

**Tammy C. Leonard**

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**EDUCATION**

2009 University of Texas at Dallas, Department of Economics  
Ph.D. Economics  
Dissertation Title: Neighborhood Public Goods—Provision and Impact

2007 University of Texas at Dallas, Department of Economics  
M.S. Economics

2001 Texas A&M University, College Station, Texas  
B.S. Chemical Engineering, Magna Cum Laude

**EMPLOYMENT AND EXPERIENCE****Employment**

2016-Present The University of Dallas  
Associate Professor of Economics  
(2014-2016) Affiliate Assistant Professor of Economics

2012-Present The University of Texas Southwestern Medical School  
Adjunct Assistant Professor of Clinical Sciences

2009-2014 University of Texas at Dallas, Economics Program, Richardson, TX  
(2012-2014) Senior Lecturer and Associate Department Head  
(2009-2012) Research Assistant Professor

Fall 2011 Scholar in Residence, Federal Reserve Bank of Dallas  
Community Development Division

2008-2009 FDIC, Division of Insurance and Research, Dallas, TX  
Research Assistant, Intern

2006–2008 University of Texas at Dallas, Richardson, TX  
Research Assistant

2000-2004 BP, Texas City, TX  
Optimization Engineer

2001-2002 Mount Carmel High School, Benque Viejo, Belize, C.A.  
High School Faculty

1999 Intern, Dow Chemical Company Research and Development, Freeport, TX

**Classes Taught**

- Applied Macroeconomics, Graduate
- Econometrics, Graduate and Undergraduate
- Advanced Econometrics, Undergraduate
- Experimental Economics, Undergraduate
- Intermediate Microeconomics, Undergraduate
- Statistical Methods, Undergraduate
- Mathematical Economics, Undergraduate
- Industrial Organization, Undergraduate

## RESEARCH

### Peer-Reviewed Publications

**Leonard, T.**, Jha, N., Zhang, L. (In Press). Neighborhood Price Externalities of Foreclosure Rehabilitation: An Examination of the Neighborhood Stabilization Program. *Empirical Economics*.

**Leonard, T.**, Hughes, A.E., Pruitt, S.L. (In Press). Understanding how low-socioeconomic status households cope with health shocks: An analysis of multi-sector linked data. *The Annals of the American Academy of Political and Social Science*.

De Oliveira A, **Leonard T.**, Shuval K, Sugg-Skinner C, Eckel C, Murdoch JC. (In Press). Economic Preferences and Obesity among a Low-Income African American Community. *Journal of Economic Behavior & Organization*.

**Leonard, T.** 2016. Housing Upkeep and Public Good Provision in Residential Neighborhoods. *Housing Policy Debate*. 1-21.

**Leonard, T.**, Powell-Wiley, T.M., Ayers, C. Murdoch, J.C., Yin, Wenyuan, Pruitt, S.L. 2016. Property Values as a Measure of Neighborhoods— An Application of Hedonic Price Theory. *Epidemiology*. 27(4): 518-524

Pruitt SL, **Leonard T**, Xuan L, Amory R, Nguyen OK, Pezzia C, Swales S. 2016. Who is food insecure? Implications for targeted recruitment and outreach. *Preventing Chronic Disease*. 13(160103).

Zhang L, **Leonard T**, Murdoch JC. 2016. Time and Distance Heterogeneity in the Neighborhood Spillover Effects of Foreclosed Properties. *Housing Studies*. 31(2): 133-148.

Higashi, R.T., Lee, S.J.C., **Leonard, T.**, Cuate, E.L., Cole, J., Pruitt, S.L. (2015). Multiple comorbidities and interest in research participation among clients of a nonprofit food distribution site. *Clinical and Translational Science*. 8(5): 584-590.

Berrigan, D., A. Hipp, P.M. Hurvitz, P. James, M. Jankowska, J. Kerr, F. Laden, **T. Leonard**, R. McKinnon, T.M. Powell-Wiley, E. Tarlov, S.N. Zenk. (2015). Geospatial and Contextual Approaches to Energy Balance and Health. *Annals of GIS*. 21(2): 157-168.

**Leonard, T.**, L. Zhang, C. Hoehner. 2015. Variations in Park Facility Valuations across Neighborhoods. *Applied Spatial Analysis and Policy*. 8(1): 45-67.

Shuval, Kerem, **T. Leonard**, B.T. Nguyen, T.H. Ngo, A. L. Yaroch. 2015. Behavioral Economics and Fruit and Vegetable Intake: The Fair Park Study. *Health Behavior & Policy Review*. 2(2): 92-99.

Powell-Wiley, T., R. Cooper-McCann, C. Ayers, D. Berrigan, M. Lian, M. McClurkin, R. Ballard-Barbash, S. Das, C. Hoehner, **T. Leonard**. 2015. Change in Neighborhood

Socioeconomic Status and Weight Gain: Dallas Heart Study. *American Journal of Preventive Medicine*. 49(1): 72-79.

Shuval, K., Si, X, Nguyen, B., **Leonard, T.** 2015. Utilizing Behavioral Economics to Understand Adherence to Physical Activity Guidelines among a Low-Income Urban Community. *Journal of Physical Activity and Health* 12: 947-953.

Pruitt, S.L., **Leonard, T.**, Murdoch, J., Hughes, A., McQueen, A., Gupta, S. 2014. Neighborhood effects in a behavioral randomized controlled trial. *Health and Place*. 30:293-300.

Zhang, L., **T. Leonard.** 2014. Neighborhood Impact of Foreclosure: A Quantile Regression Approach. *Journal of Regional Science and Urban Economics*. 48, 133-143.

**Leonard, T.**, C. McKillop, J. Carson, K. Shuval. 2014. Neighborhood Effects on Food Consumption. *Journal of Behavioral and Experimental Economics*. 51, 99-113

**Leonard, T.**, Di, Wenhua. 2014. Is Household Wealth Sustainable? An Examination of Asset Poverty Reentry After an Exit. *Journal of Family and Economic Issues*. 35:2, 131-144.

Powell-Wiley, T.M., C. Ayers, P. Agyemang, **T. Leonard**, D. Berrigan, R.B. Barbash, M.Lian, S.R. Das, Hoehner, C.M. 2014. Neighborhood-Level Socioeconomic Deprivation Predicts Weight Gain in a Multi-Ethnic Population: Longitudinal Data from the Dallas Heart Study. *Preventive Medicine*. 66:22-27.

Pruitt, S.L., **Leonard, T.**, Zhang, S., Schootman, M., Halm, E.A., Gupta, S. 2014. Physicians, Clinics, and Neighborhoods: Multiple Levels of Influence on Colorectal Cancer Screening. *Cancer Epidemiology Biomarkers and Prevention*. 23(7): 1346-1355.

Caughy, Margaret O., **Leonard, T.**, Beron, K., Murdoch, J. 2013. Defining Neighborhood Boundaries in Studies of Spatial Dependence in Child Behavior Problems. *International Journal of Health Geographics*. 12:24. <http://www.ij-healthgeographics.com/content/12/1/24>.

**Leonard, T.** 2013. The Impact of Housing Market Conditions on Residential Property Upkeep. *Housing Studies*. 28:1, 33-56.

Shuval, K., Hebert, E., Siddiqi, Z., **Leonard, T.**, Craddock, S., Tiro, J., McAllister, K, Skinner, C.S. 2013. Impediments and Facilitators to Physical Activity and Perceptions of Sedentary Behavior among Urban Community Residents: The Fair Park Study. *Preventing Chronic Disease*. 10.

Shuval, K., Gabriel, K., **Leonard, T.** 2013. TV Viewing and BMI by Race/Ethnicity and Socio-Economic Status. *PLoS ONE* 8(5): e63579. doi:10.1371/journal.pone.0063579

**Leonard, T.**, K. Shuval, A. De Oliveira, C. Skinner, C. Eckel, J. Murdoch. 2013. Health Behavior and Behavioral Economics: Economic Preferences and Physical Activity Stages of Change in a Low-Income African American Community. *American Journal Of Health Promotion*, 27:4, 211-221.

Shuval, K., **Leonard, T.**, Skinner, C., Caughy, M., Kohl, H., Murdoch, J. 2013. Sedentary Behaviors And Obesity Among A Low Income, Ethnic Minority Population. *Journal of Physical Activity and Health*. 10:1, 132-136.

**Leonard T.**, Caughy M.O., Mays K., Murdoch J.C. 2011. Systematic neighborhood observations at high spatial resolution: Methodology and assessment of potential benefits. *PLoS ONE* 6(6): e20225. doi:10.1371/journal.pone.0020225.

**Leonard, T.**, R. Croson and A. deOliveira. 2010. Social Capital and Public Goods. *Journal of Socio-Economics*. 39: 474-481.

**Leonard, T.**, J.C. Murdoch. 2009. The neighborhood effects of foreclosure. *Journal of Geographical Systems* 11.4 (2009): 317-332.

### **Book Chapters and other articles**

**Leonard, T.**, K. Shuval. Behavioral Economic Tools for Promotion of Physical Activity. In *Behavioral Economics and Health Behaviors—Key Concepts and Current Research*. Edited by Hannoeh, Y., T. Rice, and A. Barnes. Routledge – Abingdon, United Kingdom. (In Press)

Di, Wenhua, **T. Leonard**, E. Ryder. Pathway to Financial Advancement: A Case Study. 2012. *Banking and Community Perspectives*. 2012(2).

### **Papers Under Review**

Who are the food insecure? Implications for targeted recruitment and outreach. (with Sandi Pruitt and Richard Amory)

Vaccination as an Impure Public Good: HPV Vaccine Uptake in an Underinsured Population (with Caitlin McKillop, Sandi Pruitt, and Jasmine Tiro)

The Association between Noncognitive Factors, Neighborhood Crime and Health Status in a Low-Income Minority Population (with Caitlin McKillop)

Do Neighborhoods Matter Differently for Movers and Non-Movers?: Analysis of Weight Gain in the Longitudinal Dallas Heart Study (with Tiffany Powell-Wiley, Ian Neeland, Sandeep Das and Colby Ayers)

Foreclosed and Sold: An Examination of Community and Property Characteristics Related to the Sale of REO Properties (with Lei Zhang)

### **Working Papers**

A Test for Geographic Peer Effects in Educational Outcomes: The Role of Observed Neighborhood Condition (with Nikhil Jha and James Murdoch)

Peer effects in Behavioral Randomized Controlled Trials (with James Murdoch, Amy Speer, Samir Gupta, and Sandi L. Pruitt)

Persistence Of High School Peer Associations: The Impact Of Adolescent Friendship On Deviant Behavior (with Caitlin McKillop)

Investigating the Substitution between Public and Private Nutrition Assistance Program (with Xia Si)

Estimation of intervention effects in the presence of spatially correlated externalities: An examination of the Neighborhood Stabilization Project (with Lei Zhang and Nikhil Jha)

An investigation of neighborhood characteristics valued in housing markets and their relationship to health (with Sandi Pruitt, Tiffany Powell-Wiley, and Colby Ayers)

Dynamics of Household Food Insecurity (with Michael Dinh, Sandi Pruitt, and David Andrews)

Housing Mobility, Neighborhood Dynamics and Food Insecurity (with Sandi Pruitt, Amy Hughes, and David Andrews)

### **Conference Presentations & Published Abstracts**

2008.

- American Real Estate and Urban Economics Association Mid-Year Meeting. “The Neighborhood Effects of Foreclosure”

2009.

- Southern Regional Science Association. “The Neighborhood Effects of Foreclosure”
- Southern Economic Association. “Home Appreciation, Default Risk and Neighborhood Upkeep”
- Southern Economic Association. “Social Capital and Public Goods”

2011

- Active Living Research. Poster Presentation: “Economic Impact of Built Environment Amenities for Child Physical Activity”
- North American Regional Science Conference. “Variation in Park Amenity Valuations across Neighborhoods Preliminary Work”

2012

- North American Regional Science Conference. “Variation in Park Amenity Valuations across Neighborhoods”

2013

- North American Regional Science Conference. “Public Good Provision in Residential Neighborhoods”

2014

- North American Regional Science Conference. “Heterogeneous Impacts of the US Financial Crisis on Household Finances.” And “Neighborhood Effects in a Behavioral RCT”.

2015

- Intent vs Impact, Evaluating Individual- and Community-Based Programs, Dallas Federal Reserve Bank. “Neighborhood Price Externalities of Foreclosure Rehabilitation”.

2016

- Geospatial Approaches to Cancer Control and Population Sciences, National Institutes of Health. “Do Neighborhoods Matter Differently for Movers and Non-Movers?”

## **Invited Presentations**

2011

- MacArthur Foundation How Housing Matters Research Network. “Dallas Neighborhoods and Housing Markets”

2012

- Sisterbration Regional Obesity Summit. “Evaluating Built Environment Amenities from an Economic Perspective”
- Corporation for Enterprise Development (CFED) Assets Learning Conference. “Is Household Wealth Sustainable? An Examination of Asset Poverty Reentry after an Exit
- Federal Reserve Bank of Dallas Policy Forum. Moderator: Neighbors, Community and Well-being—Evidence from a Local Neighborhood

2013

- American Cancer Society. “Geographic and Social Influences on Health Behaviors—Evidence and Significance for Randomized Controlled Trials

2014

- Tarrant County United Way. “Financial Decision Making and Behavioral Change”
- Tarrant County United Way. “Rethinking Financial Decisions”
- Tarrant County Homeless Coalition. “Financial Decision Making”

2015

- CitySquare Leadership Meeting. “Neighborhoods and Behavior Choices”
- Together at the Table: Hunger and Poverty Summit, Baylor University. “Community Assistance Research”.
- Hungry for Change Summit, Fort Worth, TX. “Financial Decision Making and Behavioral Change”

2016

- Economics Seminar Series at North Dakota State University. “An Appraisal-based Measure of Neighborhood Condition—An examination of bias and potential utility”

## **Grants**

Feeding America (10/1/2016-12/31/2017)

*Ranking the Association between Food Insecurity and Indicators of Population Health: Exploring Heterogeneity by Counties and States*

We will examine rank correlations between the Robert Wood Johnson County Health Indicators and Feeding America’s Meal Gap statistics in order to better assess health correlates of food insecurity.

Role: Co-PI

Robert Wood Johnson Foundation (4/1/2016-9/1/2019)

*A Multisector Solution to Build a Culture of Health among Food Insecure Populations in Dallas County*

We will evaluate health, economic, and program participation effects of a new de-centralized model of charitable food delivery using spatial difference-in-difference analysis treating program implementation as a natural experiment.

Role: Co-PI

Community Based Research Pilot Awards (7/1/2013-6/31/2015)

*The Fair Park Cancer Prevention Pilot Study: A Community-Academic Partnership*

We will invest in further development of the North Texas Food Bank Longitudinal Client database and assess the validity of neighborhood measures developed from the database.

Role: Co-PI

Dallas Women's Foundation (4/1/2013-8/1/2017)

*Evaluation of Economic Security Initiative Grants for 18-34 and 55+ Cohorts*

Evaluation for Dallas Women's Foundation economic security grants.

Role: PI

UTSW Institutional CTSA Award (U54) (06/01/2012-05/31/2013)

I serve as geo-spatial consultant for the community engagement key function. My role is to provide spatial analysis and spatial data expertise for the development and conduct of research projects.

Role: Consultant

North Texas Food Bank OSP ID 110977 (7/1/2011 – 7/31/2012)

Assist NTFB in developing a regional research center (the Hunger Center) to better understand food insecurity and the behaviors of low-income families. In addition the project will design and implement a targeted research study to focus on understanding food acquisition.

Role: PI

RWJ Grant #68501 (01/15/2011 – 01/15/2013)

*Economic Evaluation of Built Environment Amenities for Youth Physical Activity*

Conduct quantile hedonic price estimation of built environment features that encourage child physical activity and the moderating role of the transportation network on the hedonic price.

Role: PI

NSF/SBE 0943449 (09/01/2009-08/2011)

*The Impact of Stimulus Spending on Energy Efficiency in a Low Income Dallas Neighborhood: Implications for Science Policy*

The goal of this project was to measure changes in household energy consumption behavior as a result of weatherization

Role: Project Field Manager

NSF/SES-0827350 (10/2008-10/2011)

*Publicly Driven Investment, Neighborhood Change, and Household Behavior*

The goal of this project is to analyze the impact of public housing and transportation investment on child development and academic achievement.

Role: Project Manager

## **PROFESSIONAL ACTIVITIES**

### **Service**

Crossroads Community Services, Board of Directors, 2014-Current

### **Journal Reviewer**

Journal of Economic Behavior and Organization  
Journal of Socio-Economics  
Urban Affairs  
Housing Studies  
American Journal of Public Health  
Sociological Perspectives  
Public Finance Review  
Journal of Urban Affairs  
Housing Policy Debate  
Empirical Economics

### **Grant Reviewer**

National Science Foundation

### **Academic Honors**

School of Economic Political and Policy Sciences Outstanding Teacher Award, 2014  
Provost's Award for Faculty Excellence in Undergraduate Research Mentoring, 2014 Nominee  
NSF Sponsored Young Researcher at the Nobel Laureates Meeting in Lindau Germany, 2008  
National Association of Business Economists Seminar Scholarship, 2008.  
National Merit Scholarship, 1997-2001  
Texas A&M President's Endowed Scholar, 1997-2001  
Chemical Engineering Department Outstanding Student Award, 2001  
Undergraduate Independent Research Top Paper Award, 2001  
American Institute of Chemical Engineers Regional Paper Award, 2001  
Chemical Engineering Department Scholarship Award, 2000-2001  
American Institute of Chemical Engineers National Scholar Award, 2000-2001  
Dow Outstanding Chemical Engineering Junior Award, 1999