

FRANCESCO ACCIAI

College of Health Solutions • Arizona State University • facciai@asu.edu

SKILLS

Advanced STATA programming	Data Visualization
Longitudinal Analyses	Multilevel Analyses
Multiple Imputations	Demographic Techniques
Propensity Score	Time Series Analyses
Growth Curve Models	Survey Data Analyses
Grant Writing	Survey Methodology

WORK EXPERIENCE

Sep 2019 – Current	Research Scholar, Arizona State University
Sep 2017 – Aug 2019	Postdoctoral Research Associate, Arizona State University
Sep 2016 – Aug 2017	Postdoctoral Research Associate, The Pennsylvania State University
Aug 2011 – Aug 2016	Research Assistant, The Pennsylvania State University
Jan 2008 – Dec 2010	Data Analyst, Statistics Bureau – City Hall of Florence, Italy

EDUCATION

Ph.D. Sociology and Demography, The Pennsylvania State University
Dissertation: *Socioeconomic status and health in middle and late life: A new look at an old issue.*
Quantitative Method Certificate, The Pennsylvania State University

M.S. Demography (Summa Cum Laude), University of Florence, Italy

B.S. Statistics, University of Florence, Italy

PEER-REVIEWED PUBLICATIONS

2020 Ohri-Vachaspati P, **Acciai F**, Lloyd K, Tulloch D, DeWeese R, DeLia D, Todd M, Yedidia M. Evidence that changes in community food environments lead to changes in children's weight: Results from a longitudinal prospective cohort study. *Journal of the Academy of Nutrition and Dietetics*. 2020 Dec 10.

2020 **Acciai F**, Yellow Horse A, Ohri-Vachaspati P. Individual, family, and community level variables do not explain the protective effect of foreign-born parents on changes in 3-15-year-old children's BMI. *Social Science & Medicine – Population Health*. 2020 Aug 22:100652.

2020 Eliason J, **Acciai F**, DeWeese R, Vega-López S, Ohri-Vachaspati P. Children's consumption patterns and their parent's perception of a healthy diet. *Nutrients*. 2020 Aug 3;12(8):E2322.

2020 Martinelli S, **Acciai F**, Au LE, Yedidia M, Ohri-Vachaspati P. Parental Perception of and Student Participation in School Meals: Before and After the Healthy Hunger-Free Kids Act. *Journal of Nutrition Education and Behavior*. 2020;S1499-4046(20)30417-6.

- 2020 Steeves S, **Acciai F**, DeWeese R, Tasevska N, Ohri-Vachaspati P. The Special Supplemental Nutrition Program for Infants, Women and Children (WIC) Spillover Effect: Do Siblings Reap the Benefits? *Journal of the Academy of Nutrition and Dietetics*. 2020 Aug;120(8):1288-1294.
- 2020 Dighe S, Lloyd K, **Acciai F**, Martinelli S, Yedidia M, Ohri-Vachaspati P. Association between Children's Weight Status and Comprehensive Measures of their School's Food and Physical Activity Environment. *Preventive Medicine Reports*. 2020 Sept;19:101115.
- 2020 Ohri-Vachaspati P, **Acciai F**, DeLia D. Parent-Measured and Parent-Estimated Child's Heights and Weights—Reply. *JAMA Pediatrics*. 2020 Feb 1;174(2):206.
- 2019 **Acciai F**, Firebaugh G. Twin consequences of rising U.S. death rates among young adults: Lower life expectancy and greater lifespan variability. *Preventive Medicine*. 2019;127:105793.
- 2019 **Acciai F**, Yedidia MJ, DeWeese RS, Martinelli S, Ohri-Vachaspati P. School Food and Physical Activity Environment: A Longitudinal Analysis of Four School Districts in New Jersey. *Journal of Adolescent Health*. 2019;65:216-223.
- 2019 Ohri-Vachaspati P, **Acciai F**, DeLia D, Lloyd K, Yedidia M. Parent-measured and parent-estimated heights and weights are equally accurate in determining children's weight status. *JAMA Pediatrics*. 2019;173(8):793-795.
- 2019 Ohri-Vachaspati P, DeWeese RS, **Acciai F**, DeLia D, Tulloch D, Tong D, Lorts C, Yedidia M. Healthy Food Access in Low-Income High-Minority Communities: A Longitudinal Assessment—2009–2017. *International Journal of Environmental Research and Public Health*. 2019 Jan;16(13):2354.
- 2018 **Acciai F**. The age pattern of social inequalities in health at older ages: are common measures of socio-economic status interchangeable? *Public Health*. 2018 Apr 1;157:135-41.
- 2017 **Acciai F**, Firebaugh G. Why did life expectancy decline in the United States in 2015? A gender-specific analysis. *Social Science & Medicine*. 2017 Oct 1;190:174-80.
- 2017 **Acciai F**, Hardy M. Depression in later life: A closer look at the gender gap. *Social science research*. 2017 Nov 1;68:163-75.
- 2016 Firebaugh G, **Acciai F**. For blacks in America, the gap in neighborhood poverty has declined faster than segregation. *Proceedings of the National Academy of Sciences*. 2016 Nov 22;113(47):13372-7.
- 2016 Noah A, **Acciai F**, Firebaugh G. Understanding the contribution of suicide to life expectancy in South Korea. *Demographic Research*. 2016 Sep 2;35:617-44.
- 2016 Vignoli D, Tanturri ML, **Acciai F**. Home bitter home? Gender, living arrangements, and the exclusion from homeownership among older Europeans. *Genus*. 2016 Dec;72(1):9.
- 2015 **Acciai F**, Noah AJ, Firebaugh G. Pinpointing the sources of the Asian mortality advantage in the USA. *Journal of Epidemiology and Community Health*. 2015 Oct 1;69(10):1006-11.
- 2014 Firebaugh G, **Acciai F**, Noah AJ, Prather C, Nau C. Why the racial gap in life expectancy is declining in the United States. *Demographic Research*. 2014 Oct 30;31:975.
- 2014 Firebaugh G, **Acciai F**, Noah AJ, Prather C, Nau C. Why lifespans are more variable among blacks than among whites in the United States. *Demography*. 2014 Dec 1;51(6):2025-45.
- 2014 Hardy MA, **Acciai F**, Reyes AM. How health conditions translate into self-ratings: a comparative study of older adults across Europe. *Journal of Health and Social Behavior*. 2014 Sep;55(3):320-41.

MANUSCRIPTS UNDER REVIEW

Acciai F, Srinivasan M, Ohri-Vachaspati P. Sugar-Sweetened Beverage Consumption among 0-19-year-old Children and the Interplay between Household SNAP and WIC Participation.

Ohri-Vachaspati P, **Acciai F**, DeWeese R. SNAP participation among low-income, food insecure households in the US before and after COVID-19.

Yellow Horse A, **Acciai F**, Huyser K. Sources of life expectancy inequity for the American Indian and Alaskan Native Population during the last decade

Martinelli S, **Acciai F**, Tasevska N, Ohri-Vachaspati P. Objective and self-reported measures of fruit and vegetable consumption in elementary school children.

MANUSCRIPTS IN PROGRESS

School food environment: Do parent perceptions match the reality?

Active commuting to school among children and adolescents: A longitudinal analysis

The relationship between changes in the physical environment and changes in physical activity among children: A prospective cohort study.

The Psychological Distance of COVID-19 and its Relationship to Collective Action Behaviors

ONGOING RESEARCH SUPPORT

2020/24 The Impact of Covid-19 Related School Closures on Children's Weight Status. National Institutes of Health (NICHD-R01). Role: Co-I.

2020/21 Food security and food access in Arizona: What has changed since the coronavirus outbreak? College of Health Solutions, Arizona State University. Role: PI.

2017/21 Examining Obesity Declines among School Children: The Role of Changes in the Food and Physical Activity Environments. National Institutes of Health (NHLBI-R01). Role: Postdoctoral Fellow / Research Staff.

RECENTLY COMPLETED RESEARCH SUPPORT

2012/19 Impact of Environmental Changes on Children's BMI and Behaviors: A Panel Study. National Institutes of Health (NICHD-R01). Role: Postdoctoral Fellow / Research Staff.

2015/17 Improving Accuracy of Classifying Child Weight Status in Population-Based Studies. National Institutes of Health (NICHD-R03). Role: Postdoctoral Fellow / Research Staff.

2016/17 Mortality Effects of the Great Recession (NICHD-R03). Role: Postdoctoral Fellow / Research Staff.

FELLOWSHIPS AND AWARDS

2019 **Causal Course on Behavioral Obesity Research**, Indiana University (\$850)

2018 **James G Zimmer New Investigator Award**, APHA (Finalist)

2018 **Outstanding Contribution in Reviewing**, Social Science & Medicine

2018	EPIC Scholarship – Propensity Score Matching , Columbia University (\$200)
2014/15	Quantitative Social Science Initiative Assistantship , Penn State University (\$12,000)
2013/14	Graduate Scholar Award , Penn State University (\$3,000)
2011/13	Demography Scholar Award , Penn State University (\$5,000 per year)
2009	Erasmus Program Scholarship , University of Florence (€2,000 plus tuition for a semester as an exchange student at The Sorbonne University in Paris, France)

TEACHING

2021	HCD 300: Biostatistics – Instructor, Arizona State University
2019	NTR 527: Policies, Environment & Obesity – Guest Lecturer, Arizona State University
2018	OBS 501: Obesity Prevention and Management – Guest Lecturer, Arizona State University
2015	SOC 574: Statistical Methods for Social Research – TA, Penn State University
2015	SOC 596: Statistical Methods for Social Research (Stata Lab) – Penn State University
2015	SOC 497B: Medical Sociology – Guest Lecturer, Penn State University

STUDENTS MENTORED (Statistical Methods and Stata Programming)

2020-	Nick Oleinik – Arizona State University
2019-	Sarah Martinelli – Arizona State University
2019-20	Clinton Stevens – Arizona State University
2018-19	Jessica Eliason – Arizona State University
2017-19	Stephanie Steeves – Arizona State University

PEER-REVIEWED CONFERENCE ABSTRACTS AND PRESENTATIONS

APHA 2020	Ohri-Vachaspati P, Acciai F , Lloyd K, Tulloch D, DeWeese R, DeLia D, Todd M, Yedidia M. Changes in Food Environments Over Time Lead to Changes in Children’s BMI. <i>Oral Presentation</i>
APHA 2020	Stevens C, Acciai F , Ohri-Vachaspati P. Does proximity to WIC-authorized stores improve child consumption behaviors or obesity risk in the surrounding community? <i>Oral Presentation</i>
APHA 2020	DeWeese R, Acciai F , Ohri-Vachaspati P. Active commuting to school among children and adolescents: A longitudinal analysis. <i>Oral Presentation</i>
TOS 2019	Acciai F , Ohri-Vachaspati P. Is parental nativity a social determinant of child BMI? A longitudinal analysis of four urban communities in New Jersey. <i>Poster Presentation</i>
ISBNPA 2019	Ohri-Vachaspati P, Steeves S, Dachenhaus E, Acciai F , Gruner J, DeWeese R, Tasevska N. Can Spillover effects of nutrition assistance programs be amplified? <i>Oral Presentation</i>
ASN 2019	Eliason J, DeWeese R, Vega-López S, Acciai F , Ohri-Vachaspati P. How well do parents assess their children’s diet? <i>Oral Presentation</i>

- APHA 2018 **Acciai F**, Haas S. Trajectories of Self-Rated Health by Education: The Role of Attrition and Birth Cohort. *Oral Presentation*
- APHA 2018 **Acciai F**, Martinelli S, DeWeese R, Yedidia M, Ohri-Vachaspati P. Measuring changes in food and physical activity environment in schools over time: Developing reliable measures. *Oral Presentation*
- APHA 2018 Lloyd K, Dighe S, Ohri-Vachaspati P, Yedidia M, **Acciai F**, Martinelli S. Association between Children's Weight Status and Aspects of their School's Food Environment. American Public Health Association Annual Meeting. San Diego, CA. November 2018. *Oral Presentation*
- ASN 2018 Steeves S, **Acciai F**, Tasevska N, DeWeese R, Ohri-Vachaspati P. WIC spillover effect: Do siblings reap the benefits? *Oral Presentation*
- PAA 2017 **Acciai F**. Socioeconomic differential in trajectories of chronic conditions in middle and late life: A test of the cumulative advantage hypothesis. *Oral Presentation*
- PAA 2016 **Acciai F**. The problem of sample selection bias: A comparison of four different correction methods in the study of changes in health. *Poster Presentation*
- ISS 2015 **Acciai F**, Firebaugh G. Disaggregating Lorenz Curves and the Gini Index to Locate the Sources of Change in Neighborhood Segregation and Inequality. *Oral Presentation* (ISS = *Italian Statistical Society*).
- ASA 2015 **Acciai F**, Noah AJ, Firebaugh G. Pinpointing the Sources of the Asian Mortality Advantage in the United States. *Oral Presentation*
- PAA 2015 Firebaugh G, **Acciai F**. Mortality effects of the great recession in high-income nations. *Oral Presentation*
- ASA 2014 **Acciai F**, Hardy M. Absolute versus relative deprivation: An analysis of poverty among older Europeans. *Oral Presentation*
- PAA 2014 **Acciai F**, Hardy M. Depression in later life: A closer look at the gender gap. *Oral Presentation*
- ASA 2013 Hardy M, Reyes A, **Acciai F**. Education and health in later life: A comparative study of 11 European countries. *Oral Presentation*
- PAA 2013 Hardy M, **Acciai F**, Reyes A. How health conditions translate into self-ratings: A comparative study of older adults across Europe. *Oral Presentation*

PROFESSIONAL SERVICE

- Ongoing Reviewer for *American J. of Public Health, Preventive Medicine, Social Science & Medicine, Demography, International J. of Public Health, J. of Adolescent Health, Demographic Research, Social Science Research, Biodemography and Social Biology; SSM Population Health, European J. of Ageing.*
- 2021 Panel Discussant. *COVID-19 and Food Systems Event*. University of Arizona
- 2020 *APHA 2020* Abstract Reviewer for session *Aging & Public Health*
- 2019 Panel Discussant. *Research Day 2019*. College of Health Solutions, Arizona State University
- 2018 *PAA 2018* Session Organizer and Session Chair (*Neighborhood Processes in Health*)

- 2014/16 Demography Methods Workshop Committee, Penn State University
2013/16 Graduate Student Concern Committee, Penn State University

BRIEFS PUBLISHED

COVID-19 and Food Security in Arizona Study (<https://asufoodpolicy.org/foodsecurity>)

- 2020 **Acciai F**, Yellow Horse AJ, Martinelli S, Josephson A, Ohri-Vachaspati P. Impacts of coronavirus on food security in Arizona. College of Health Solutions, Arizona State University.
- 2020 Martinelli S, **Acciai F**, Yellow Horse AJ, Josephson A, Ohri-Vachaspati P. Food assistance program participation among Arizona residents during the COVID-19 Pandemic. College of Health Solutions, Arizona State University.
- 2020 Driesen F, **Acciai F**, Josephson A, Yellow Horse AJ, Martinelli S, Ohri-Vachaspati P. Job Disruptions During the First Four Months of the COVID-19 Pandemic and Their Impact on Food Security in Arizona". College of Health Solutions, Arizona State University.

National Food Access and COVID research Team (NFACT) (<https://www.nfactresearch.org>)

- 2020 **Acciai F**, Belarmino EH, Josephson A, Niles M. COVID-19 related Changes in Employment and Food Security. College of Health Solutions, ASU, October 2020
- 2020 Ohri-Vachaspati P, **Acciai F**, Martinelli S, Harper K, Bertmann F, Belarmino EH, Neff R, Niles M. Food Assistance Program Participation among US Households during COVID-19 Pandemic. College of Health Solutions, Arizona State University.
- 2020 Harper K, **Acciai F**, Josephson A, Ohri-Vachaspati P, Bertmann F, Belarmino EH, Niles M, Neff R. Experiences of households with new and persistent food insecurity during COVID-19. Center for a Livable Future, Johns Hopkins University.

New Jersey Child Health Study (<http://www.cshp.rutgers.edu/content/childhood-obesity>)

- 2018 Yedidia M, **Acciai F**, Lloyd K, Ohri-Vachaspati P. The Prevalence of Childhood Obesity among School Children. Camden, 2008 and 2015.
- 2018 Yedidia M, **Acciai F**, Lloyd K, Ohri-Vachaspati P. The Prevalence of Childhood Obesity among School Children. Newark, 2008 and 2015.
- 2018 Yedidia M, **Acciai F**, Lloyd K, Ohri-Vachaspati P. The Prevalence of Childhood Obesity among School Children. New Brunswick, 2008 and 2015.
- 2018 Yedidia M, **Acciai F**, Lloyd K, Ohri-Vachaspati P. The Prevalence of Childhood Obesity among School Children. Trenton, 2008 and 2015.

OTHER PUBLICATIONS

National Food Access and COVID research Team (NFACT) (<https://www.nfactresearch.org>)

- 2020 Niles MT, Belarmino EH, Bertmann F, Biehl E, **Acciai F**, Josephson AL, Ohri-Vachaspati P, Neff R. Food insecurity during COVID-19: A multi-state research collaborative. medRxiv. 2020 Jan 1. <https://doi.org/10.1101/2020.12.01.20242024>

Publicly Available Survey Instruments

- 2020 Niles MT, Neff R, Biehl E, Bertmann F, Belarmino E, **Acciai F**, Ohri-Vachaspati P. "Food Access and Food Security During COVID-19 Survey - Version 2.1." Harvard Dataverse, V2.
<https://doi.org/10.7910/DVN/4KY9XZ/AB5UDV>

Articles published on *MedicalResearch.com* (online blog of Epidemiology and Public Health)

- 2017 **Acciai F**. 2015 marked first decline in life expectancy in over 20 years.
- 2015 **Acciai F**, Noah AJ, and Firebaugh G. Why do Asian Americans live so much longer than other ethnic groups?

Book reviews published in *Contemporary Sociology*

- 2015 Fat Blame – How the war on obesity victimizes women and children. Vol. 44(5):744-745.
- 2015 Daughters and Granddaughters of Farmworkers: Emerging from the Long Shadow of Farm Labor. Vol. 44(4):581-582.
- 2013 Muslim diaspora in the West: Negotiating gender, home, and belonging. Vol. 42(3):453.
- 2013 Getting used to the quiet: Immigrant adolescents' journey to belonging in New Brunswick, Canada. Vol. 42(2):301-302.
- 2013 Brazilian Immigration and the Quest for Identity. Vol. 42(2):293-294.

MEDIA

Consulting (Conducted ad hoc data analysis)

- 2018 National Geographic: [Lifetime of Inequality](#)

Interviews

- 2021 ASU Now: [COVID-19 and Food Insecurity in Arizona](#)
- 2020 Buzzfeed: [US Life Expectancy Has Finally Stopped Declining](#)

PROFESSIONAL AFFILIATIONS

- American Public Health Association (APHA)
- National Food Access and COVID Research Team (NFACT)
- Population Association of America (PAA)
- Population Research Institute (PRI), Penn State University

PROFESSIONAL REFERENCES

PUNAM OHRI-VACHASPATI

Title: Professor of Nutrition

Affiliation: The Arizona State University

Relationship: Supervisor; Coauthor

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GLENN FIREBAUGH

Title: Roy C. Buck Professor Emeritus of American Institutions, Sociology, and Demography

Affiliation: The Pennsylvania State University

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MICHAEL YEDIDIA

Title: Senior Research Professor at the Center for State Health Policy

Affiliation: Rutgers University

Relationship: Supervisor; Coauthor

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ROBIN DEWEESE

Title: Assistant Research Professor

Affiliation: The Arizona State University

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