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				Food Security	National, State, County	Estimates of the impact of COVID-19 on food insecurity at the national level (overall and HH w/children), state level and county level.
COVID-19 and Food Insecurity	Emily Engelhard (Feeding America) Sarah Colby (University of	Craig Gundersen (UIUC)		Health behaviors	Survey shared publicly online	Survey assessing what people are doing about food and how other health behaviors may be impacted by COVID-19
Survey: Effects of COVID-19 on Food Habits How School Districts Are Feeding Students	Tennessee)			Schools	School districts across the country	Created a google document of how school districts across the country are ensuring students and families have access to nutritious school meals during closures due to COVID-19. You can view by urban, suburban, and rural districts, and food
During Closures	Julia McCarthy (Tisch Food Center)	Meghan Maroney (CSPI)		Behavioral Health	Nationwide for research participants	service providers. Survey developed to assess the impacts of COVID19 on research participant's mental health outcomes, their ability to adhere to recommendations within a behavioral intervention, and how this pandemic has affected their desire to participate in research. If you have a behavioral intervention going on currently (even if it has moved to remote sessions or assessments or was stopped because it had to be done in person), please forward this along this survey to your research participants. It takes less than 10 minutes to fill out and they have a chance to win a \$25 gift card. If you don't have a behavioral intervention currently, but know a colleague who does, please forward it along to them. The survey will be open from April 1-April 10, 2020. The link to our survey is here:
Impact of COVID-19 on Research Participants (not official title)	Michelle Cardel (UFL)			Food Systems	National	https://is.gd/covid_19research This project seeks to describe the volume and content of news media coverage of U.S. food systems during the COVID-19 response.
News Media Coverage of U.S. Food Systems During the Coronavirus-19 Pandemic: Lessons Learned about Food Systems Resilience and Disaster Preparedness	Alyssa Moran (JHSPH)	Caroline Dunn (HSPH); Beth McGinty (JHSPH); Roni Neff (JHSPH)		Social Determinants of Health; Impact of COVID-19 on low-income populations	SF Bay Area	The overall goal of the COCO Needs Assessment is to provide data on social needs among our community's low-income and racial ethnic minority populations to mitigate health disparities.
COVID-19 Community Outcomes Needs Assessment Survey	Lisa Goldman-Rosas (Stanford)	Anisha Patel (Stanford); Wei-ting Chen (Stanford)		Food Security	Boston	Add-on follow-up survey and in-depth interviews for a cohort of ~850 patients enrolled in a monthly free produce distribution at
The PRODUCE Study COVID-19 Sub-Study: Impact of COVID-19 on Diet, Food Insecurity, and Food Assistance Needs	Rachel Zack (The Greater Boston Food Bank)	Rachel Weil (GBFB); Dharma Cortes (CHA)				a health center. The purpose of the surveys and interviews are to understand the impact of COVID-19 on diet, food insecurity, and use of, and need for, charitable and federal food assistance.

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Understanding reach and implementation of school nutrition safety net programs for NC families during COVID-19: implications for policy and practice	Food Insight Group, No Kid Hungry NC, research collaborative of Duke University SOM, UNCG, UNCCH, ECU	Hannah Lane (Duke) Beth Katz (FIG)	Duke SOM	Schools	Accepting videos from schools/districts across the USA, conducting interviews with sponsors across NC, GIS mapping for NC counties	Local and national organizations are already doing the important work of gathering information on where kids can access food right now, as well as on the strategies districts are using to meet this critical need. We want to collect video footage to document how districts with varying resources are procuring, preparing, and distributing food to kids. We need to see what's working, where the gaps remain, and how we can be better prepared to keep our communities fed during the next disaster. We also want to map the distribution of sites across the state and identify geographic and urbanicity differences
COVID-19: Documenting Challenges Faced		Shannon Whaley (PHFE	The David and Lucille Packard Foundation	WIC	California (WIC agencies), Los Angeles County (participants)	The purpose of the project is to: (1) identify barriers that WIC participants in LA County are experiencing in using WIC food benefits (e.g., access to WIC-eligible foods) that could inform the USDA and states for the need for additional waivers of program requirements; (2) identify additional short-term unmet basic needs (e.g., food and housing insecurity, as well as access to unemployment benefits, healthcare, childcare, and social support while required to remain at home) of low-income families during the COVID-19 pandemic that can inform mobilization of additional resources; (3) identify how California WIC agencies are implementing federal waivers and other modifications to WIC services due to COVID-19 that can be later used to inform WIC innovations.
by California Families with Children 0-5 Years Old on WIC COVID19 and our most vulnerable:	Institute)	WIC)		Food Security, Psychological Distress, Employment and Perceived Stress	Pittsburgh, PA	We are tracking the effects of the novel coronavirus outbreak on mental health, access to information, food, medical care and medicine, income and employment on vulnerable U.S residents who experience some of society's greatest inequities. Since 2011, the Pittsburgh Hill/Homewood Research on Neighborhoods and Health (PHRESH) has collected critical, detailed information on a group that is among U.S society's most vulnerable, on multiple dimensions. Working in two low-income, racially isolated and disinvested neighborhoods in Pittsburgh, Pa, PHRESH has followed a random sample of 1000+ predominantly African American households across time (2011-present) to understand the impact of neighborhood investments on residents' health outcomes. We have prior data on food security, food access, housing conditions and security, physical health, psychological distress, perceived stress, stressful life experiences and trauma, social cohesion and more. We are conducting a phone survey to capture acute reactions to Pittsburgh's coronavirus outbreak in these areas.
Documenting and Assessing the Impact	Tamara Dubowitz (RAND)			Schools	Convenience sample of CA districts	break meals, then create an info-sheet for CA districts on solutions & best practices, with links to CA-specific resources. Separately, we have applied for funding for some targeted work and for an in-depth look at how school meals are
COVID19 and our most vulnerable: Documenting and Assessing the Impact (Spring Break and Summer)	Christina Hecht (Nutrition Policy Institute)	Anisha Patel (Stanford), Ken Hecht (NPI)				addressing food security in CA's Central Valley (our agricultural region), and/or for a CA-wide sample.

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The Effect of COVID-19 on Food Insecurity in the United States	Julia Wolfson (University of Michigan)	Cindy Leung (University of Michigan)		food security, diet quality/behaviors, and psychosocial measures of stress, depression, anxiety	National sample of low- income adults	In this survey research study we fielded a national online survey of low-income adults in the U.S. to measure the effect of the COVID-19 outbreak on food insecurity and other health outcomes in mid-March 2020 just as distancing measures are just starting to be widely implemented. A similar follow up survey will be conducted in approximately three-four months.
The impact of multiple hazards (Hurricane Florence and COVID-19) on food security	Lauren Clay (NYU; D'Youville College)			food security, disaster experience, kitchen damage, mental and physical health, perceptions of recovery, food sources, social aspects of food	Eastern NC, nested quota sample, n=1000	This survey follows up on four waves of data collection in Eastern North Carolina examining the impact of Hurricane Florence on the local food environment. The survey will ask about experiences and damage related to Hurricane Florence, the impact of Florence on food security and experiences with food and meals, then shift to ask about current experiences with COVID-19. The goal is to understand three different aspects of food environment disruption 1) food security and the social role of food following Hurricane Florence, 2) the current experience with food and meals during COVID-19, and 3) the experience of food and meals with compounding events - a population recovering from a devastating hurricane and now coping with a subsequent risk.
COVID-19 and eating and drinking behaviors	Jenna R. Cummings (University of Michigan)	Ashley N. Gearhardt (University of Michigan), Julia Wolfson (University of Michigan), Josh Ackerman (University of Michigan)		stress, eating to cope, drinking to cope, alcohol use, food addiction symptoms, added sugars intake, fruits and vegetables intake, perceived vulnerability to disease	Amazon MTurk	Aim 1: To investigate cohort effects in (1) added sugars intake, (2) fruits and vegetables intake, (3) food addiction symptoms, (4) eating to cope, and (5) perceived vulnerability to disease between MTurk samples collected in February 2019 and March 2020. Aim 2: To investigate associations between coronavirus-related distress and (1) added sugars intake, (2) fruits and vegetables intake, (3) food addiction symptoms, (4) eating to cope, (5) drinking frequency and quantity, (6) drinking to cope, and (7) cooking behaviors. Aim 2a: To test potential moderators of Aim 2 including state of current residence, perceived vulnerability to disease, political orientation, age, and gender.
			food insecurity, mental health, stressors, objective and subjective fear, media consumption,social capital,	National sample=10,368	This project examines how individuals' perceived risk and objective expressions of fear, including extreme social distancing, panic purchasing, and hoarding, are driven by demographic, physical and mental health, social connectivity, and media consumption characteristics. In addition, the project analyzes how community vulnerabilities, socioeconomic disadvantages, and geographic proximity to detected and disclosed coronavirus cases impact individual fear response behaviors simultaneously.	
The Diffusion of Fear and Coronavirus: Tracking Individual Response Across Time and Space NSF SES#2027148	Kevin Fitzpatrick (University of Arkansas)	Casey Harris Grant Drawve			national	Survey of food system workers including those involved in community food response. Focus on COVID risks, protections,
COVID-19 and food system workers	Roni Neff, Johns Hopkins University	Dan Barnett, Caitlin Ceryes, others				supports needed, experiences, perceptions.

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COVID-19 food security survey	Meredith Niles, UVM	Roni Neff, JHU; Emily Morgan, UVM; Farryl Bertmann, UVM			Multiple states (VT, MD, multiple others under discussion) and US national sample	,
State-Level School Meal Responses to COVID-19	Gabriella McLoughlin, Iowa State University	Sheila Fleishhacker, Georgetown; Amelie Hecht Johns Hopkins; Margaret Read and Coutney Smith, Share our Strength	·,	Schools	Nation-wide	Objective: To examine state-level school meal responses regarding meal service provision as a means to reduce food insecurity during the Covid-19 pandemic. Document analysis of state administrator of USDA National School Lunch Program and School Program websites, documents, and policies pertaining to COVID-19 over a period of 4 weeks postemergency declaration. Systematic coding of response comprehensiveness pertaining to 1) state-level best practices, 2) Communication with families/community, and 3) Meal site placement trends and accessibility.
Addressing Food Insecurity Through a Health Equity Lens: A Multiple Case Study of Large Urban School Districts	Gabriella McLoughlin, Iowa State University	Julia McCarthy, Columbia TC; Jared McGuirt, UNCG; Chelsea Singleton, UIUC; Preety Gadhoke, St. Johns Caroline Dunn, HCSPH		Schools and urban health	Urban School Districts (C Objective: to investigate meal service implementation during emergency closures due to the 2020 COVID-19 outbreak within several large urban areas in the US (New York City, Chicago, Los Angeles, Houston) using the Getting to Equity (GTE) framework. Data were gathered on 1) proportion of meals served relative to student population, 2) changes in meal service strategies/meal sites over time and space, and 3) U.S. Census block group-level demographic data for context. Data were analyzed through Geographic Information Systems (GIS) software to identify where meal service sites were located relative to areas of high need and vulnerability. Space-time analyses combining documented changes in meal site locations and spatial meal distribution patterns were used to reveal convergence/divergence between implementation strategies (delivery method/meal site location) and the needs of the community. Qualitative findings from district websites and other documentation were analyzed to contextualize findings and provide rich insights to guide future policy development.
			T-32 funds of PI	Family Dynamics, Preschool age, Child Movement, Maternal movement, household chaos	Survey shared publicly online	The goal of this study is to evaluate the relationship between household chaos and movement behaviors, and identify targets for both healthy households and child development. First, the participants will answer questions related to their current household and changes within their household from COVID-19 outbreak. Then the participant will answer questions their child's movement behaviors and how it has changed since the COVID-19 outbreak. Participants will also be asked about their own movement, changes in the movement since the COVID-19 outbreak, and demographic information.

Chaotic Households and FamlLy HeaLth during the COVID-19 Outbreak (CHILL-CO)

Chelsea L. Kracht, Pennington Biomedical Research Center;

Amanda Staiano, PBRC

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GusNIP Evaluation - Gus Schumacher Nutrition Incentive Grant Program	Amy Yaroch, Gretchen Swanson Center for Nutrition (GSCN)	Partners of the Nutrition Incentive Hub; https://www. nutritionincentivehub. org/about-hub		Nutrition Incentive Programs - SNAP (SI) incentive & Produce Prescription (PPR)	U.S 19 states and DC	This is a programmatic evaluation of country-wide federally-funded nutrition incentive progams, including SNAP incentive programs and produce prescription programs. As part of routine programmatic evaluation on participant outcomes focusing on fruit and vegetable intake, food security, and related factors, we have added 4 COVID-related questions to address the impact of COVID on outcomes of interest. Surveys will be administered, as able, from now and into 2021. Questions include: 1) The coronavirus or COVID-19 has made it hard for me and others in my household to make ends meet (Likert scale - Strongly Disagree to Strongly Agree), 2) The coronavirus or COVID-19 has made it hard for me and others in my household to buy fruits and vegetables (Likert scale - Strongly Disagree to Strongly Agree), 3) Have you or anyone you know been diagnosed with the coronavirus (COVID-19)? If so, who? Check all that apply (Options provided), 4) Since the coronavirus (COVID-19) outbreak have you or anyone in your household gotten free groceries from a food pantry, food bank, church, or other place that helps with free food? (Y/N)
Assessing the impact of COVID-19 on WIC families	Betsy Anderson Steeves, University of Tennessee			WIC program flexibilities		This is a programmatic evaluation of country-wide federally-funded nutrition incentive progams, including SNAP incentive programs and produce prescription programs. As part of routine programmatic evaluation on participant outcomes focusing on fruit and vegetable intake, food security, and related factors, we have added 4 COVID-related questions to address the impact of COVID on outcomes of interest. Surveys will be administered, as able, from now and into 2021. Questions include: 1) The coronavirus or COVID-19 has made it hard for me and others in my household to make ends meet (Likert scale - Strongly Disagree to Strongly Agree), 2) The coronavirus or COVID-19 has made it hard for me and others in my household to buy fruits and vegetables (Likert scale - Strongly Disagree to Strongly Agree), 3) Have you or anyone you know been diagnosed with the coronavirus (COVID-19)? If so, who? Check all that apply (Options provided), 4) Since the coronavirus (COVID-19) outbreak have you or anyone in your household gotten free groceries from a food pantry, food bank, church, or other place that helps with free food? (Y/N)
Understanding Coronavirus in America	Arie Kapteyn (University of Southern California Dornsife)	1		Food Insecurity, Unemployment, etc.	Panel of households at the University of Southern California (USC) of approximately 8,500 respondents representing the entire United States	The Understanding America Study (UAS) is a panel of households at the University of Southern California (USC) of approximately 8,500 respondents representing the entire United States. The study is an 'Internet Panel,' which means that respondents answer our surveys on a computer, tablet, or smart phone, wherever they are and whenever they wish to participate. Right now the USC Center for Economic and Social Research's Understanding Coronavirus in America tracking survey is following the attitudes and behaviors around the Novel Coronavirus pandemic in the United States.

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COVID-19-related economic strain and governmental response on food purchases, food insecurity and health among low-income North Carolinians	Shu Wen Ng (UNC-Chapel Hill)	Seth Berkowitz (UNC- Chapel Hill); Reinvestment Partners	Seeking funding	SNAP/ WIC/ TANF; Food purchases & nutritional profile of purchases (objectively measured); self reported food security, employment, assistance program participation, housing, utilities, mental & physical health	North Carolina; Frequent shoppers of a large grocery chain across NC; subsample of whom are on SNAP/WIC/TANF	1) To examine changes in purchases of unhealthy foods/beverages vs healthy foods/beverages among assistance program participants at a weekly level in the relation to COVID-related events; 2) To determine if the sequence of COVID-related events are associated with measurable and meaningful changes in: a) food purchases in the transaction data (also stratify and compare among different assistance program participants, their combinations & assistance program participants to non-participants) using event-study design, and b) food purchases, food insecurity and health outcomes for the survey subsample, with additional controls for household measures, using longitudinal survey analysis.
		Wendi Gosliner (UC		SNAP, School Meals, Food Security	California: Alameda County, Merced County, Los Angeles County	Interviewing 30 families with young children to capture the impacts of coronavirus disease 2019 (COVID-19) mitigation strategies shelter-in-place orders and school closures as well as safety net responses increased CalFresh benefits for some and changes in school meals on families' well being and food security. The study aims to capture knowledge, perceptions, and utilization of various
Effectsof COVID-19 Mitigation Strategies on Economically Disadvantaged Children and Families in California	Lia Fernald (UC Berkeley School of Public Health)	Nutrition Policy Institute), Rita Hamad (UC San Francisco)	Berkeley Population Center	CNAD famililes seting notto	r national	supports during the crisis and ways in which current and future policy response measures could better meet families' needs.
Exploring Food Choices and Eating Patterns During the COVID-19 Pandemic	Kate Burt (Lehman College, City University of New York)	Chris Cooper (Pace)	none	SNAP, famililes, eating patter Food Insecurity, Food Pantry usage, Coping Strategies		Brief survey to get a snapshot of how sheltering in place is effecting eating patterns
Impact of COVID-19 on food pantry customers	Katie Martin (Foodshare Institute for Hunger Research & Solutions)			Strategies for getting food to		Brief survey of households receiving food from new drive-through distribution to understand: 1) financial impact of COVID, 2) demographics of who we are serving, including whether they are new to our network, and 3) interest in additional services such as financial coaching
Feeding Kids During COVID-19: A Brief Survey for Organizations Serving Kids	No Kid Hungry Center for Best Practices			kids	meals to kids during the pandemic	We at No Kid Hungry's Center for Best Practices know you are working tirelessly to ensure that kids in your communities are getting the food they need during this difficult, unprecedented time. We are inspired by your efforts and want to support and learn from you. The more we understand about the realities of the current situation, the better positioned we are to help support you during this time and beyond. Would you answer 11 questions about the challenges you are facing, as well as your most successful strategies for getting food to kids during the coronavirus pandemic?

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WIC-Shopper: Leveraging Online Ordering Systems to Improve the WIC Shopping Experience	Lydia Ashton (UW-Madison)	No Kid Hungry		WIC Native agriculture	Online Ordering (Wiscor	[IMPORTANT: We have modified a hypothetical grocery store, which wasoriginally developed and designed by Prof. Ubel's research group, to be more customizable. This store is open source and could potentially be used a starting point for smaller/regional retailers.] We are using a hypothetical grocery store to test the effectiveness of the WIC labeling/stickers as well as an alternative strategy to facilitate costumer's experience identifying WIC-approve products. In other words, we will conduct an experimental test of the effect of WIC stickers, i.e. displaying the WIC logo for WIC approved products, and/or the effect of a "WIC Store", i.e. filtering WIC approved products to reduce choice overload.
Intertribal Agriculture Council Survey (Unofficial Title)	Intertribal Agriculture Council					Intertribal Agriculture Council (IAC) is the nation's largest and longest standing Native American agriculture and natural resources organization. Since 1987, IAC has been providing a unified effort to promote change in Indian agriculture for the benefit of Indian people. During these unprecedented times, while our country battles the COVID-19 pandemic, IAC seeks to gather information from our constituents to help us understand how the crisis has affected Indian country. Information gathered will be utilized to inform IAC's programmatic responses and the guidance we offer the USDA Office of Tribal Relations and our valued partners.

Is additional support needed? (Y/N)	If so, what and how? (i.e., co- authors, dissemination)	Link to more info	Finished Product or Results	Note
N		https://hungerandhealth. feedingamerica. org/resource/impact- coronavirus-food-insecurity/ https://covid19foodsurvey. com/. https://www.tc.columbia. edu/tisch/blog/news/how- school-districts-are-feeding- students-during-closures/	https://hungerandhealth.feedingamerica.org/wp-content/uploads/2020/03/Brief_Impact-of-Covid-on-Food-Insecurity-4.22.pdf https://utk.co1.qualtrics. com/reports/RC/public/dXRrLTVIODIYYTY 2NTRIYTM4MDAxNDE4ZWRkMC1VUI8xT	Survey is ongoing. Current results based on 9,000 responses received. Google doc still being updated.
Υ	Please forward this survey to your research participants between April 1-April 10	https://is.gd/covid_19research		

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open to partnering with others in other local areas; help in Bay Area distributing via CBOs serving low-income populations who need data to support their efforts

Is additional support needed? (Y/N)	If so, what and how? (i.e., co- authors, dissemination)	Link to more info	Finished Product or Results	Note
Y	FIG is eager to broadly deploy this method, but they currently do not have funding to offer compensation to sites for their participation; thus, they are hoping to partner with researchers or organizations with larger networks of districts/sites.	https://www.foodinsightgroup.com/covid19		
	Dissemination			
Y	Looking to funding for potential expansion of the survey, analysis and dissemination of results			
Υ	Anyone who has capacity to replicate this study in another state			

Is additional support needed? (Y/N)	If so, what and how? (i.e., co- authors, dissemination)	Link to more info	Finished Product or Results	Note
Υ	The initial surveys are funded (by Poverty Solutions) but we we are interested in additional support for further follow up data collection, as well as support with dissemination of results			
N, the survey is paid for already. Once the survey is finalized, it will be launched using Qualtrics services.	I'm open to partnering on analyses			

N https://osf.io/5v68w

not right now but looking to do a follow up panel and will likely go back to NSF

> https://news.uark. edu/articles/52746/researcher s-receive-185-000-nsf-grantto-study-impact-of-covid-19fear https://clf.jhsph. edu/projects/clf-and-foodsystems-response-covid-19

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Is additional support needed? (Y/N)	If so, what and how? (i.e., co- authors, dissemination)	Link to more info	Finished Product or Results	Note
N		https://www.uvm. edu/uvmnews/news/uvm- survey-how-coronavirus- affecting-food-system-food- insecurity	Brief 1: A General Overview of Coronavirus and Food Access and Security in Vermont: https://scholarworks. uvm.edu/cgi/viewcontent.cgi? article=1019&context=calsfac	

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Dissemination

www.pbrc.edu/chillco

Is additional support needed? (Y/N)	If so, what and how? (i.e., co- authors, dissemination)	Link to more info	Finished Product or Results	Note
N	N/A			

Preliminary results available. Final overview available soon.

https://uasdata.usc.edu/index.php

Is additional support needed? (Y/N)	If so, what and how? (i.e., co- authors, dissemination)	Link to more info	Finished Product or Results	Note
Y; Transaction data can be handled; seeking funding for subsample data collection & want to align instruments with others are using to allow for potential cross-state comparisons in future	Future and longer-term assessment of COVID impacts on nutrition, food secruity & heatlh outcomes			
	Dissemination	http://npi.ucanr.edu/? blogpost=41233&blogasset=1 13704		
Υ	Dissemination!	https://lime.lehman. edu/limesurvey/index. php/465261?lang=en		
Y	Funding for potential expansion of the study, including adding an intervention to provide follow-up support			

https://mailchi. mp/strength/covid_survey? e=5b03d870a7

Is additional support	If so, what and how? (i.e., co-	Link to more info	Finished Product or Results	Note
needed? (Y/N)	authors, dissemination)			

https://www.indianag. org/post/iac-seeks-to-gather-information? utm_source=IFAI+master&ut m_campaign=d012c03fb5-EMAIL_CAMPAIGN_2019_05 _06_02_23_COPY_01&utm_medium=email&utm_term=0_ 5ef7bb8408-d012c03fb5-405753573