood workforce: innovative research and practice" National Research Conference on Early Childhood in June 2022. Includes seven posters from researchers in the group and the discussant is a group member and advocate from Child Care Aware of America.

Workforce wellbeing session included in the 2022 Child Care Aware of America Annual Symposium, featuring group members Laura Lessard (presenting the work of four other group members) and Nikki Garro.

Tovar A, Miller ME, Stage VC, Hoffman JA, Guseman EH, Sisson S, Shefet D, Benjamin-Neelon SE, Swindle T, Hasnin S, Beltran M. BMI Data Collection and Communication Practices in a Multistate Sample of Head Start Programs. Child Obes. 2021

Dev D, Hillburn J, Luxa J, Lessard L, Bauer K, Cotwright C, Tovar A. Utility of the Federal Child Nutrition COVID-19 Waivers for Early Care and Education Settings: A Qualitative Study of State Directors of the Child and Adult Care Food Program. Revise and Resubmit JNEB.

Dev D, Hillburn J, Bauer K, Lessard L, Cotwright C, Tovar A. Illuminating Unique Partnerships with CACFP for Feeding Children in ECE During COVID-19. In preparation.

Dooyema C, Hall K, Tovar A, Bauer K, Warnock A, Blanck H. The First 1,000 Days: A Critical Window of Opportunity for Maternal and Child Nutrition and Health in the United States. Under Review AJPH

COVID Challenges & Opportunities in the CACFP. Presentation to National CACFP Sponsor Association.

Kracht C, Tovar A, Gans K, Lee, Ash, Francis L. The Promise of Digital Health in the Early Care and Education Setting in Light of COVID-19: A Commentary. In preparation

Catalyzing Action

- ✓ Funded Grants
 - W. K. Kellogg Foundation (PI- Bauer)
 - Farm Bureau (PI-Bauer)
 - HER Commissioned Research Project (PI-Tovar)
 - NOPREN Digital ECE (PI-Francis)
 - HER Commissioned Review (PI-Bauer, Tovar)

- ✓ Workforce Wellness subgroup: Five of the six awardees from a recent ACF grant call for proposals on well-being for the Head Start workforce were members of the working group. Several mentioned that their membership in the group strengthened their applications.

- ✓ Bringing in federal and non-profit partnerships across different subgroups

- ✓ Continuing to leverage additional research funds

Catalyzing Action: From Workgroup Members

This working group has been a tremendous advantage for being able to maintain professional networks and to help mentees begin to establish broader networks. I am grateful for your leadership.

The learnings from the NOPREN ECWG have informed the Healthy Food for Denver Kids Commission's work. The latest RFP was developed using learnings from the group as well as available resources for grantees. One of the recipients of this grant is Jini Puma, a previous presenter. Other grantee recipients include organizations that are increasing access to CACFP, farm to preschool and WIC CSA boxes. Thank you for your work-

I am transitioning my international research in early childhood nutrition to US-based research and NOPREN has been amazing for me to start to know investigators interested in this topic. Also, in identifying gaps in the knowledge, and a platform to eventually develop new collaborations in the near future and identify mentors (I am an early career researcher). Thank you so much!!!

It has provided an opportunity to share & get feedback on my team's work, as well as many opportunities to learn from and network with leaders in the early childhood field...Collaborative partnerships for engaging in projects. Learning about cutting edge projects that may help to guide and inform projects. This group has been so helpful! I deeply appreciate involvement. The meetings have been excellent and they are giving me the practical backdrop I need to frame questions....

I learn about new resources. Most recently I learned about the Roadmap to SNAP-Ed in ECE settings. I'm currently using the roadmap to design a pilot project for Head Start and for a grant application.

Shaping the Future

- Head Start Project leading to quality improvement & having discussions on best practice recommendations related to BMI communication
- Food security projects in Michigan: focus on elevating lived expertise
- Disseminating research on CACFP and feeding young children during the pandemic
- Continued WG focus on increasing methodological expertise/rigor and effective communication strategies.



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Food Security

Disseminating Science

Bi-Monthly Webinar Topics

Toolkit for Pediatricians to Address Food Insecurity	Kimberly Montez, Kofi Essel and Alex Ashbrook
P-EBT	Lina Walkinshaw
Adolescent Food Security	Kat Krupsky and Kaitlyn Harper
GusNIP Theory of Change	Jim Krieger and Kirsten Leng
Food is Medicine, Medically Tailored Meal Policy Recommendations	Jean Terranova and Alissa Wassung
Upcoming (May 2022): SNAP timing, high-stakes exam performance, and college attendance	Jon Isaac Smith

Adolescent Food Security Subgroup Papers (led by early career researchers):

- Brown A, Seligman H, Sliwa S, Barnidge E, Krupsky K, Liese. Food Insecurity and Suicidal Behaviors among Adolescents. Journal of School Health, in press.
- Krupsky K, Sliwa S, Seligman H, Brown A, Demissie Z, Barnidge E. Adolescent health risk behaviors, adverse experiences, and food insecurity: Analysis of 10 states from the 2019 Youth Risk Behavior Surveys. Under review.

Shaping the Future

NOPREN Funded Work Group Project: From Farmers to Families, F-Cube Study

- Led by early career research, Owusua Yamoah and Darcy Freedman (Case Western Reserve University)
- Exploring role and benefit of the Farmers to Families Food Box program through in-depth interviews with box distributors, contractors, and participants
- Submitted abstract to APHA describing the successes and challenges of the program

Catalyzing Action

YRBS Food Security Measure Subgroup

- CDC identified the opportunity to add a single-item food security measure to 2025 national Youth Risk Behavior Survey
- Subgroup is conducting psychometric testing to develop a 1-item screening tool
- Plan to write up findings in peer-reviewed manuscript and submit recommendations to YRBS



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Food Service Guidelines

Disseminating Science

FOOD SERVICE GUIDELINES WORKGROUP

Bimonthly Webinar Presentations

- “Implementation of a Healthy Food and Beverage Policy at a Public University: A Case Study”
- “Sustainability and Ethical Practices in Food Service: A Panel Discussion”
- “Nutrition in Midwestern State Department of Corrections Prisons: A Comparison of Nutritional Offerings to Commonly Utilized Nutritional Standards”
- etc.

Developed Resources for Implementation and Evaluation

- Evaluating Food Service Guidelines in Cafeteria Settings
- Implementing and Evaluating Nutrition Policies and Standards in Food Pantries

Catalyzing Action

FOOD SERVICE GUIDELINES WORKGROUP

New Funding and Collaborations

- NOPREN COVID-19 Response Fund

Collaboration with Dr. Jillcott Pitts, Eastern Washington University.

“Barriers and facilitators for hospital food service departments to implement practices that support an environmentally sustainable food system.”

- Center for Science in the Public Interest (CSPI)

Funding internship and librarian collaboration at Washington State University.

“Influence and implementation of food service guidelines interventions: a scoping review.”



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POLICY RESEARCH & EVALUATION NETWORK

Food Policy Councils

Disseminating Science

- Presentations

- Recorded “member spotlight” presentations where WG members shared 10-minute presentations of their FPC-related work. Recordings will be posted on our WG website

- Scientific publications

- Reflective essay on the state of indicators available to evaluate and monitor changes in local food systems
 - In progress, will be submitted to Journal of Agriculture, Food Systems, and Community Development

- Other scientific output (CDC Public Health Grand Rounds, Vital Signs, Science Clips)

- Food system indicators database was published on NOPREN and Food Policy Network website
 - How-to-use document
 - Step-by-step guide video

- Professional meetings/conferences

- Abstract on findings on “Characteristic among FPCs that use a racial equity framework” submitted for presentation at APHA 2022 annual conference

Creating Awareness

Information sharing, communications among professional societies

The preliminary findings from our work on FPC racial equity work (FPN survey) and food system indicators were shared at the Healthy Hartford Hub meetings recently

Catalyzing Action

Partnerships and collaborations

We have built a partnership with Prince George Food Equity Council to evaluate racial equity work in the county (case study). We will look at racial equity promotion among Urban Ag farmers and food truck operators in Prince George County

Shaping the Future

Research leading to health outcomes, quality of life improvements, or reductions in economic burden

- To start working on a dataset on FPC's COVID food security response by density within states in Spring 2022
- Future collaboration with other work group and entities on:
 - food insecurity
 - utilization of the newly developed food system indicators database.
 - racial equity work in different settings



NOPREN

Nutrition & Obesity

POLICY RESEARCH & EVALUATION NETWORK

Healthy Food Retail

Disseminating Science

Healthy Community Stores Case Study Project

- 1 paper published: [doi:10.3390/ijerph19020690](https://doi.org/10.3390/ijerph19020690)
- 4 papers in progress or under review
 - Will be submitted to the IJERPH Special Issue “**Healthy Food Businesses: Models for Improving Diet and Healthy Food Access in Under-Resourced Communities**“ (due 5/31)
- Preliminary results were presented at Healthy Food Retail Work Group Meeting in February (recording available on the NOPREN website)
- Seven city collaboration between many Work Group members, including: Melissa Laska, Ravneet Kaur, Rachael Dombrowski, Angela Odoms-Young, Ashley Hickson, Lucia Leone, Joel Gittelsohn, Christina Kasprzak, Alex Hill, Megan Winkler, Emma Lewis, Bree Bode, Sara John, Samantha Sundermeir, Uriyoan Colon-Ramos, Lillian Witting, Jake Munch, & Julia DeAngelo

Catalyzing Action

NOPREN-funded Early Career Scholars Project

- Received funding from NOPREN for 2 student projects (\$4000/each)
 - Collaboration with WIC Learning Collaborative
 - Strong student interest (received **15 applications**)
- Funded one Healthy Food Retail project & one WIC LC project (+1 additional HFR project!):
 - Angélica Valdés Valderrama (Tufts): Understanding the Determinants of Online Food Retail at Different Levels of Incomes and Socioeconomic Status
 - Cristina Gago (Harvard): Impact of the temporary CVV/B increases on F&V purchases, consumption, and access among WIC caregivers in Mass.
 - Emma Lewis (JHSPH): Building understanding of consumer engagement and equity for an mHealth intervention to improve food access within a COVID-19 stricken urban food system
- Plan to have a student research showcase in late summer/early fall to disseminate results



NOPREN

Nutrition & Obesity

POLICY RESEARCH & EVALUATION NETWORK

WIC Research Learning Collaborative

Effecting Change

NOPREN- & HER-funded Early Career Scholars Project

- Received funding from NOPREN for 2 student projects (\$4000/each)
 - Collaboration with Healthy Food Retail Work Group
 - Strong student interest (received **15 applications**)
- Funded one WIC LC & HFR WG project
 - Cristina Gago (Harvard): Impact of the temporary CVV/B increases on F&V purchases, consumption, and access among WIC caregivers in Mass.
- HER provided for funding for 2 additional WIC LC projects
 - McKenna Halverson (UDel): WIC participants' perceptions of the CVB increase during the COVID-19 pandemic
 - Marisa Tsai (Berkeley): Racial and ethnic differences in the effects of the increase in the WIC Cash Value Benefit for children during COVID-19
- Students presented their work in progress at our March meeting, “Nurturing the Next Generation of WIC Scholars”

Shaping the Future

Reviews of Digital Marketing and Implications for WIC online ordering

- Systematic review of the food marketing practices used in online grocery shopping platforms - led by Leslie Hodges
- Narrative review of the laws and regulations on consumer protections related to online grocery shopping – led by Harry Zhang
- **Amazing feedback and support from consultants and WIC LC members in developing the outlines and search protocols for these projects, including:**
 - Jeffrey Chester, Executive Director, Center for Digital Democracy
 - Christina Chauvenet, Ph.D., Senior Manager of Research and Program Innovation, NWA
 - Brian Dittmeier, Esq., Senior Director of Public Policy, NWA
 - Jennifer Harris, Ph.D., Senior Research Advisor, Marketing Initiative, UConn Rudd Center for Food Policy & Health
 - Emma Scott, Clinical Instructor, Food Law and Policy Clinic, CHLPI, Harvard Law School
 - Chuanyi Tang, Ph.D., Associate Professor of Marketing, Old Dominion University
- **Next steps: Conduct searches, data extraction, and write up**



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POLICY RESEARCH & EVALUATION NETWORK

School Wellness

Disseminating Science

2021-2022 Fellow Projects (in process)

- Marisa Tsai: **Implementation of recess in U.S. elementary schools by school characteristics**
- Deborah Olarte: **A systematic review of breakfast in the classroom initiatives**

2020-2021 Fellow Projects

- Ann Kuhn: **An Evaluation of Physical Education during the COVID-19 Pandemic**
 - Primary data collection, mixed methods, 2 papers in progress
 - Recently highlighted on the PAPREN emerging leaders showcase (presented findings)
- Amsie Hecht:
 - Cohen JFW, Hecht AA, Hager ER, Turner L, Burkholder K, Schwartz MB. **Strategies to Improve School Meal Consumption: A Systematic Review**. *Nutrients*. 2021 Oct 7;13(10):3520.
 - Hecht AA, Dunn CG, Kinsey EW, Read MA, Levi R, Richardson AS, Hager ER, Seligman HK. **Estimates of the Nutritional Impact of Non-Participation in the National School Lunch Program during COVID-19 School Closures**. *Nutrients*. 2022 Mar 26;14(7):1387.

Monthly Webinars have included published papers and/or research in progress

- Examples of recent webinar topics:
 - Juliana Cohen, Systematic review of factors to increase school meal consumption
 - Andrea Richardson (RAND), Has the Healthy and Hunger-Free Kids Act Improved Body Mass Trajectories of Children in Low-Income Families?

Creating Awareness

- ✓ Monthly Webinars included partner updates (CDC, Lunch Assist, etc.) and presentations on resources

Examples of recent and upcoming webinar topics:

- Jon Solomon - Aspen Institute Project Play initiative: Sport for All, Play for Life: A Playbook to Develop Every Student Through Sports
 - Shauvon Simmons Wright - Alliance for a Healthier Generation, Wellness Policy Builder
- ✓ Monthly e-mails to group with information on events, funding, publications, etc.

Shaping the Future

- ✓ Complete current fellow projects
- ✓ Recruit new fellows for 2022-2023
- ✓ Writing Retreat #2!
- ✓ Identifying strategies to engage broader membership. Ideas:
 - From WIC learning collaborative: member introductions
 - Breakout room discussions during webinars
 - Develop a symposium at a scientific meeting
 - Consider submitting an NIH conference grant
 - Possibly engage members on key topics (subcommittee, invited panel, etc.):
 - Re-engaging with schools
 - Post-COVID/recovery- lessons learning, impacts, etc.



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Nutrition & Obesity

POLICY RESEARCH & EVALUATION NETWORK

Rural Food Access

Disseminating Science

Food Procurement Patterns and Food Insecurity among Households in Appalachia Ohio

- Collaboration involving more than a dozen RFAWG members, students, and other researchers
- Hosted several RFAWG calls to receive feedback from work group members regarding project
- Manuscript in preparation describing changes in food procurement over the course of the COVID-19 pandemic and relationship between food procurement patterns and household food insecurity

Creating Awareness

- Maintained an active and growing RFAWG listserv:
 - Shared resources related to rural food access research, practice, and policy implications
 - Notified RFAWG members of relevant webinars, conferences, and opportunities for collaboration
- Monthly meetings/webinars focused on recent research related to rural food access:
 - Presentations from both RFAWG-affiliated and non-affiliated researchers
 - Opportunities to discuss research methods and hypotheses
 - Cross-promotion with other NOPREN work groups
- Annual survey of RFAWG members assessing interests and preferences for speaker and topics

Catalyzing Action

- Facilitated introductions of RFAWG members to researchers and institutes working on rural food access (e.g., NIFA Rural Development Centers)
- Received NOPREN funding for “*Food Procurement Patterns and Food Insecurity among Households in Appalachia Ohio*” (PI: Dr. Jennifer Garner, Ohio State University)
 - Intention to submit a proposal related to food access and food insecurity among rural households in Appalachia Ohio



Break!

Be back at 12:45pm PT/2:45pm ET



NOPREN

Nutrition & Obesity

POLICY RESEARCH & EVALUATION NETWORK

Reflecting Back: 2021-2022 State of the Network

2021 Network Priority Areas

Early Career
Professional
Development

State & Local
Practitioner
Engagement

Structural
Racism

Fostering
Collaboration

New Work
Group

Early Career Professional Development Opportunities: Summer Student Speaker Series



Session 1: US Food Systems Overview

Heidi Blanck, CDC DNPAO
Sheila Fleishschacker, USDA
Kirsten Arm, Healthy Eating Research



Session 2: Healthy Food Retail Overview

Diane Harris, CDC
Megan Lott, Healthy Eating Research



Session 3: School Wellness Policies Overview

Erin Hager, University of Maryland
Sarah Sliwa, CDC
Caitlin Merlo, CDC



Session 4: Early Childhood Policies Overview

Courtney Paolicelli, USDA FNS
Carrie Dooyema, CDC
Rafael Perez-Escamilla, Yale



Session 5: Nutrition Guidelines

Dianne Harris, CDC DNPAO
Amy Warnock, CDC DNPAO
Steve Onufrack, CDC DNPAO
Jessi Silverman, CSPI
Ronli Levi, UCSF



Session 6: Drinking Water Access and SSBs

Angie Cradock, Harvard SPH
Christina Hecht, UC NPI
Caitlin Merlo, CDC DNPAO
Sohyun Park, CDC DNPAO



Session 7: Food & Nutrition Security

Hilary Seligman, UCSF
Colby Duren, IFAI
Amy Yaroch, GSCN
Nathalie Celestin, CDC DNPAO



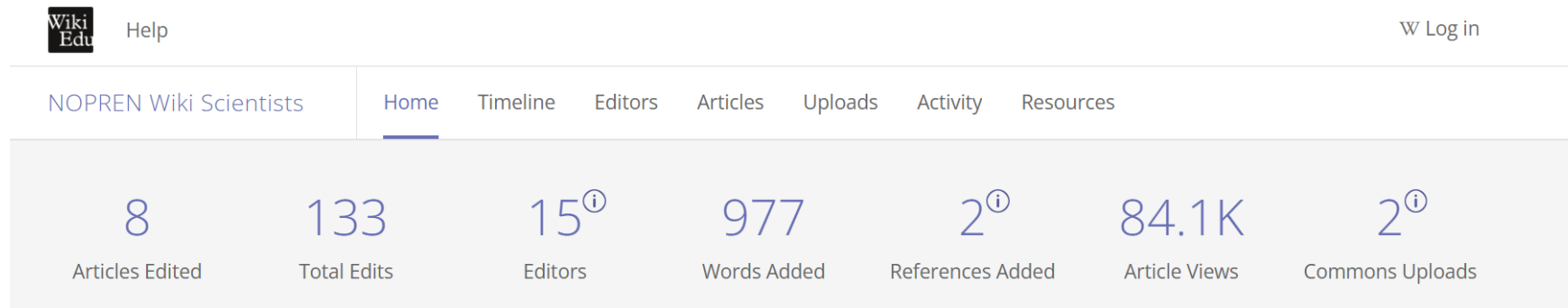
Session 8: Student Poster Presentations

Moderated by Alison Tovar, Brown University

Early Career Professional Development Opportunities: Wiki Ed Training Course



- **20 NOPREN members selected for 6-week course**
 - Mix of students, public health professionals, and early career researchers
- **Topics covered:**
 - Health effects of sodium
 - Gestational Weight gain
 - Breastfeeding
 - Charitable food system
 - Advertising to children



Early Career Professional Development Opportunities: Student Stipends

- Awarded \$500 stipends to 36 students engaged in nutrition policy research projects
 - Included undergraduates, master's degrees, doctoral and post-doctoral students
 - 26% first generation college student
- Topics covered:
 - Healthy food retail
 - Healthy beverage and SSB consumption
 - Food service guidelines
 - School responses to COVID-19
 - Federal policies (WIC, SNAP)
 - Effect of pandemic on ECE providers
 - Effect of COVID-19 on health/food security of urban and rural communities

Early Career Professional Development Opportunities: Work Group Fellows Program



Deb Olarte,
Merrimack College



Abigail Colburn,
Arizona State U



Abiodun Atoloye,
U Conn



Kyle Busse,
U North Carolina



Marisa Tsai,
U Calif Berkeley



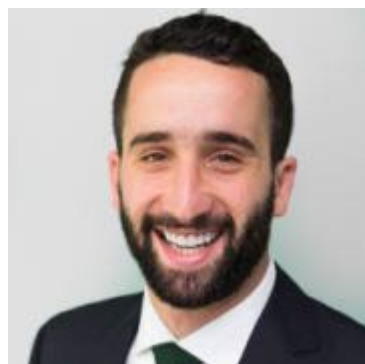
Jessica Soldavini,
U North Carolina



Bethany Williams,
Wash State U



Kaitlyn Harper,
Johns Hopkins U



Daniel Zaltz,
Johns Hopkins U



Caitlin Lowery,
U North Carolina



Chelsea Kracht
Pennington Biomed
Research Ctr (LSU)

Early Career Professional Development Opportunities: COVID-19 Response Funding Opportunity

Work Group	Project Title	Team Leads
COVID-19 Food & Nutrition	Scoping Review on Federal Nutrition Assistance Programs during the COVID-19 Pandemic and Disasters	Margaret Read, Lauren Clay, and Jessica Soldavini
Drinking Water	Implications of COVID-19 Related Water Security Policies and Programs	Angie Cradock, Abigail Colburn, and Sohyun Park
Early Childhood	Examining the Routine Use of Digital Technology in the ECE Setting Amid COVID-19: A Mixed-Methods Study	Lucine Francis, Chelsea Kracht, Alison Tovar, Kim Gans, Rebecca Lee, and Tayla von Ash
Food Policy Councils	Impact of Food Policy Councils on Racial Equity	Larissa Calancie and Kristen Cooksey Stowers
Food Security	From Farmers to Families (F-Cube): Addressing food insecurity during the COVID-19 pandemic	Owusua Yamoah and Darcy Freedman
Food Service Guidelines	Investigation of Barriers and Facilitators to Implementing Sustainable Practices in Healthcare Food Service Settings	Stephanie Jilcott Pitts, Bethany Williams, and Emma Sirois
Healthy Food Retail	Funded three student projects	Cristina Gago, Angelica Valdes, Emma Clare Lewis
Rural Food Access	Impact of the pandemic on food sourcing, food assistance utilization and food security status among Appalachian households	Jennifer Garner, Alice Ammerman, Lindsey Haynes-Maslow, Stephanie Jilcott-Pitts, Kyle Busse, and Qiang Wu
School Wellness	Free Schools for All: A Policy Study of Adoption in Maine and California	Amsie Hecht, Juliana Cohen, Lindsey Turner, Wendi Gosliner, Lorrene Ritchie, and Michele Polacsek

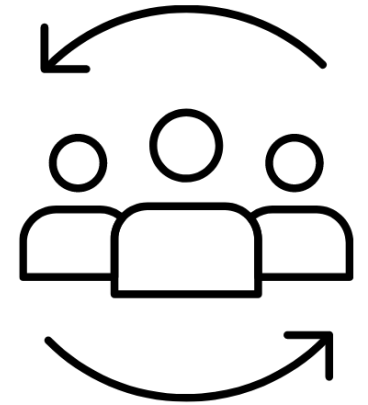
Early Career Professional Development Opportunities



Highlights from the WIC Research Learning Collaborative *Harry Zhang*

State and Local Practitioner Engagement

- Connection with Association of State Public Health Nutritionists (ASPHN)
- School Wellness and Food Services Guidelines Work Groups



State and Local Practitioner Engagement



**Highlights from the
Food Service Guidelines Work Group**
Steve Onufrak

State and Local Health Department/Practitioner Engagement

FOOD SERVICE GUIDELINES WORKGROUP

Diverse Leadership and Membership

- Workgroup Co-Chair Meghan Murphy, San Diego County.
- 40% membership comprised of state and local health department members.

Practitioner-Focused Resource Development and Communications

- Presentations from local health departments and CDC grantees.
- Discussion and resources focused on field work and implementation:
 - “Behavioral Design Toolkit for FSGs in Multiple Settings.”
 - “Evaluating the long-term impact of nutrition standards and other healthy food procurement practices in Los Angeles County.”
- Meetings and resources circulated with diverse membership.

Addressing Structural Racism

- **State-of-Science webinars**

 - Using Asset-Based Language and Centering Stakeholders

 - Data Reveals Indian Country Food Security Gaps and Opportunities

 - Exploring Racial Equity in Public Policy Messaging Guide

 - Increasing Access to Healthy Food in Navajo Nation

- **Work Group projects**

 - Drinking Water: water security and equity implications of federal policies

 - Food Policy Councils: Advancing racial equity through food systems

Addressing Structural and Systemic Racism



Highlights from the
Food Policy Councils Work Group
Kristen Cooksey Stowers

Fostering Collaboration

NOPREN Goal: identify areas of collaboration across WGs to work on cross-cutting, high priority policy research opportunities

Leadership Council

- Comprised of Coordinating Center, CDC, senior advisors, work group chairs and fellows
- Meets quarterly to share progress, emerging ideas, and areas of collaboration

Healthy Eating Research

PAPREN

Fostering Collaboration



Highlights from PAPREN
Jamie Chriqui, PAPREN Director

New Work Group



**childhood obesity health policy and
health services research work group**
CAPT Heidi Blanck

State and local healthy food policy

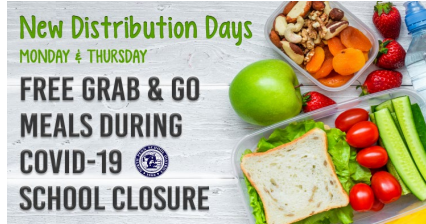
NOPREN State of the Network Annual Meeting 2022

JIM KRIEGER, MD, MPH

MAY 5, 2022



State and local healthy food policies



Availability

- Kids' meals
- School meals
- School Grab-n-Go meals & P-EBT
- Retail marketing
- Procurement & nutrition standards
- Early learning food
- Healthy Food Financing/Incentives
- Healthy corner stores
- Stocking requirements
- Water access
- Tax incentives for food donations
- Fast food zoning
- Mobile food vendors
- Portion Size



Acceptability/Appeal

- Warning labels
- Menu labels
- Marketing
- Countermarketing



Affordability

- Sweetened beverage tax
- Nutrition incentives/Produce Rx
- Food as medicine
- SNAP enhancements
- Minimum pricing



Food System

- Plant-based foods
- Food waste and rescue
- Food hubs
- Urban agriculture
- Local/regional food system policy
- Food Policy Councils
- Right to Food
- Farm to Table
- Land use and zoning
- Farmers markets

Sweetened Beverage Taxes

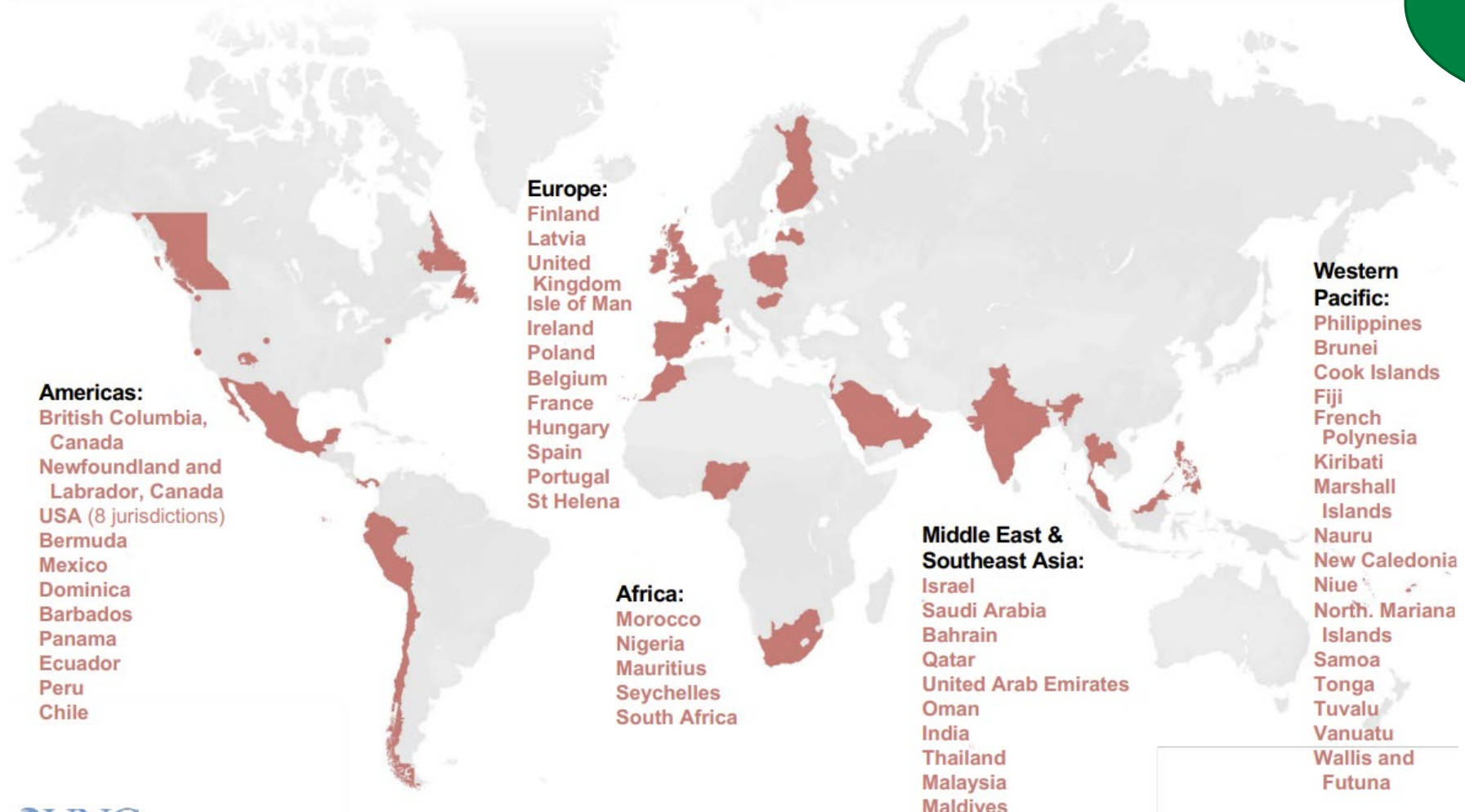


Research Questions

- Total diet quality
- Impacts of revenue use
- Equity in process and outcomes

Sugary drink taxes around the world

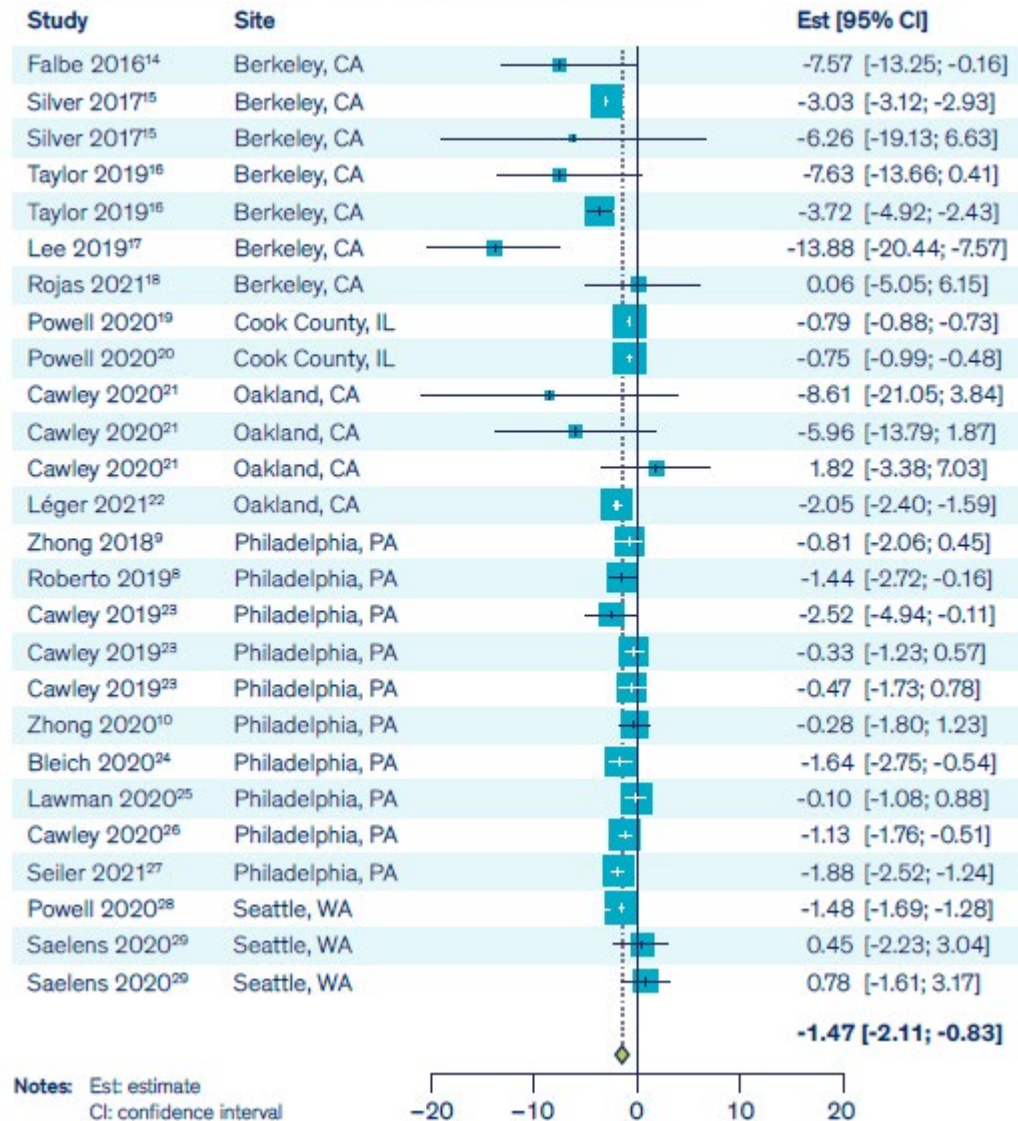
50+ and growing



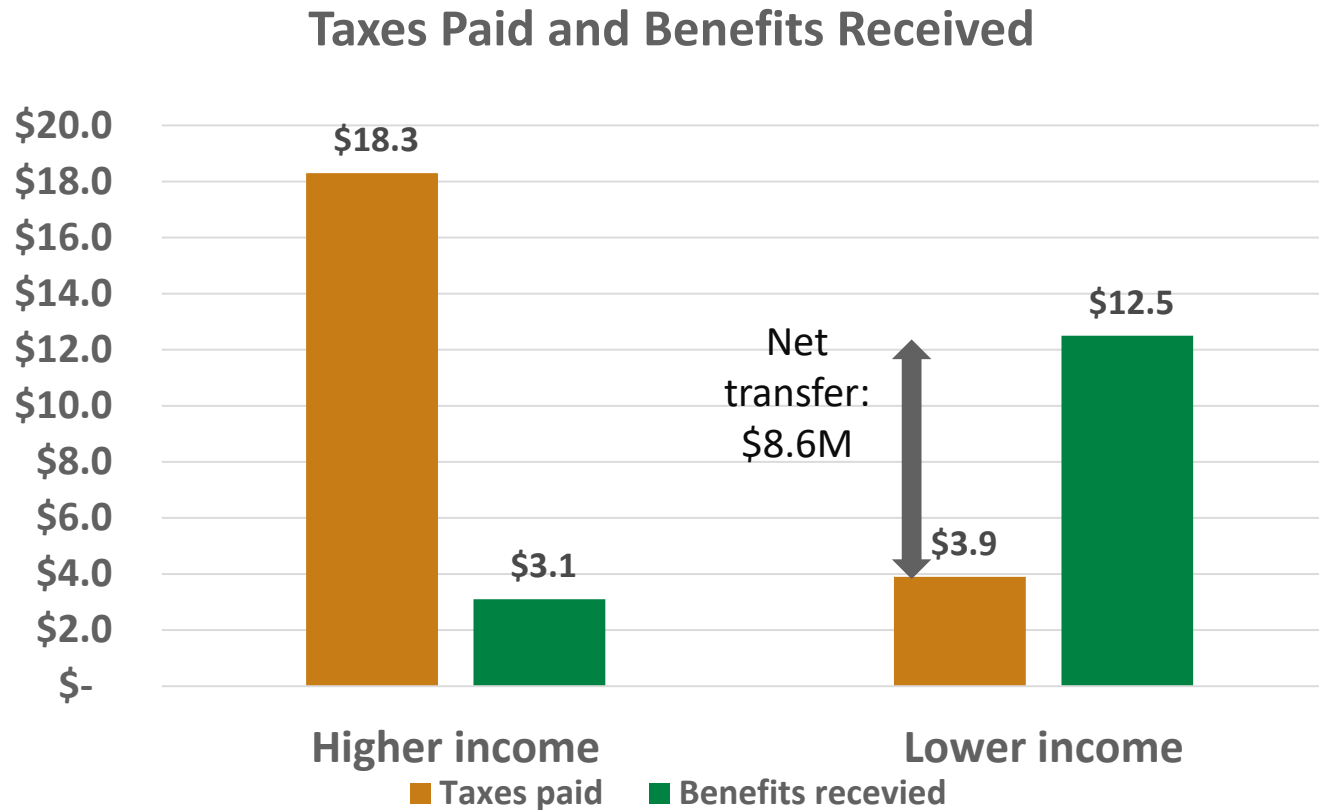
Taxes decrease demand

- Demand fell by 20%
- Price elasticity = -1.47

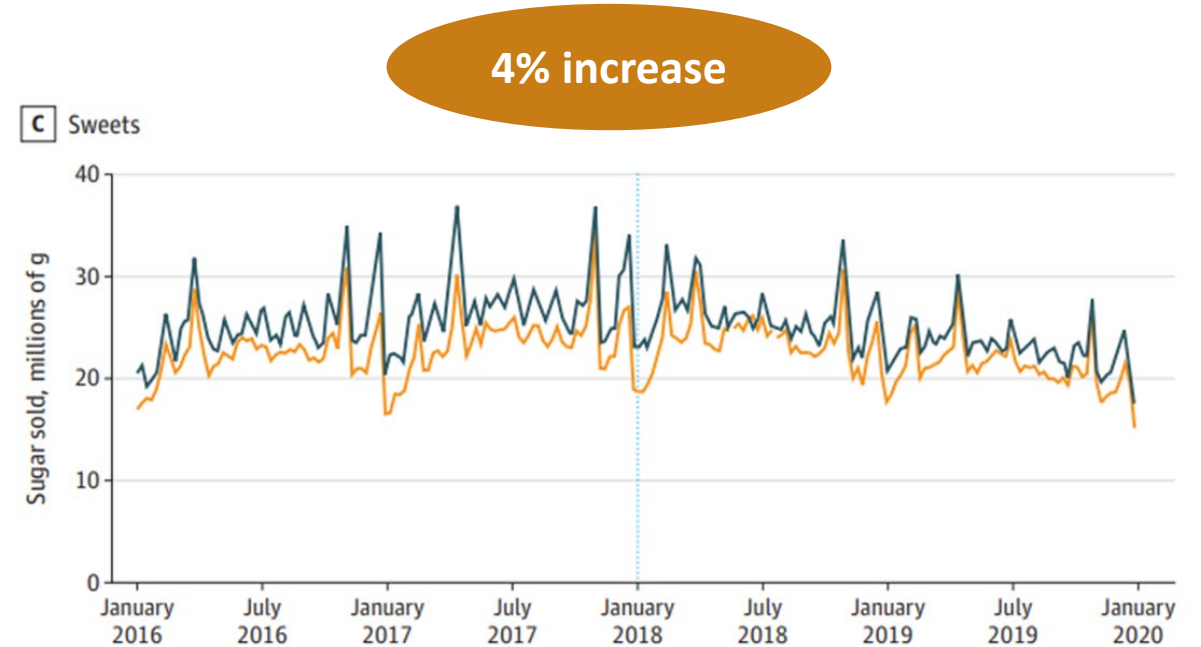
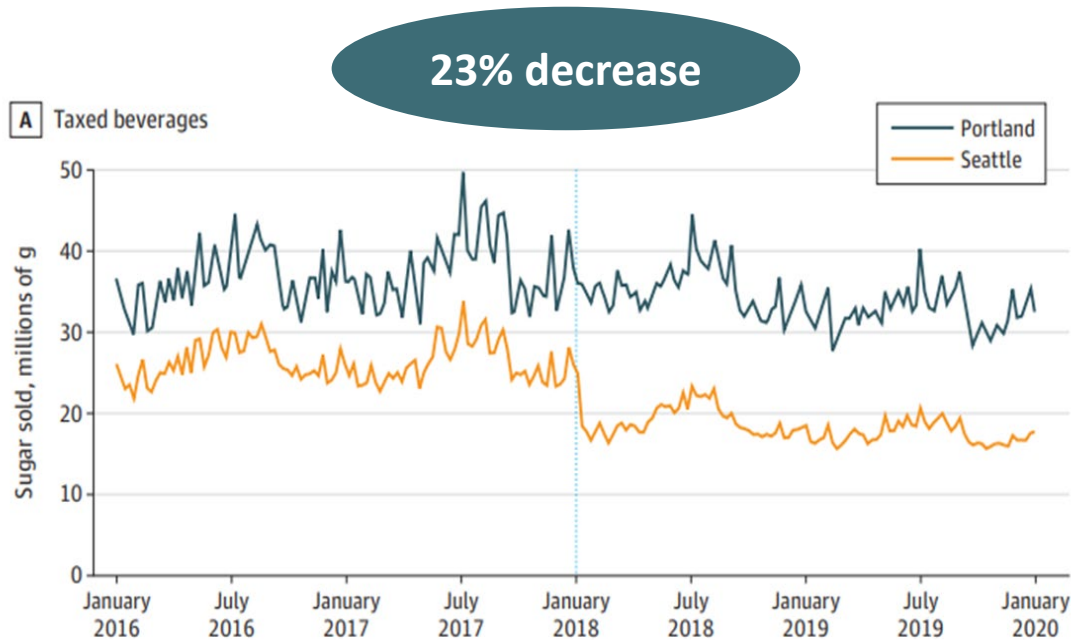
FIGURE 3 Elasticity Estimates and Meta-analysis Results



Tax economic burden and benefit Seattle



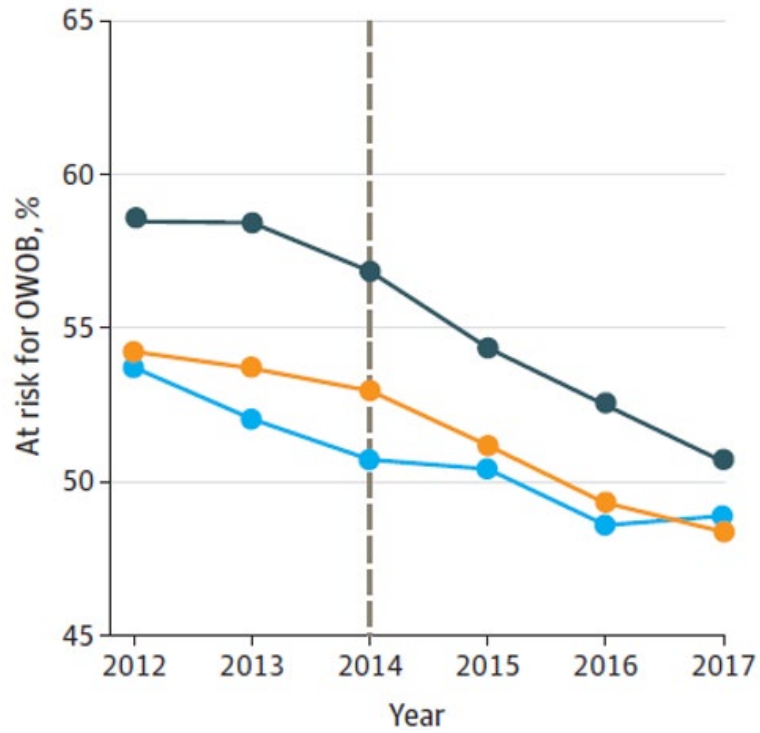
Substitution effects Seattle (grams sugar sold)



Net 19% reduction in grams of sugar sold 2 years post tax
(accounting for sugar sold in untaxed beverages, sweets, and stand-alone sugar)

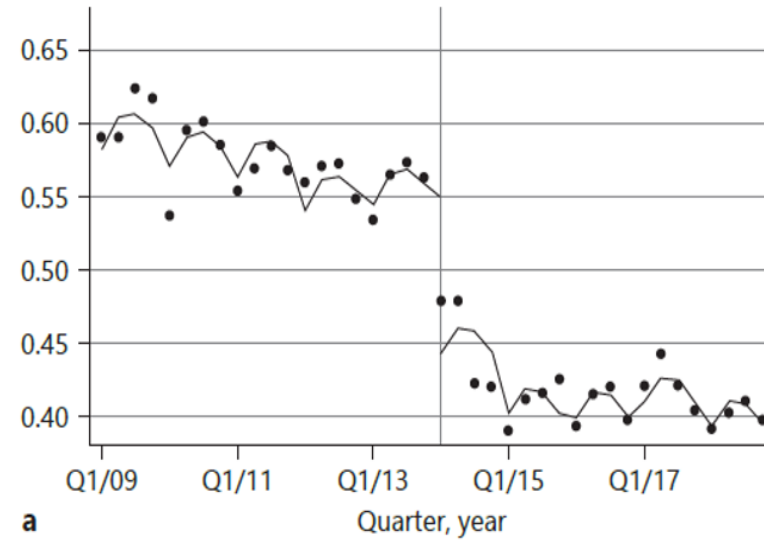
Health Mexico

Overweight or obese



● Change in price 10% or more
 ● Change in price 5% to 10%
 ● Change in price less than 5%

Mean teeth with caries



Primary teeth

● Average dmft score
— Predicted

School meals

- Reducing sugar and sodium
- Strengthening whole grains
- Plant-based foods
- Universal school meals
- Community Eligibility Provision
- Year-round meals
- Procurement
- Marketing restrictions



Research questions:

- nutrition security
- diet quality
- BMI
- school performance
- cost-effectiveness
- co-benefits

School meals during closures

New Distribution Days
MONDAY & THURSDAY

**FREE GRAB & GO
MEALS DURING
COVID-19**



SCHOOL CLOSURE



P-EBT and Grab-and-Go School Meals

Cost per meal delivered

GGSM - \$8.07

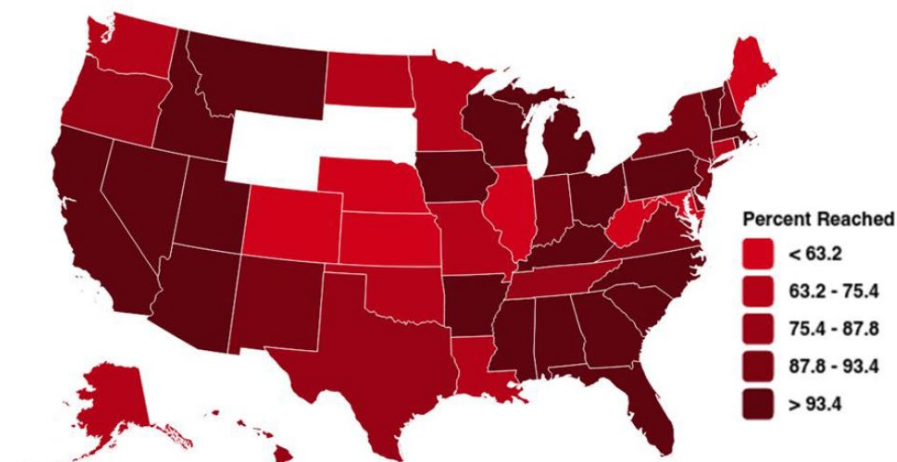
P-EBT - \$6.46

Program reach in April/May 2020

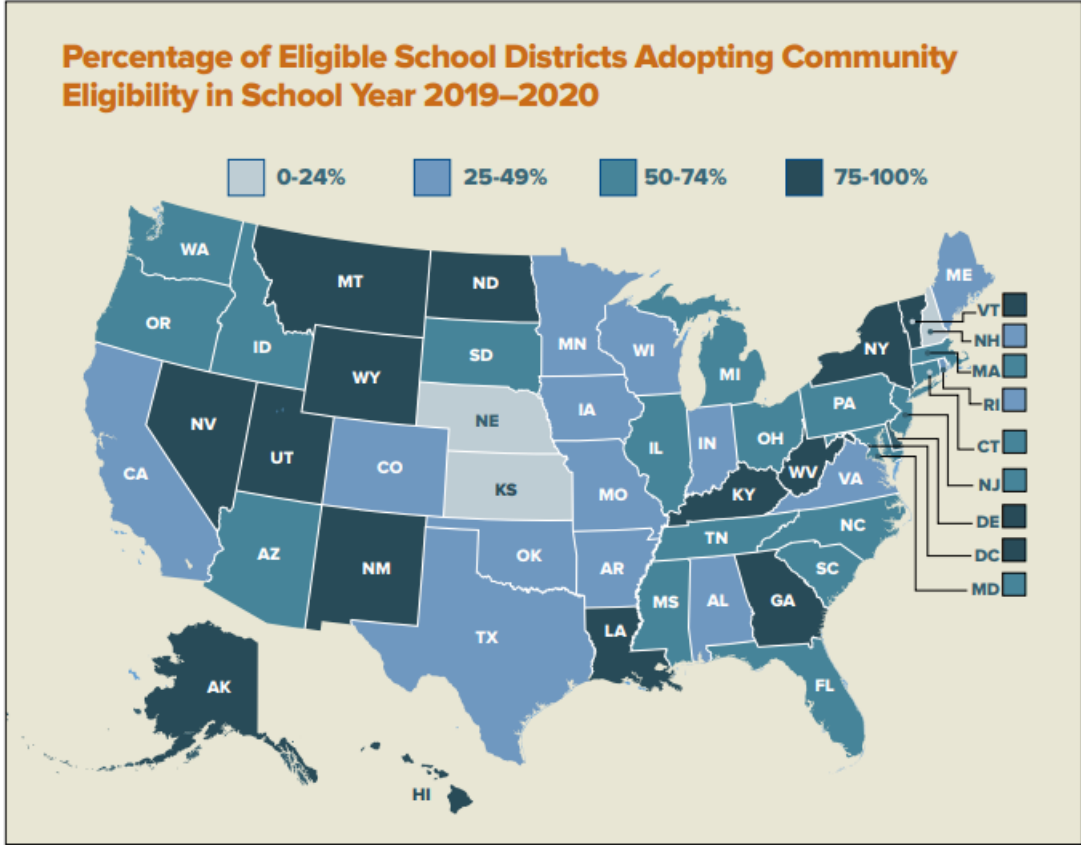
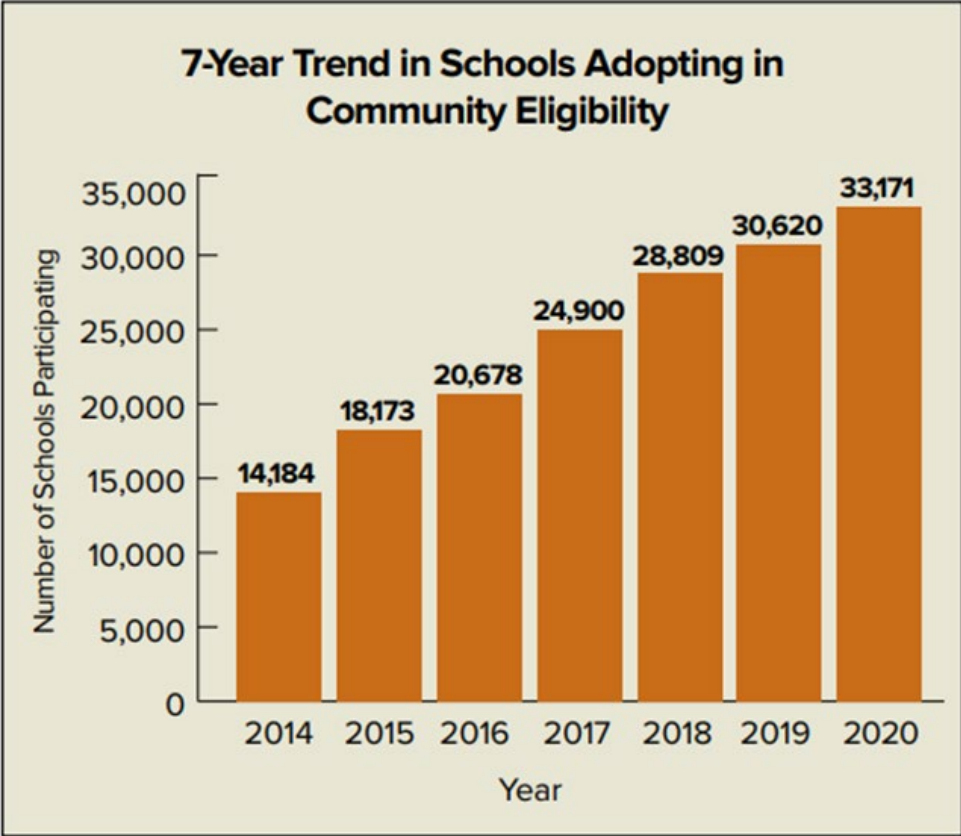
GGSM reached 8 million children (27% of those eligible)

P-EBT reached 27 million children (89% of those eligible)

B. Reach of P-EBT by state, spring 2020



Community eligibility for school meals



Plant-based foods



NYC Public Schools Are Going Vegan on Fridays

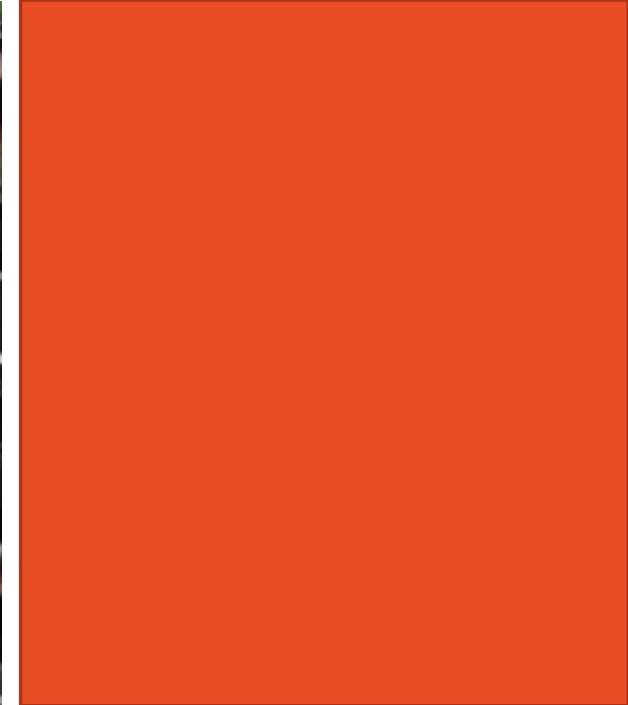
Mayor Eric Adams and the NYC Department of Education have made the decision to introduce more vegan options in schools across the city.

Beginning this month, NYC public schools are going vegan on Fridays. After successfully implementing Meatless Mondays in 2019 and Meatless Fridays in April 2021, NYC's Mayor Eric Adams and the Department of Education (DOE) made the decision to begin serving fully vegan meals in schools as a way to introduce students to healthy, nutritious foods and to create exposure to vegan options they might not see elsewhere.



Warning labels

Better evidence,
legal challenges



Warning Labels

Graphic warnings on sugary drinks



17% absolute reduction
in choice of sugary drink in naturalistic store
laboratory

What we know

- Labels on beverage containers and dispensers reduce purchases, change attitudes, increase knowledge about sugary drinks
- Icon and graphic labels more effective than text only

Research questions

- Effect moderation by race/ethnicity, English proficiency, SES
- Nutrient vs. health warning
- Real-world effectiveness
- Effects on reformulation

NYC added sugars menu warning

! SUGAR WARNING Item exceeds half the Daily Value for added sugars based on a 2,000 calorie diet. The U.S. Dietary Guidelines advises limiting added sugars.

2,000 calories a day is used for general nutrition advice, but calorie needs vary.



combo meals

> includes medium fries and medium soft drink

Big Mac 870 Cal. ⚠	8.19
2 Cheeseburgers 920 Cal. ⚠	6.38
Quarter Pounder w/Cheese 830 Cal. ⚠	8.19
Double Quarter Pounder w/Cheese 1040 Cal. ⚠	9.59
Crispy Chicken Sandwich 790 Cal. ⚠	8.99
10 Pc. Chicken McNuggets 740 Cal. ⚠	8.29
Filet-O-Fish 700 Cal. ⚠	7.69

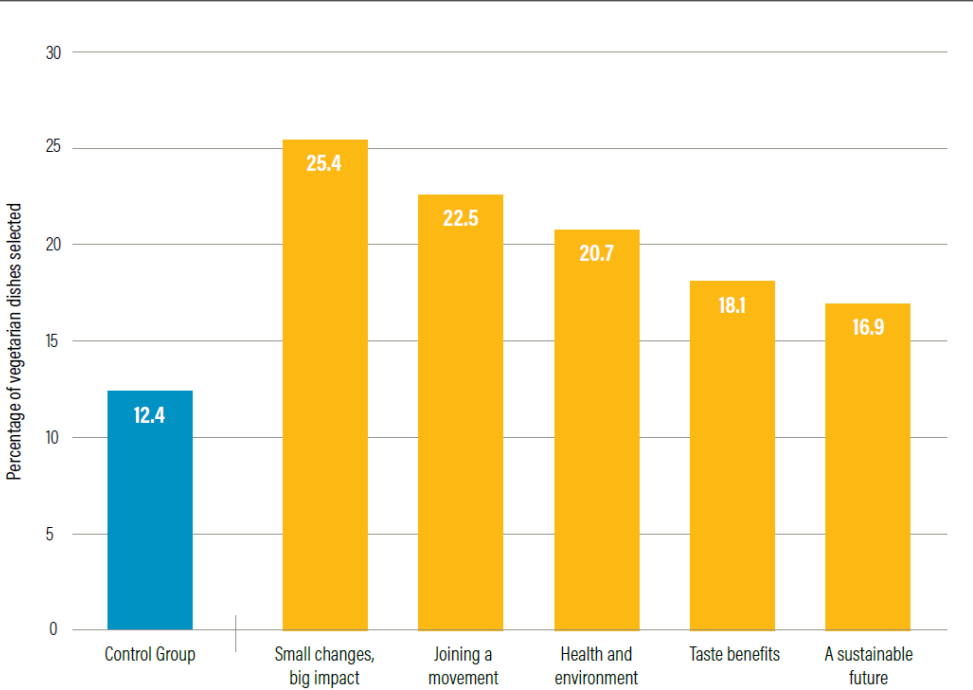
Plant-based food menu messages

90% of Americans are making the change to eat less meat. Join this growing movement and choose plant-based dishes that have less impact on the climate and are kinder to the planet.



90% of Americans are making the change to eat less meat. Join this growing movement and choose plant-based dishes that have less impact on the climate and are kinder to the planet.

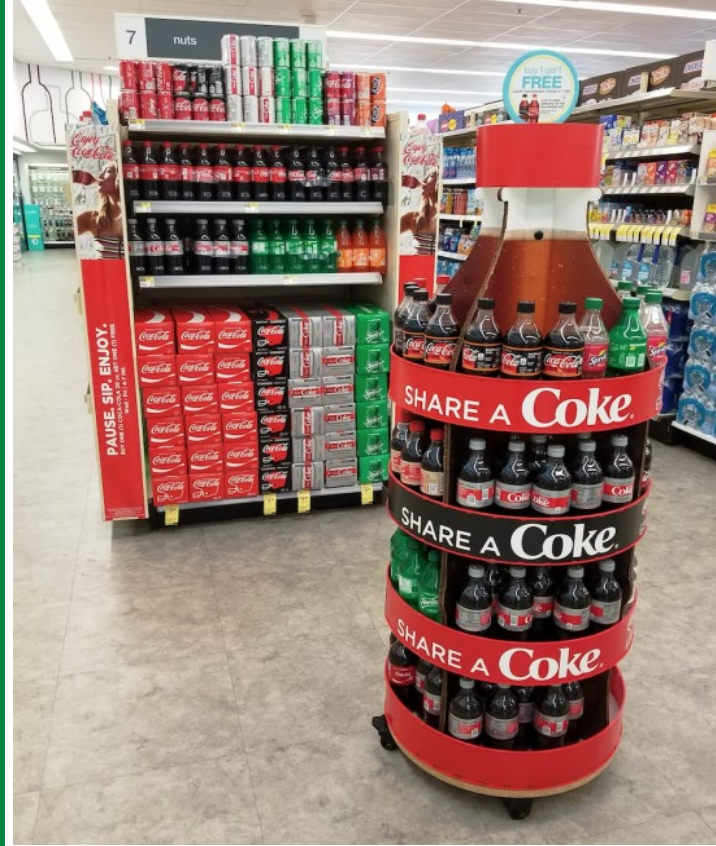
Figure 8 | Percentage of Vegetarian Dishes Selected Compared to the Control Group among the Five Top-Performing Messages from Trial 1



<input type="radio"/> Chicken Pasta <i>Blackened chicken and diced tomatoes with spinach tortellini in alfredo sauce</i>	<input type="radio"/> Baby Back Ribs <i>Tender ribs with smoky mesquite BBQ sauce, served with coleslaw and corn bread</i>
<input type="radio"/> Pacific Veggie Pizza <i>Caramelized onions, roasted red peppers, black olives, mushrooms, and spinach over shredded mozzarella</i>	<input type="radio"/> Sirloin Steak <i>Pan-seared sirloin steak, served sweet potato fries</i>
<input type="radio"/> Chicken Pot Pie <i>Shredded chicken, carrots, onions, mushrooms and peas with a creamy herb sauce in a flaky pie crust</i>	<input type="radio"/> Butternut Squash Quinoa Bowl <i>Roasted butternut squash, sliced avocado, toasted chickpeas, and pumpkin seeds over quinoa, with a roasted red pepper sauce</i>
<input type="radio"/> BBQ Chicken Pizza <i>Diced chicken, red onion, smoked Gouda cheese and fresh mozzarella with BBQ sauce</i>	<input type="radio"/> Classic Meatloaf <i>Thick sliced ground beef slow-baked in a classic tomato sauce with onions, served with roasted vegetables, mashed potatoes and gravy</i>

Marketing

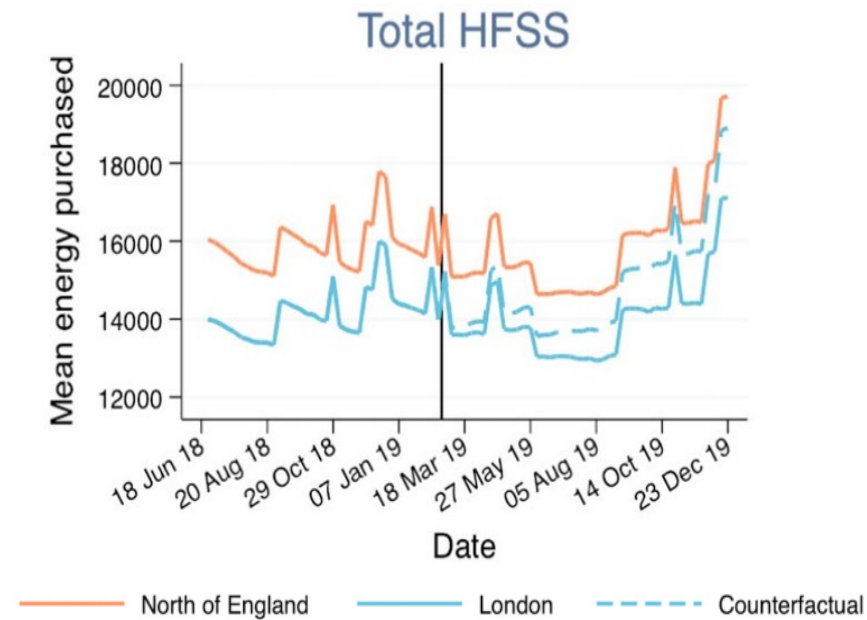
- Restrict media advertising
- Restrict advertising in schools
- Restrict promotions
- Require healthy foods in prominent locations/restrict unhealthy product locations
- Challenge deceptive and discriminatory marketing
- Countermarketing
- Restrict sales of unhealthy products
- Retailer incentives



Research Questions

- Effects on sales and consumption
- Deception
- Effects on diet quality
- Change in marketing practices
- Change in product lines

Advertising restrictions Amsterdam and London



6.7% decrease in weekly household calories
purchased from HFSS
(1000 cal/week)

Mind The Junk Food: London To Ban Ads For Unhealthy Eats On Public Transportation

November 23, 2018 - 3:13 PM ET

VANESSA ROMO



London Mayor Sadiq Khan announced a ban on junk food advertisements across the city's transportation network on Friday. The new rules will take effect on Feb. 25, 2019.

New York City Executive Order No. 9 (Feb 10, 2022)

“Advertising on property owned or controlled by the City, including but not limited to any street furniture, bus shelter, bike shelter, newsstand, phone booth, Wi-Fi kiosk, or recycling kiosk, shall require advertising of food products to promote or feature only such healthy foods”



Predatory Marketing Prevention Act (NY State S7487)

STATE SEN. ZELNOR MYRIE, A CARROT, TARGETS JUNK FOOD ADVERTISING

By Ben Verde

0 comments Posted on October 29, 2021



State Sen. Zellnor Myrie (left, carrot) wants to regulate how junk food is marketed to kids.

- An advertisement concerning a food or food product shall not be false or misleading.
- Special consideration given to ads directed at children.
- The attorney general, or a city may bring an action in the supreme court or federal district court to enjoin and restrain such violations and to obtain restitution and damages.*
- Any person, firm, corporation or association that has been damaged... shall be entitled to bring an action for recovery of damages or to enforce this section in the supreme court or federal district court.

* Attorneys General can also pursue action against deceptive marketing under existing consumer protection laws

Promotions



 GOV.UK

→ [Coronavirus \(COVID-19\)](#) | Latest updates and guidance

[Home](#) > [Parenting, childcare and children's services](#) > [Children's health and welfare](#)

News story

Promotions of unhealthy foods restricted from October 2022

Following consultation with industry, the government will restrict unhealthy food promotions in stores from October 2022.

Healthy retail

- **Allow promotion of only healthy foods at checkout aisles, endcaps and other promotional displays**
- Permit stocking of unhealthy products only in less accessible locations
- Minimum pricing/price promotion restrictions
- Conditional licensing
- Age restrictions on purchasing
- Regulating cooperative marketing agreements (advertising, category management, slotting fees)

San Francisco Chronicle

Berkeley passes ordinance requiring healthy snacks at checkout aisles

By Shwanika Narayan · 9/24/2020



Shoppers in Berkeley will soon see fewer junk food items on their way out of grocery stores now that the City Council has passed an ordinance requiring grocers to offer healthy food and beverages in checkout aisles.



© Gabrielle Lurie / The Chronicle
Oakland resident Shannon Ratay checks out at Berkeley Bowl on Sunday, March 15, 2020 in Berkeley, California. In a unanimous vote Tuesday night, the Berkeley City Council passed the "healthy checkout" bill, eliminating the sale of junk food and beverages in the checkout lane and requiring healthy food options instead starting next year.

Countermarketing

truthaboutfruitdrinks.com

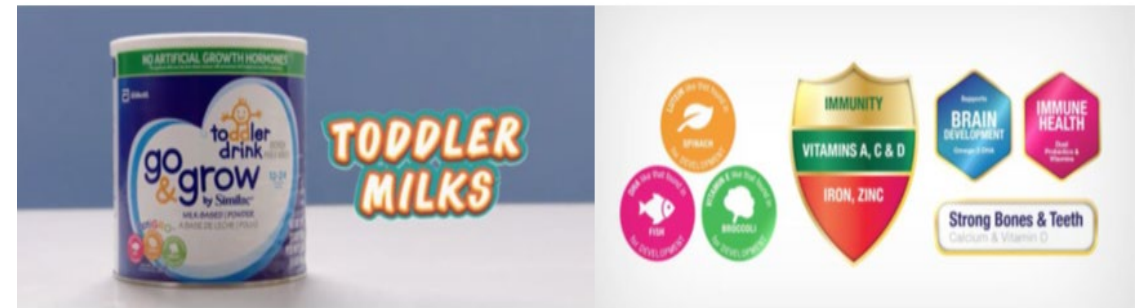
Home About Approach Impact Share the Messages Download the Messages

THE TRUTH IS HARD TO SWALLOW

DON'T BE FOOLED BY FRUIT DRINKS

A Social Media Countermarketing Toolkit to Reduce Fruit Drink Purchases

[Learn More](#) [Download Toolkit](#) [View Messages](#)



They are "toddler milks."

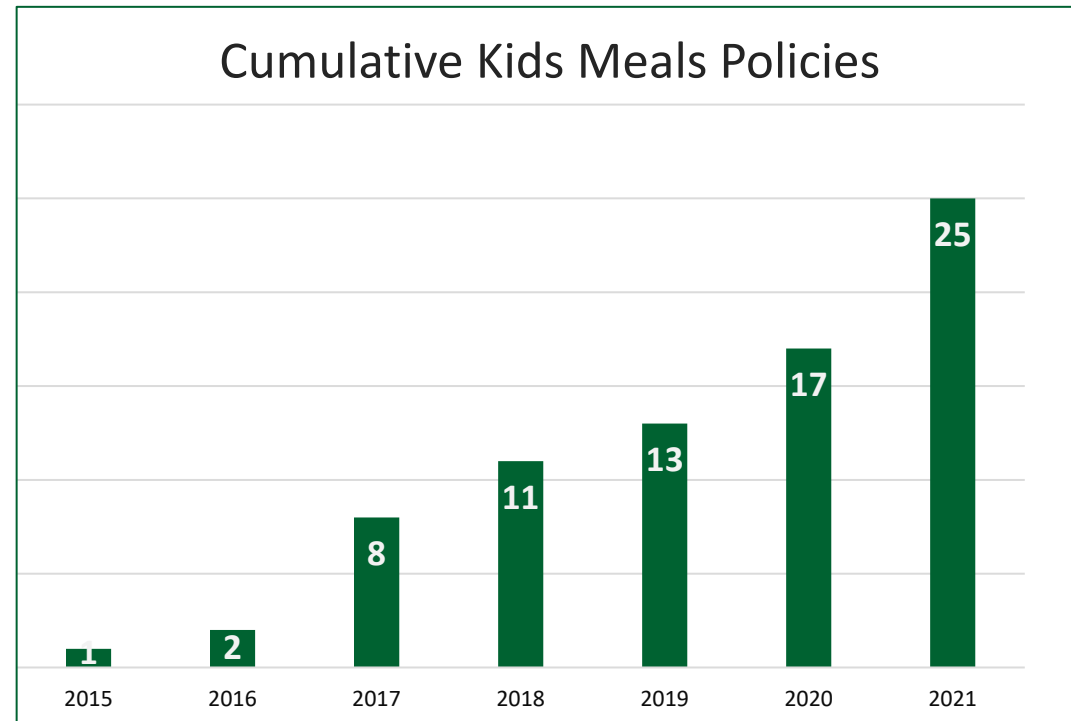
These claims may sound great...



...but they are **NOT** supported by science.

IT'S JUST MARKETING HYPE!!!

Kids' meals



- Montgomery County first to include food as well as beverages
- Implementation limited with menus and servers inconsistently offering default beverages
- No real-world evidence on effects on foods ordered or consumed
- Online RCT found no effects

Local/regional food policy plans

Offices of food policy



FOOD FORWARD NYC: A 10-YEAR FOOD POLICY PLAN



NYC
Food Policy

February 2021

LOCAL LAWS OF THE CITY OF NEW YORK FOR THE YEAR 2020

No. 40

Introduced by Council Members Gibson, Levine, Kallos, Ayala, Lander, Brannan, Cohen, Rosenthal, Vallone, Barron, Rivera, Levin and Eugene.

A LOCAL LAW

To amend the New York city charter, in relation to requiring the office of food policy to formulate a 10-year food policy plan

*Such plan shall, at a minimum,
make recommendations relating to:*

- (a) Reducing hunger;*
- (b) Improving nutrition;*
- (c) Increasing access to healthy food;*
- (d) Reducing food waste;*
- (e) Developing and improving food and farm economies; and*
- (f) Increasing urban agriculture and sustainability.*

Food waste and rescue

NY State S.4176 requires supermarkets to make excess food available to emergency food system

- **Prevention**
Prevent food that is wasted.
- **Rescue**
Collect edible food and ensure it reaches those who need it.
- **Recovery**
Support productive uses of inedible food materials (e.g. for animal feed, energy production through anaerobic digestion, and composting)



Use Food Well Washington Plan

A roadmap to a more resilient food system through food waste reduction

Solid Waste Management Program

Washington State Department of Ecology

Headquarters

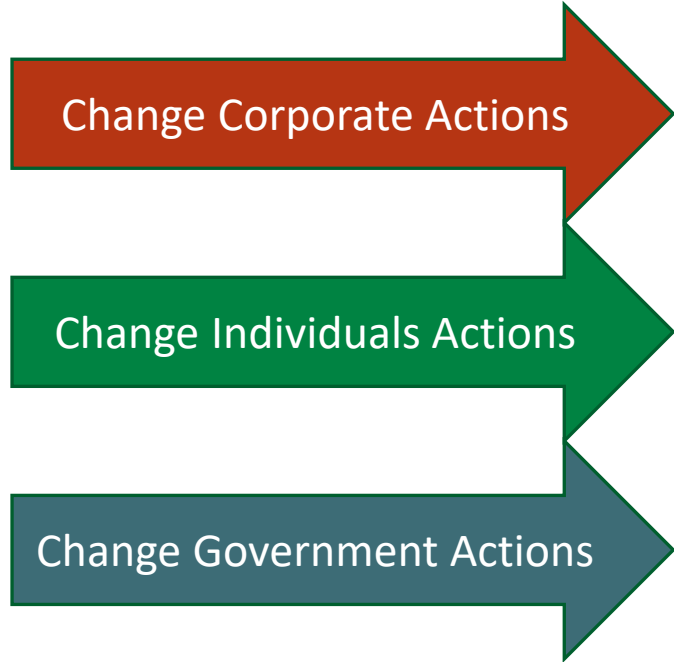
Olympia, Washington

February 2022, Publication 21-07-027



Food Hubs





HUMAN HEALTH

- Overweight/obesity
- Food insecurity
- Non-communicable diseases
- Air pollution
- Assessed qualitatively² - Antimicrobial resistance

ENVIRONMENT

- Greenhouse gas emission
- Water use
- Soil erosion

ECONOMY

- Subsidies

BIODIVERSITY

- Land use
- Pollution

LIVELIHOODS

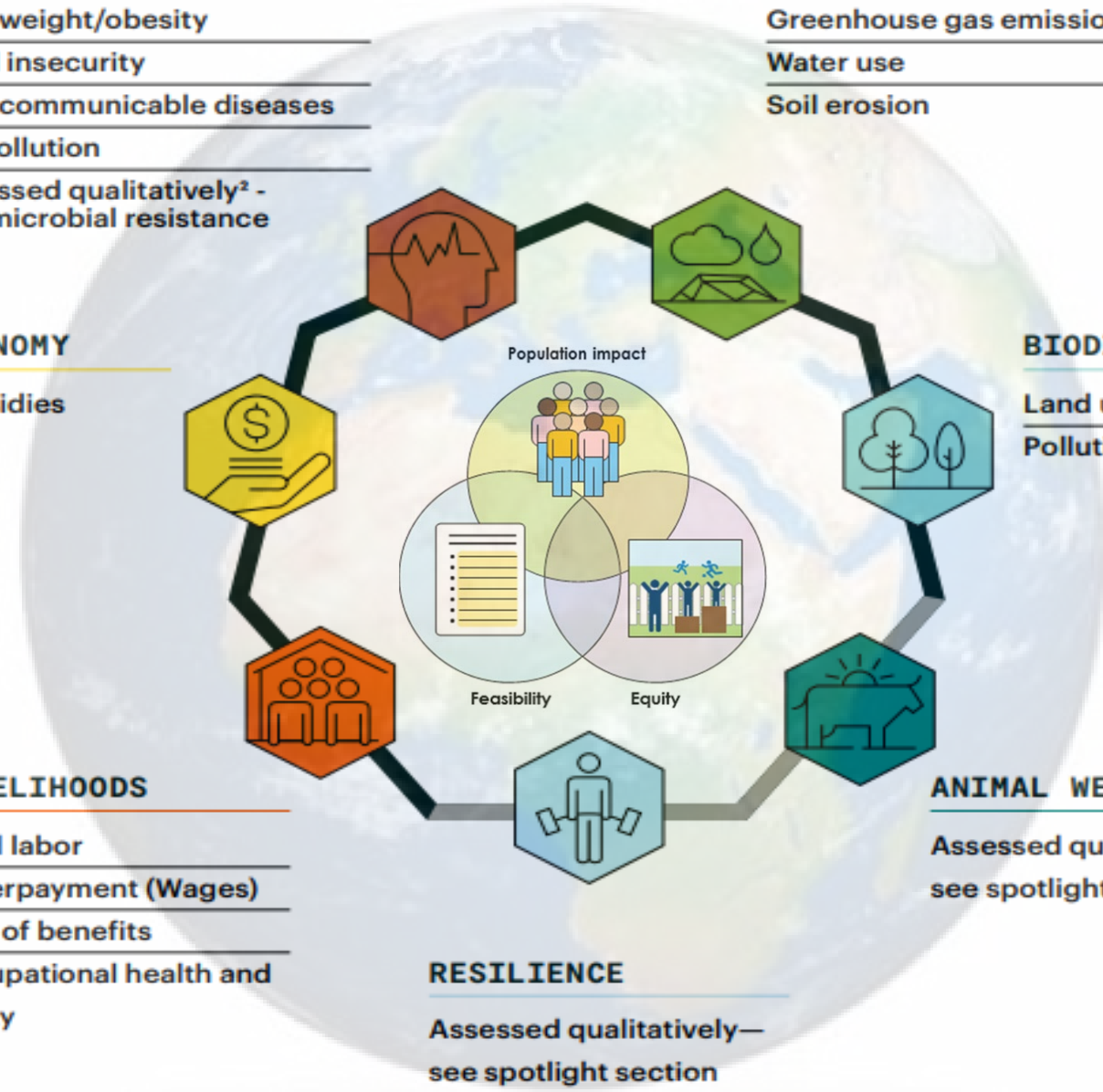
- Child labor
- Underpayment (Wages)
- Lack of benefits
- Occupational health and safety

ANIMAL WELFARE

- Assessed qualitatively— see spotlight section

RESILIENCE

- Assessed qualitatively— see spotlight section



Child nutrition priorities: Congress

Increase access

- Healthy school meals for all
- Make summer EBT permanent
- Make P-EBT permanent
- Expand access to summer and CACFP meals, WIC
- Keep pandemic enrollment flexibilities

Maintain and strengthen nutrition

- Protect and strengthen school meal nutrition standards
- Expand Fresh Fruit and Vegetable Program

Provide financial support

- Increase school meal reimbursement
- Provide additional financial relief for schools

Improve school food environment

- Fund kitchen equipment
- Fund safe drinking water
- Address adequate time to eat
- Establish additional grant programs that support school meals

Tribal Sovereignty

- Allow tribes to operate child nutrition programs

What can the Administration do?

Nutrition security efforts:

- Update school meal nutrition standards
- \$100 million for healthy school meals
- WIC food package update
- WIC online
- Tribally-led nutrition initiatives

Dessert for breakfast?



Farm Bill

- Keep flexibilities for enrollment and recertification in SNAP and WIC
- Eliminate SNAP time-limits for able-bodied adults without dependents
- Online SNAP pilot and WIC purchasing programs
- Expand GusNIP



Dietary Guidelines for Americans

USDA-HHS PROCESS TO DEVELOP THE DIETARY GUIDELINES FOR AMERICANS, 2020-2025

Once the Dietary Guidelines Advisory Committee submits its scientific report to USDA and HHS, the departments use the findings to develop the *Dietary Guidelines for Americans*. After approval by the Secretaries of both departments, the guidelines are released to the public.

1



Access & Consider Key Resources

- 2015-2020 *Dietary Guidelines for Americans*
- Scientific Report of Advisory Committee
- Agency and public comments

2



USDA & HHS Write the *Dietary Guidelines*

- Make updates that represent totality of scientific evidence
- Consider Federal programs and best practices for developing guidelines

3



Review by Scientific Experts

- Federal expert technical review
- External peer review

4



Clearance by USDA & HHS

- Agency clearance (e.g., FNS, CDC, NIH, FDA)
- Administration clearance

5



Dietary Guidelines released by USDA & HHS

- Communicate the new edition
- Begin implementing across agencies and programs

For more information about this step-by-step process, go to DietaryGuidelines.gov



December 2020

Dietary Guidelines for Americans

Proposed scientific questions



- Included
 - **Equity – strengthen**
 - Dietary patterns and set of health outcomes (weight, CVD, T2D, cancer, cognitive functioning, bone and muscle health)
 - **Ultraprocessed foods and weight**
 - Dietary patterns and pregnancy (gestational DM, hypertensive disorders, gestational age a birth, birthweight)
 - **Complementary foods and beverages**
 - **Beverage patterns and weight and T2D**
 - **Added sugars and weight and T2D**
 - Saturated fat and CVD
 - Childhood feeding practices
 - Timing of eating occasions
 - Other specific food-based strategies
 - Food pattern modeling including current US-Style, Mediterranean, Vegetarian
- Separate processes
 - Alcoholic beverages
 - Sustainability and climate change

<https://www.dietaryguidelines.gov/work-under-way/submit-comment>

Audience Discussion

Innovation through Collaboration

Breakout Session #1

- Room 1: WIC Research + Early Childhood
- Room 2: COVID-19 Food & Nutrition+ School Wellness
- Room 3: Food Policy Councils + Food Service Guidelines
- Room 4: Healthy Food Retail + Rural Food Access
- Room 5: Food Security + Drinking Water

Breakout Session #2

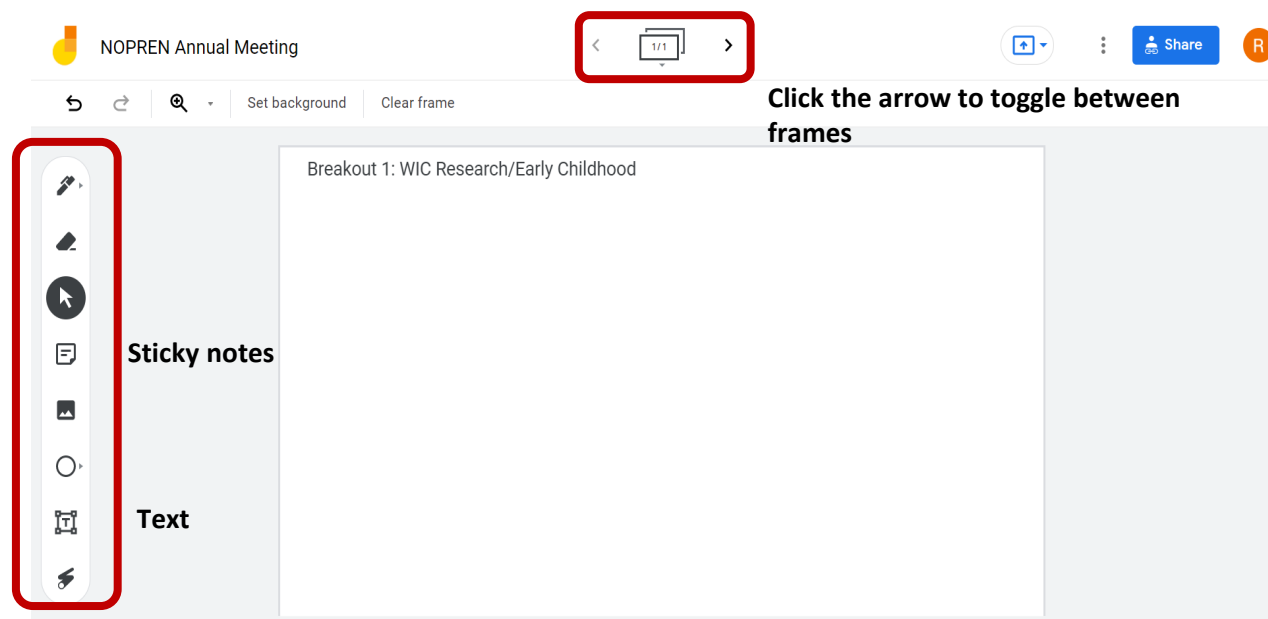
- Room 6: School Wellness + Early Childhood
- Room 7: Rural Food Access + Food Security
- Room 8: COVID-19 + Food Policy Councils
- Room 9: Healthy Food Retail + Food Service Guidelines
- Room 10: Drinking Water + WIC Research

Innovation through Collaboration

We will use Jamboard to brainstorm ideas based upon the provided discussion questions

Each breakout room will have their own Jamboard frame:

- Click through the frames to find your Jamboard slide; The frame number will correspond with your breakout room number
- Use the sticky notes or text icons on the left to jot down ideas
- Everyone will have access, so multiple people can take notes, or you can designate a single note taker



NOPREN Annual Meeting

1/1

Share

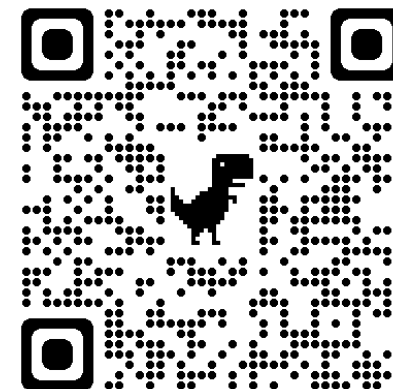
Click the arrow to toggle between frames

Sticky notes

Text

Breakout 1: WIC Research/Early Childhood

Jamboard QR code or find the link in the chat



Innovation through Collaboration

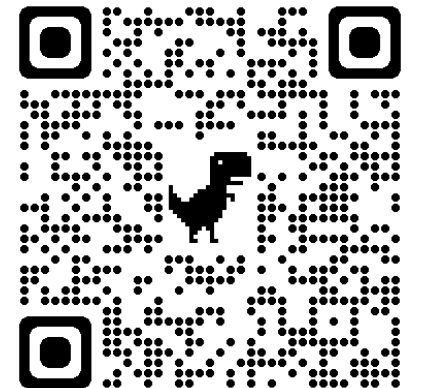
Discussion Questions:

- What are the mutual areas of interest and alignment between your WGs?
- Are there specific projects where your WGs could work together?
 - Cross-promoting or co-hosting a WG call
 - Joint project
 - Cross-fertilization of WG members into existing projects in the other WG
 - Brainstorming sessions

Add your notes/action items to the JamBoard!

We'll ask one person to report out at the end of the session

Jamboard QR code or find the link in the chat



Innovation through Collaboration

Join your breakout room!



Room 1: WIC Research + Early Childhood

Room 2: COVID-19 Food & Nutrition + School Wellness

Room 3: Food Policy Councils + Food Service Guidelines

Room 4: Healthy Food Retail + Rural Food Access

Room 5: Food Security + Drinking Water

Innovation through Collaboration



Session Report Out

Innovation through Collaboration

Join your breakout room!



Room 6: School Wellness + Early Childhood

Room 7: Rural Food Access + Food Security

Room 8: COVID-19 + Food Policy Councils

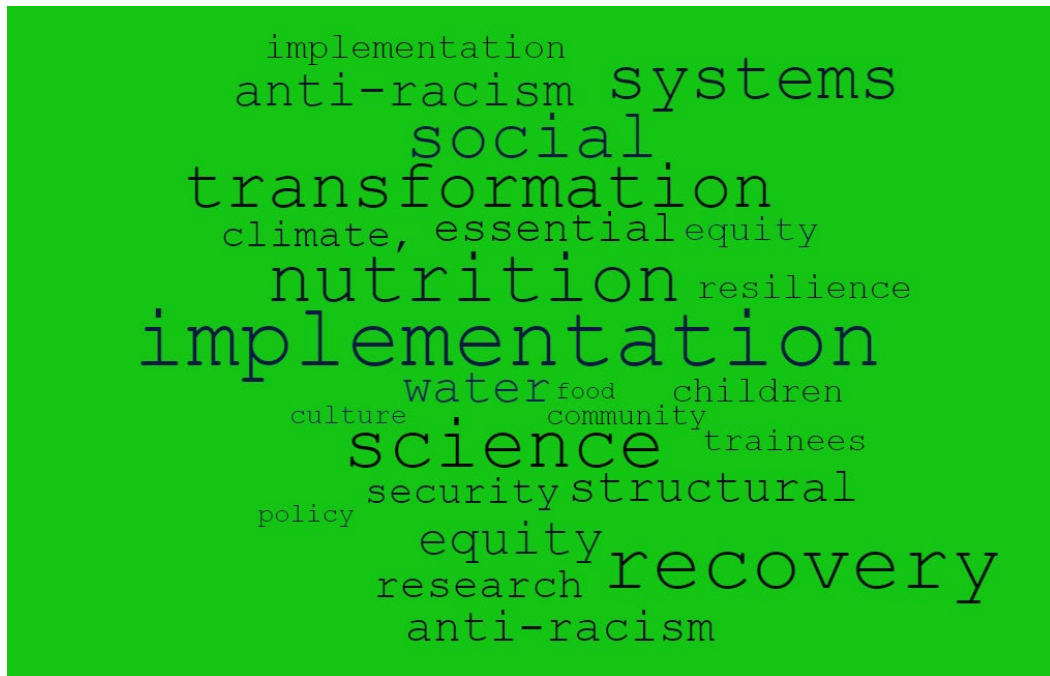
Room 9: Healthy Food Retail + Food Service Guidelines

Room 10: Drinking Water + WIC Research

Innovation through Collaboration



Session Report Out



Thank you!

Visit us:

<https://www.nopren.ucsf.edu>



Get in touch!

Email: NOPREN@ucsf.edu

Twitter: [@NOPRENnetwork](https://twitter.com/NOPRENnetwork)

The findings in this presentation are those of the author and do not represent the official views of the Centers for Disease Control & Prevention or Department of Health and Human Services