

Center for the Advancement of Food Security and Healthy Communities

David Himmelgreen, Director

Website: [USF CAFSHC | College of Arts and Sciences | University of South Florida](#)

Reporting Period: 1/1/20-5/31/24

I. Grants & Contracts

- 1) 2024-25 Romero-Daza, N. (MPI) and **D. Himmelgreen (MPI)**, Health Buddies: A Food Prescription Program for Seniors, Feeding Tampa Bay with funding from Humana (\$50,000)
- 2) 2023-25 Himmelgreen, D.A. (PI), Homegrown Hillsborough Program Evaluation, Hillsborough County, FL. (\$153,399).
- 3) 2022-24 Himmelgreen, D.A. (PI), E. Roux (Co-P), and N. Romero-Daza (Co-PI), The 15th Street Farm Nutrition Education Program, United States Department of Agriculture, National Institute of Food and Agriculture (\$219,803).
- 4) 2022-23 Romero-Daza, N. (MPI) and **D. Himmelgreen (MPI)**, Feeding Tampa Bay's Food Pharmacy Program Study (Year 2) Funder: Humana Foundation (\$41,415).
- 5) 2022-23 Cramer, A., H. Yadav, **D. Himmelgreen**, and P.C. Camillo, Food Insecure Population's Decreased Microbiome Diversity and the Effect with Increased Inflammation, leakiness in Their Gut and Decreased Cognitive Function, University of South Florida Microbiome Institute (\$25,000).
- 6) 2021-22 Himmelgreen, D. (PI), Tampa Family Health Centers Urban Community Garden-Food Rx/Planning Project Evaluation (\$23,890).
- 7) 2021 Himmelgreen, D. (PI), Feeding America: Home Delivery Pilot Project, Funder: Feeding America (\$74,997).
- 8) 2021-23 Heuer, J. (PI) and **D. Himmelgreen (Co-PI)**, Dissertation Research: Exploring the Intersections of Community Integration and Dietary Quality on Health Outcomes among Post-911 Student Veterans, Funder: Feeding Tampa Bay (\$12,500).
- 9) 2020-22 Romero-Daza, N. (PI) and **D. Himmelgreen (Co-PI)**, Feeding Tampa Bay's Food Pharmacy Program Study, Funder: Humana Foundation (\$142,000).
- 10) 2020-23 Himmelgreen, D. (PI) and N. Romero-Daza (Co-PI), Impact of COVID-19 on the Management of Type 2 Diabetes Among Older Individuals: Food Insecurity, Decreased Physical Activity, and Social Isolation, Funder: USF (\$25,000).

- 11) 2020-21 Himmelgreen, D. (PI) & L. Kihlstrom (Co-PI), Food Insecurity Among Community College, Funder: Hillsborough Community College Foundation (\$8,183).

II. Publications & Technical Reports

- 1) 2024 Himmelgreen, D., N. Romero-Daza, W.A. Webb, J.N. Heuer, D. Gray, and G.R. Lehigh. Implementing a Food Prescription Program during COVID-19: Benefits and Barriers. *Healthcare*, [Healthcare | Free Full-Text | Implementing a Food Prescription Program during COVID-19: Benefits and Barriers \(mdpi.com\)](#)
- 2) 2024 Himmelgreen, D. D. Gray, and N. Kennady. Homegrown Hillsborough Year 1 Qualitative Evaluation, April 30, 2024.
- 3) 2023 Himmelgreen, D. 15th. Street Farm Nutrition Program Evaluation, Progress Report, USDA-NIFA
- 4) 2023 Brown, NI, A.W. Burris, R. Jones, **D. Himmelgreen**, A.D. Dumford, K. Conner, M. Stern, and R. Debate. Multi-Level Determinants of Food Insecurity among Racially and Ethnically Diverse College Student. *Nutrients*, 15, 4065, <https://doi.org/10.3390/nu15184065>
- 5) 2023 Mackie, J.F., H. Gray, **D. Himmelgreen**, J. Marshall, A. Alkon, and R. Kirby. Mixed-Method Assessment of Caregiver Feeding Practices in Early Care and Education Centres During COVID-19. *Public Health Nutrition*, 26, 1: 12-22
- 6) 2023 Fung Uy, W., R. lillpopp, D. Martinez Tyson, **D. Himmelgreen**, L. Wright, and H. Gray. Experiences of New Visitors with Low Food Security Seeking Food Assistance During The COVID-19 Pandemic. *J. of Nutrition Education and Behavior*, 55, 12: 884-893, <https://doi.org/10.1016/j.jneb.2023.10.009>
- 7) 2023 Hinds, K-A., N. Romero-Daza, D. Lytle, and **D. Himmelgreen**. Program Evaluation, Tampa Family Health Centers Urban Community Garden Food Rx Planning Project. Prepared for Tampa Family Health Centers.
- 8) 2023 Mackie, J.F., J. Marshall, A. Alkon, H. Gray, **D. Himmelgreen**, and R. Kirby. Mealtime Best Practices and Infection Control in Early Care and Educational Centres during COVID-19. *Child: Care, Health and Development*, 48, 6: 990-1000.
- 9) 2023 Schnauffer, T., and **D. Himmelgreen**. Global National Security Institute Decision Brief: Hunger as a Weapon. GNSI Decision Briefs. 2.
- 10) 2022 Himmelgreen, D., N. Romero Daza, J. Heuer, G. Lehigh., and W. Webb. Evara Health and Feeding Tampa Bay Food Prescription (RX) Pilot Program Report (2020-2021). Prepared for Feeding Tampa Bay and the Humana Foundation.
- 11) 2022 Mackie, J.F., J. Marshall, H. Grey, **D. Himmelgreen**, A. Alkon, and R. Kirby.

- “Just sit and eat.” Adult and Child Mealtime Responsibilities in Early Care and Education Centers During COVID-19 in Florida. *Ecology of Food and Nutrition*, <https://doi.org/10.1080/03670244.2022.2073352>.
- 12) 2022 Himmelgreen, D. and J. Heuer, How Food Banks Help Americans who have Trouble getting enough to Eat. In Writing as Form of Practice, *Practicing Anthropology*, 44, 1, 23-25.
 - 13) 2022 Mackie, JF, H. Gray, J. Marshall, **D. Himmelgreen**, A. Alkon, and R. Kirby. Mealtime Practices and Infection Control in Early Care Education Centers during COVID-19. *Childcare: Health and Development*, <https://doi.org/10.1111/cch.12979>.
 - 14) 2022 Mackie, JF, H. Gray, J. Marshall, **D. Himmelgreen**, A. Alkon, and R. Kirby. “I Wear a Mask. I Wear it All the Time. The Kids Don’t Wear Masks”: Early Childhood Education Mask-wearing during COVID-19 in Florida. *Health Promotion Practice*, <https://journals.sagepub.com/doi/full/10.1177/15248399221093972>.
 - 15) 2022 Haider, Z., Y. Hu, H. Charkgard, **D. Himmelgreen**, C. Kown. Creating Grocery Delivery Hubs for Food Deserts at Local Convenience Stores via Spatial and Temporal Consolidation. *Socioeconomic Planning Sciences*, 82, Part B, August 2022,101301.
 - 16) 2022 Himmelgreen, D., N. Romero-Daza, J. Heuer, W. Lucas, A.A. Salinas-Miranda, and T. Stoddard. Using Syndemic Theory to Understand Food Insecurity and Diet-Related Chronic Diseases, *Social Sciences and Medicine*, 295, February 2022,113124.
 - 17) 2022 Gray H. K. Gwaltney, S. Darnal, R. Tapales, T. Crocker, and **D. Himmelgreen**. Social Media Nutrition Education Integrated with a Home Food Delivery Assistance for Low-income Pregnant Women: A Pilot Study. *Society for Nutrition Education and Behavior*, 54, 7, Supplement, S1-S2, July 01, 2022.
 - 18) 2021 Himmelgreen, D. and J. Heuer, How Food Banks Help Americans who Have Trouble Getting Enough to Eat, *The Conversation*, February 2, <https://theconversation.com/how-food-banks-help-americans-who-have-trouble-getting-enough-to-eat-148150>.
 - 19) 2021 H. Eicher-Miller, **D. Himmelgreen**, D. Cuy Castellanos, K. Johnson, 18 million US Children are at Risk of Hunger: How is the Problem being Addressed and What more can be Done? *The Conversation*, January 11, <https://theconversation.com/18-million-us-children-are-at-risk-of-hunger-how-is-the-problem-being-addressed-and-what-more-can-be-done-151821>.
 - 20) 2021 Hinds, K.A., D. Gray, A. Pentilla, L. Kihlstrom, **D. Himmelgreen**. Home Delivery Playbook. Prepared for Feeding America National Organization.
 - 21) 2021 Himmelgreen, D. and M. Stern, Food Insecurity during the Time of COVID-19: Vulnerability, Health Conditions, and Taking Action. *Ecology of Food and Nutrition*, <https://doi.org/10.1080/03670244.2021.1977022>.
 - 22) 2021 DeBate, R., **D. Himmelgreen**, J. Gupton, and J.N. Huer. Food Insecurity, Well-being, and Academic Success among College Students: Implications for Post-COVID-19 Pandemic Programming. *Ecology of Food and Nutrition*, <https://doi.org/10.1080/03670244.2021.1954511>.
 - 23) 2021 Leigh, G., J. Heuer, N. Romero-Daza, **D. Himmelgreen**, Novel Program

Identifies Food Insecure Residents with help from USF Center for Advancement of Food Security & Healthy Communities, *The Hub, USF College of Arts & Sciences*, [Novel Program Identifies Food Insecure Residents with Help from USF Center for Advancement of Food Security & Healthy Communities](#)

- 24) 2021 Himmelgreen, D. and J. Heuer, How Food Banks Help Americans who Have Trouble Getting Enough to Eat, *The Conversation*, February 2, <https://theconversation.com/how-food-banks-help-americans-who-have-trouble-getting-enough-to-eat-148150>.
- 25) 2021 H. Eicher-Miller, **D. Himmelgreen**, D. Cuy Castellanos, K. Johnson, 18 million US Children are at Risk of Hunger: How is the Problem being Addressed and What more can be Done? *The Conversation*, January 11, <https://theconversation.com/18-million-us-children-are-at-risk-of-hunger-how-is-the-problem-being-addressed-and-what-more-can-be-done-151821>.
- 26) 2020 Grey H.L., J.H. Beruman, S.M. Lovett, **D. Himmelgreen**, D. Biswas, J. Bohn, C. Peacock, and A. W. Buro. A Mixed-methods Study to Understand Food Environments and Grocery Shopping Patterns of Community Residents in Underserved Neighborhoods in Tampa, Florida. *Ecology of Food and Nutrition*, <https://doi.org/10.1080/03670244.2020.1862098>.
- 27) 2020 Heuer, J.N., G.R. Lehigh, K. Diaz Serrano, N. Romero Daza, **D. Himmelgreen**. Food Access In the Time of COVID-19: Reflections on the United States Food System During the Pandemic, *Practicing Anthropology*, 42,4: 13-17 (**Editor-Reviewed**).
- 28) 2020 Burris, M., S. Bradley, K. Rykiel, & **D. Himmelgreen**. Teen Food Insecurity: Finding Solutions Through the Voices of Teens. *Human Organization*, 79,1: 13-23.
- 29) 2020 Burris, M., E. Miller, N. Romero-Daza, **D. Himmelgreen** (2020). Food insecurity and age of menarche in Tampa, Florida, *Ecology of Food and Nutrition*, <https://doi.org/10.1080/03670244.2020.1727464>

III. Presentations

- 1) 2024 Romero-Daza, N. **D. Himmelgreen**, K-A. Hinds, D. Gray, G. Lehigh, J. Heuer, and W. Webb, Food as Medicine: Addressing Food Insecurity and Diet Related Diseases in a Clinical Setting, Society for Applied Anthropology Meeting, Santa Fe, NM, March 26-30.
- 2) 2024 Himmelgreen, D. 15th Street Farm Nutrition Education Program, Juvenile Welfare Board of Pinellas County, May 10.
- 3) 2024 Himmelgreen, D. Center for the Advancement of Food Security and Healthy Communities, USF Osher Lifelong Learning Institute, Shared Interest Group: Food Glorious Food! (Invited Talk).
- 4) 2023 Himmelgreen, D. Fireside Chat with Peter Cloutier, Hunger as a Weapon, Global & National Security Institute, USF, May 24.
- 5) 2023 Himmelgreen, D. and E. Roux. 15th Street Farm Nutrition Education Program. Community Nutrition Project Directors Meeting, USDA/NIFA, New Orleans,

LA, Dec. 4-6.

- 6) 2023 Hinds, K.A., D. Gray, G. Lehigh, J. Heuer, W.A. Webb, N. Romero-Daza, and **D. Himmelgreen**. Using Food Prescription Programs to Decrease Food Insecurity in Tampa Bay. Annual Meeting of the Society for Applied Anthropology, Cincinnati, OH, March 28-April 2.
- 7) 2023 Himmelgreen, D. and N. Romero-Daza. Reducing Food Insecurity and Improving Health through a University-Food Bank Partnership, College of Health, Research Seminar, Oregon State University, Invited talk, October 13.
- 8) 2023 Himmelgreen, D. Center for the Advancement of Food Security and Healthy Communities, The Link between Food Insecurity and Poor Health, USF Osher Lifelong Learning Institute, Jan. 20.
- 9) 2023 Himmelgreen, D. The Center for the Advancement of Food Security & Healthy Communities, OSHER Lifelong Learning Institute, USF, SIG: "Food! Glorious Food," Jan 23.
- 10) 2022 Himmelgreen, D.A., B. Hansen, and E. Roux. Assessing the Tampa Bay Regional Food System: A Key Resilience Strategy for the RRAP. Presented to the Tampa Bay Regional Planning Council, November 14.
- 11) 2022 Himmelgreen, D., Food Insecurity and Hunger. College Majors Exposition (Invited Panelist)
- 12) 2022 Himmelgreen, D. Food Insecurity and Health: Using Syndemic Theory in Research and Programming. Feeding Tampa Bay, Board of Directors (Invited Talk).
- 13) 2022 Himmelgreen, D., N. Romero-Daza, J.N. Heuer, W.A. Webb, G. Lehigh, and D. Gray, It Takes a Village to Make Food as Medicine Programs Work: A Case Study of a University-Food Bank-Health Food Prescription Program, Annual Meeting of the American Anthropological Association, Seattle, WA, November 9-13.
- 14) 2021 Himmelgreen, D. Food Insecurity, Diet Related Chronic Diseases, and Microbiomes. Presented at the USF Microbiome Virtual Corporate Forum Series, USF College of Medicine (Invited Talk).
- 15) 2021 J. N. Heuer, W. A. Webb, G. Lehigh, N. Romero-Daza, **D. Himmelgreen**. Ameliorating Food Insecurity During COVID-19: A Case Study of a Food Prescription Program, Annual Meeting of the American Anthropological Association, Virtual, November 17-21.

IV. Media Coverage/Articles

- 1) [15th Street Farm cultivates community health through innovative Nutrition Education Program \(CAS Chronicles\)](#)

- 2) **COPH Activist Lab Lunch and Learn: Food Insecurity** (COPH Activist Lab Lunch and Learn)
- 3) **Futurum Issue 22 - Urban Farming for Urban Families p. 58-63.** (Ashton, J., Aslett, J., & Wilkinson, K. (2023, September). Urban Farming for Urban Families. *Futurum*, (22), 58-63. <https://futurumcareers.com/Issue-22.pdf>) *This article was produced by Futurum Careers, a free online resource and magazine aimed at encouraging 14-19-year-olds worldwide to pursue careers in science, tech, engineering, maths, medicine (STEM) and social sciences, humanities and the arts for people and the economy (SHAPE). For more information, teaching resources, and course and career guides, see www.futurumcareers.com*
- 4) **USF researchers inform decisions for Homegrown Hillsborough food system program** (USF News)
- 5) GNSI Speaker Series with Thomas Mantz, CEO of Feeding Tampa Bay. Interviewed by David Himmelgreen, Director, USF Center for Advancement of Food Security & Healthy Communities. [GNSI Speaker Series with Thomas Mantz, CEO of Feeding Tampa Bay \(youtube.com\)](https://www.youtube.com/watch?v=...)
- 6) **Studying Humans and Hunger with Dr. Himmelgreen of the University of South Florida** (Feeding Tampa Bay)
- 7) **Why Feeding Tampa Bay Dropped Its Backpack Program** (Food Bank News)
- 8) Food is Medicine: A seismic shift in how Tampa Bay leaders feed people: Food is medicine concept taking off in Tampa Bay, November 9, 2022, [Food is Medicine: A seismic shift in how Tampa Bay leaders feed people \(abcactionnews.com\)](https://www.abcactionnews.com/...).
- 9) Physicians, Anthropologists, and Marine Biologists Start at the Soil in Launch of Program to Address Nature's Impact on Human Health, USF News, January 26, 2022, <https://www.usf.edu/news/2022/interdisciplinary-team-launches-metropolitan-food-program.aspx>
- 10) Leigh, G., J. Heuer, N. Romero-Daza, **D. Himmelgreen**, Novel Program Identifies Food Insecure Residents with help from USF Center for Advancement of Food Security & Healthy Communities, *The Hub, USF College of Arts & Sciences*, [Novel Program Identifies Food Insecure Residents with Help from USF Center for Advancement of Food Security & Healthy Communities](https://www.usf.edu/news/2022/novel-program-identifies-food-insecure-residents-with-help-from-usf-center-for-advancement-of-food-security-and-healthy-communities.aspx)

V. Student Training/Mentoring (2020-2023)

25 students since 2020 (18 in paid positions (72%))

Laura Kihlstrom, Ph.D. student, Research Assistant (RA)

Deven Gray, Ph.D. student, RA

Kris-An Hinds, Ph.D. student, RA

Attee Penttila, Ph.D. student, RA

Gabrielle Lehigh, Ph.D. student, RA
Alex Webb, Ph.D. student, RA
Kavya Basupalla, MBA, Intern
Jacquelyn Heuer, Ph.D. student, RA
Karen Diaz Serrano, Ph.D. student, RA
Sarah Bradley, Ph.D. student, RA
Funmi Odemuso, MA student, RA
Alexandra Whitacre, MA student, RA
Monise Harris, MPH student, RA
Glenda Vaillant Cruz, MA student, RA
Nicole Kenady, MA student, RA
Alexa Serino, medical school student, RA
Gisselle Palaca, medical school student, RA
Anna Broich, MA student, Graduate Assistant
Anneliese Long, undergraduate student, RA
Anastasia Mccoy, undergraduate, Intern
Marcela Munoz Marin, undergraduate Intern
Steven Long, undergraduate, Intern
Alexandra Davis, undergraduate, Federal Work Study Program
Milan Chuganey, undergraduate, Federal Work Study Program
Rosa Veramendi, undergraduate, Federal Work Study Program

VI. CAFSCH Activities and Events

- 1) Panel Discussion on Food Insecurity among College Student February 2022, Virtual
- 2) Black food Matters: Contextualizations of Race, Place, and Resistance in Food Movements, February 28, 2020, CWY, USF Tampa Campus
- 3) Growing A Stronger Economy through Local Food Entrepreneurship, March 6, 2020, Marshall Center, USF Tampa Campus
- 4) Racial Wealth Gap Simulation with Florence French, April 17, 2020, Virtual

VII. CASFSHC Other Deliverables

- 1) <https://selfmgmt.thinkific.com/courses/diabetes-self-management> Diabetes Self Management Course (2022), designed as part of the COVID-19 grant. The course was created and delivered in the Thinkific platform. Participants had access to reading materials, videos, and infographics that provide knowledge on various aspects of the disease. The online course includes six modules in the following order: Learning about Diabetes, Knowing the ABCs of Diabetes, Eating Healthy, Being Active, Getting Through the Tough Times, Building a Routine to Stay Healthy. The topics were chosen to align with the required topic areas in Standard 6 of the 2017 National Standards for Diabetes Self-Management Education and Support. All content was sourced from reputable and update to date sources, including the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Centers for Disease Control and Prevention (CDC), American Diabetes Association (ADA), and Association of Diabetes Care and Education Specialists (ADCES)